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# Literature for U.S. Aquaculture, 1970-82

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of Agriculture  
Number 28

October 1983



U.S. DEPT. OF AGRICULTURE  
NATIONAL AGRICULTURAL LIBRARY





LITERATURE FOR UNITED STATES  
AQUACULTURE: 1970 - 1982

by

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and

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## FOREWORD

Although fish farming is a relatively new endeavor in the West, it has been a sophisticated practice for almost 3,000 years in China. On a worldwide basis, the domestication of fish and shellfish is rapidly becoming an important method of food production. China, the world's largest aquaculture producer, depends on aquaculture for about 25 percent of its fish supply, while the worldwide average is 10 percent.

Defined properly, aquaculture goes far beyond fish farming. It is the controlled cultivation of animals and plants, including finfish, crustaceans, mollusks, and seaweeds. In the United States it consists primarily of production of fish for human consumption; but it also includes bait, ornamental fish, and stock for commercial and sport fisheries.

Consumer demand for aquaculture products and seafood is growing. Congress recognized the potential of U.S. aquaculture when it passed the National Aquaculture Act of 1980. This act calls for, among other things, the establishment and implementation of a national aquaculture development plan with appropriate participation by the public and private sectors. Some of the elements deemed essential to such a plan are:

- Awareness of species having significant potential for commercial cultivation.
- Technologies, problems, and opportunities associated with aquaculture development.
- Analyses of social, environmental, and economic impacts of aquaculture growth.
- Actions to be taken by the Federal Government to help solve aquaculture problems and enhance aquaculture development in the United States.

Among the information functions of national aquaculture activities are those to:

- Assess the adequacy of the information sources and data bases, whether for public or limited access use.
- Coordinate or assist in the compilation of specialized information tools when needed, such as directories, research-in-progress files, or data systems.
- Coordinate the bibliographic compilation of aquaculture citations and provide all feasible access to the published literature and other information sources.

The renewal of the 1980 act was before Congress in July of 1983 as the Aquaculture Improvement Act of 1983 (HR 2676).

This bibliography was prepared in support of U.S. Department of Agriculture efforts to implement the National Aquaculture Act of 1980 (P.L. 96-362) and the Agriculture and Food Act of 1981 (P.L. 97-98).

This bibliography is intended for users in the United States and therefore emphasizes those aquacultural topics of interest to U.S. researchers and others engaged in aquacultural pursuits. The sources of the information contained in the bibliography are the AGRICOLA data base produced by the National Agricultural Library (NAL) and the AQUACULTURE data file produced by the Virginia Institute of Marine Sciences (VIMS) with funding from the National Oceanic and Atmospheric Administration (NOAA). Both of these literature citation files are described in this publication. Foreign literature is included when it appears in either data base.

### Acknowledgments

The cooperation of Carol Rideout (Virginia Institute of Marine Sciences) and Robert Freeman (National Oceanic and Atmospheric Administration) in providing access to the AQUACULTURE data file is acknowledged. The original search strategy was developed and implemented by Charles Bebee, Information Systems Division, NAL. Valuable advice in modifying the scope of the resulting search was provided by Bryan Duncan of Auburn University, Alabama. Category codes and relevance of citations to the scope were determined by John B. Forbes and Charles Bebee of the National Agricultural Library, and Joan Lippincott of the Mann Library, Cornell University. Programs to revise and edit the search data were written and run by Edward A. Warnick, Information Systems Division, NAL. Citation and page design, as well as computer programming for the setting of the camera-ready copy, assignment of item numbers, and preparation of the personal author index were accomplished through a contract with CORDATUM, Inc. John B. Forbes was responsible for overall direction, planning, and coordination of the project.

Comments on the content, format, and usefulness of the bibliography should be sent to: National Agricultural Library, Field & Special Programs Division (F&SP), Room 300, NAL Bldg., Beltsville, Maryland 20705.

WALLACE C. OLSEN  
Chief, F&SP Division

October 1983

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## SCOPE AND ARRANGEMENT OF THIS BIBLIOGRAPHY

This bibliography was compiled by searching the full AGRICOLA files, 1970 through 1982, and a printout and tape were developed. In a similar manner the AQUACULTURE citation data base compiled by the Virginia Institute of Marine Sciences was searched. Citations were then placed into subject groups, edited, and augmented. Each file uses different abbreviations and terms, which were not altered.

The bibliographic citations are grouped under twelve topics. Within each topical section the citations are arranged thus: (1) by year of publication, with the most recent literature coming first; and (2) within each year, alphabetized by title. Foreign citations are filed by the English translated title.

SAMPLES	0536	1982
	Applications of endocrinology to fish culture (Hormones, induced breeding, larval rearing). Lam, T.J. Canadian journal of fisheries and aquatic sciences = Journal canadien des sciences halieutiques et aquatiques; v. 39, (1), p. 111-137. ill. Jan 1982. (Ottawa: Govt. of Canada, Fisheries and Oceans.) NAL Call No.: 442.9 C16J Literature review. (Includes 7 p. ref.)	
From AGRICOLA:		
	0537	1982
	CHINA UTILIZING 3 MILLION HECTARES FOR FISH BREEDING. WICKRAMANAYAKE, D. AQUACULTURE MAGAZINE 8 (5), 13-15. Aquaculture Data Base No.: 9798	
From AQUACULTURE:		

The index consists of personal names only, which are indexed in the form in which they were entered in the citation data base. Editors, compilers, joint authors, and the like are included if a data base entry was made for them. In general, terms such as "ed.", "comp.", and similar ones have been removed from the index. Depending on the indexing practices of the data bases, an author's given name may or may not have been reduced to initials, so both versions will appear in the index.

SAMPLE:	ZSILINSZKY, SANDOR.	2570
	ZUBER, S.	1943, 2160, 2161
	ZUBOY, J.R.	2126
	ZUR, O.	364, 1144, 1528, 1529, 1949
	ZWEIG, R.	2049, 2219
	ZWEIG, R.D.	1981

## Topical Outline of Subjects

Aquaculture is defined in this bibliography as the exploitation of a natural or artificial body of water for the growth of food products such as fish, mollusks, and seaweed. Emphasis is on culture.

### Section 1: General Aquaculture

- articles too general to be classified in any other section
- history of aquaculture
- surveys of the aquaculture of a country
- (Fish farming literature is in Section 7, Production and Management Systems, as is literature limited to algae culture or the culture of individual fish species)

### Section 2: Biology and Behavior

- as individuals or groups
- when interacting with other species (as in polyculture systems)

### Section 3: Breeding and Genetics

- to improve aquacultural species
- selection, screening, mutagenesis
- monosex progeny and induction
- gene-environment relations
- most hatchery activities

### Section 4: Diseases, Parasites, Pests

- identification, diagnosis, epidemiology, pathogenesis, and control
- host-parasite and host-pathogen relations
- weeds and weed control
- competitors

### Section 5: Ecology and Environment

- requirements for optimum growth or production
- effect of pollutants
- pollution generated by aquacultural species
- oxygen maintenance

### Section 6: Feeding and Nutrition

- practices, nutrition, nutrient requirements
- feed formulations and new feeds

### Section 7: Production and Management Systems

- fish farming
- culture of individual species
- new production systems
- systems, procedures, equipment, facilities
- production efficiency
- cage, trough, tank, or pond culture



- Section 8: Harvesting and Handling  
systems, procedures, equipment, facilities  
new system development  
quality maintenance
- Section 9: Processing and Product Development  
systems, procedures, equipment, facilities  
quality maintenance  
consumer acceptance
- Section 10: Product Quality, Nutritive Value and Consumption  
flavor, aroma, texture, and color  
consumer acceptance
- Section 11: Marketing and Economics  
aquaculture system economics  
costs, returns, prices, profits, risk, labor, and  
employment  
market structure and potential markets
- Section 12: Taxonomy and Introduction of New Species  
Introduction for production feasibility  
analyses of selections and mutants for testing

#### Subjects and Materials Not Included

Algae without reference to economic potential  
Aquatic weed control when the application is not defined  
Biology of aquatic organisms without reference to their culture  
Capture fishery  
Management of sports fish after the fingerling stage  
Recreational use of farm fishponds  
Watershed management  
Wildlife management

In addition, some literature or types of materials are omitted from both source data bases at the time of initial compilation, based on selection criteria used by the AGRICOLA and AQUACULTURE data bases.

## AVAILABILITY OF DOCUMENTS

Many of the publications listed in this bibliography are available from technical, land-grant and local public libraries. Users should attempt to obtain documents from State or regional sources first. However, the NAL call numbers are given for all material owned by the National Agricultural Library, and AQUACULTURE data base numbers for documents serviced by the AQUACULTURE data base.

### From the National Agricultural Library

Those items with NAL call number indications can be obtained from NAL; however, users must try local resources first. Periodicals are not lent, but photocopies of any single article may be ordered at \$3.00 for the first 10 pages or fraction thereof, and \$2.00 for each succeeding 10 pages. (Prices are subject to change.) Money should NOT be sent since a bill will be mailed later. Items with correct NAL call number noted will be expedited. Individuals may request service directly, preferably on USDA Form LF-607, Request for Photocopy Service. For information on document service or orders, send to:

Utilization Section, Room 101  
National Agricultural Library  
Beltsville, Maryland 20705

USDA employees should see the USDA Regional Document Delivery section on pages 15-16.

### For AQUACULTURE Data Base Citations

Creators of the file provide document service on items showing an AQUACULTURE data base number, subject to provisions of the copyright. Charges are 50 cents per article for microfiche and 10 cents per page for photocopies. Ask for copies of articles by their AQUACULTURE data base number for expeditious handling.

Send orders to: AQUACULTURE Data Base  
Virginia Institute of Marine Sciences  
Gloucester Point, Virginia 23062

For further information contact Carol Rideout at VIMS (804-642-2111).

## ABSTRACTING AND INDEXING AIDS INCLUDING ONLINE CITATION FILES

Thousands of citations to the literature on various aspects of marine and freshwater fisheries and aquaculture are available in printed and computerized formats covering the last 5 years. The following are listed because they contain extensive holdings concerning aquaculture. Several related files also exist, but they are generally more specialized in their coverage. This is a very selective list.

### Bibliographic Sources

AGRICOLA (Agricultural Online Access). From 1970 to the present, 1.6 million citations, monthly updates, online with three utility vendors (prepared by the National Agricultural Library).

This massive file provides comprehensive coverage of worldwide literature in journals, books, reports, and translations collected by NAL, including a wide selection of those on aquaculture and a select list on fisheries. New category codes for aquaculture were introduced in 1981 allowing for greater specificity of subjects. Very little material concerned with brackish or marine organisms is indexed. About 3,000 citations included in this bibliography are from the AGRICOLA data base. Species names are included in the index record when the publication cites them. Of particular value to this bibliography is the literature from the State Cooperative Extension Services. The major portion of the file is published monthly in the Bibliography of Agriculture, by Oryx Press, 2214 North Central at Encanto, Phoenix, Ariz. 85004.

AQUACULTURE. From 1970 to the present, 10,000 citations, monthly updates, online with Dialog Information Retrieval Services as File 112 (prepared by Virginia Institute of Marine Sciences under sponsorship of the National Oceanic and Atmospheric Administration). Available online since 1980, this file includes abstracts with many of the entries. Sources include journals, books, reports, theses, conference proceedings, newsletters, and English translations of foreign papers, but the best coverage is that of organizations within NOAA and institutions in the National Sea Grant Program. It provides coverage on the growing of marine, brackish, and freshwater organisms, including disease, economics engineering, food and nutrition, and legal aspects. The file is particularly valuable for short articles and news items. Approximately 100 items are added monthly. Since January 1983, it has been cosponsored by the National Agricultural Library. It is available only as an online data base.

AQUATIC SCIENCES AND FISHERIES ABSTRACTS. The online file (ASFA) covers from 1978 to the present, 100,000 citations, monthly updates, online with Dialog Information Retrieval Services as File 44 (prepared by Cambridge Scientific Abstracts since 1982 under the sponsorship of the Aquatic Sciences and Fisheries Information Service of the Food and Agriculture Organization).



This comprehensive data base concentrates on life sciences of the seas and inland waters as well as related political, legal, and social topics. Valuable for its extensive coverage of European, British Commonwealth, and U.S. scientific literature on fisheries, oceanography, and water pollution. Since 1978 published in two sections:

1: Biological Sciences and Living Resources

2: Ocean Technology, Policy and Non-Living Resources.

Both the online and printed records have abstracts.

### Current Research Information System (CRIS)

This research-in-progress file is a project documentation and reporting system for agricultural and forestry research conducted by the USDA research agencies, State land-grant institutions, State forestry schools, and other cooperating State institutions. The file contains project summaries of this research, names of investigators, a recent progress report, and a list of the latest resulting publications. CRIS is online as File 60 of the DIALOG Information Retrieval Service. The recently published Aquaculture Research: A Directory of USDA and State Projects in CRIS (USDA Miscellaneous Publication 1432, January 1983, 357 pp.) was produced from this file. The directory lists research project descriptions categorized in the same manner as this bibliography, and should be used in connection with it.

### Other Sources

Numerous other closely related or highly specialized printed or online files exist. The reader is referred to the following sources for additional information and some evaluation of the bibliographic aids.

GUIDE TO SOURCES FOR AGRICULTURAL AND BIOLOGICAL RESEARCH, edited by J. Richard Blanchard and Lois Farrell. Berkeley, University of California Press, 1981. 735 pages. Contains a 7-page section entitled Commercial Fishing and Fisheries (entries D735-D824) with an introductory narrative, and subsections headed Abstracts and Indexes, Bibliographies and Library Catalogs, Dictionaries and Encyclopedias, Directories, Lists of Fishes, Periodical Lists, and Statistics. The reader is referred to this volume for details on all of these specific types of publications. Aquaculture is not strongly represented in the book, however.

AQUATIC SCIENCES SEARCH COVERAGE, by Ann M. Juneau. Pages 91-106. In Online '81 Conference Proceedings. Dallas, Texas, Online, Inc., November 1981. A discussion and evaluation of three data base files with emphasis on the marine sciences and fisheries.

FISHERIES AND AQUACULTURE INFORMATION: THE STATE OF THE ART by Deborah Turnbull. Pages 231-239, In Proceedings of the Vith World Congress of the International Association of Agricultural Librarians and Documentalists: Agricultural Information to Hasten Development. Los Banos, Philippines, 1981. Largely a description of the Aquatic Sciences and Fisheries Information System (ASFIS) and other FAO activities.

#### USING ONLINE CITATION FILES TO KEEP CURRENT

Online bibliographic systems offer a systematic routine which allows for the registration of individual subjects of interest which can then be automatically matched against new bibliographic tapes whenever they appear, usually monthly. The subject of registration or search strategy may be stored in a computer and need not be reconstituted each time a new monthly search is made and a list of citations printed. The end result is a monthly list of new literature which is mailed to the person getting the service. This provides current awareness of the newly published literature with very little effort after the subject profile is established.

The alerting method is known as selective dissemination of information (SDI), but has other names as well, such as Current Awareness Literature Service (CALs) which is operated by the National Agricultural Library for USDA researchers.

Bibliographic current awareness is available from many land-grant and academic libraries on a fee for service basis. Anyone wishing to establish this routine as a method of continuous updating of the bibliography should contact a major library close at hand. The service may also be obtained directly from the three major bibliographic utilities which have the AGRICOLA file online and which update it monthly. Only the DIALOG service, however, has the AQUACULTURE and ASFA data bases. Those three commercial vendors are:

DIALOG INFORMATION SERVICES, INC.  
3460 Hillview Ave.  
Palo Alto, California 94304  
(415) 858-3785

BIBLIOGRAPHIC RETRIEVAL SERVICE  
1200 Route 7  
Latham, New York 12110  
(518) 783-1161

SYSTEM DEVELOPMENT CORPORATION  
SDC Search Service  
2500 Colorado Ave.  
Santa Monica, California 90406  
(213) 829-7511

### AQUACULTURE Data Base Service

The Virginia Institute of Marine Sciences (VIMS) will provide current awareness or other searches of its data base file for interested aquaculturalists. There is a \$5.00 service charge, plus the online time charge and a citation printing charge. Searches of the AQUACULTURE file produce custom bibliographies on the subjects requested. This service is considered by VIMS to be of greatest value to those without terminals or easy access to research libraries, and for the use of less developed countries. Anyone interested should apply to:

Carol Rideout, Information Specialist  
AQUACULTURE Data Base  
Virginia Institute of Marine Sciences  
Gloucester Point, Virginia 23062  
(804) 642-2111

### Current Awareness Literature Service (CALIS) for USDA Employees

This current literature updating system is utilized by 3,000 USDA scientists and researchers. The system allows for establishing a subject profile which can be used to extract appropriate citations from several data bases. Those used by the National Agricultural Library for this service are: Biological Abstracts, BioResearch Index, Chemical Abstracts, AGRICOLA, World Textile Abstracts, Government Reports Announcements from NTIS, TELEGEN, and the full Commonwealth Agricultural Bureaux (CAB) file. All are searched for routine updating in an off-line batch mode.

USDA employees are qualified to use CALS as an adjunct to their research efforts. They should work through their field libraries or the network service centers of their agencies. Direct inquiries to:

Information Systems Division  
Fifth Floor  
National Agricultural Library  
Beltsville, Maryland 20705  
(301) 344-3813



## SUMMARIES AND REFERENCE TOOLS

The following publications are good summaries or reference tools with information of value to U. S. aquaculture. They are all valuable for locating information, data, organizations, or contacts.

THE AMERICAN FISHERIES DIRECTORY AND REFERENCE BOOK, published by National Fisherman, 21 Elm Street, Camden, Maine 04934. Second edition, 1981. 760 pages.

This is the most up-to-date and complete guide to marine, brackish, and freshwater fisheries work, and is a remarkably broad and well-produced volume. The following sections are included:

- I. Directory of Equipment Manufacturers, Distributors, and Dealers.  
Twelve chapters covering fishing gear to food packing. 248 pages.
- II. Directory of Services.  
Twelve chapters covering boatbuilding to trade shows, including a directory of education. 74 pages.
- III. Directory of Brokers, Buyers, Exporters and Importers, Processors and Wholesalers of Seafood and Fish Products.  
Thirteen chapters. 210 pages.
- IV. Books and Periodicals.  
Two chapters of in-print books, and mostly marine periodicals. Good basic list of materials for the commercial fisheries industry. 12 pages.
- V. Geographic Fishery Regions.  
Seven chapters on major portions of the United States, plus a chapter on lakes and rivers. Organizations and contacts are given for Federal offices which relate to fisheries and aquaculture, as well as State offices, some State organizations, and statistics on State production. 167 pages.
- VI. National Directory.  
Chapter 1 covers 12 U.S. Federal Departments plus 18 U.S. commissions, institutions, academies, authorities, offices, or foundations. Chapter 2 deals with committees of the U.S. Congress and 44 laws. 18 pages.
- VII. Organizations.  
Includes a chapter on coastal commissions, and a second chapter on associations ranging from aquacultural through trade associations. 6 pages.
- VIII. International Directory.  
Includes chapters on international fisheries commissions, the United Nations, and selected fishing nations (with contacts and data). 6 pages.

The final section of the work is an advertisers' index. An appendix provides national and international statistics on fisheries.

AMERICAN FISHERIES SOCIETY MEMBERSHIP DIRECTORY AND HANDBOOK, American Fisheries Society, 5410 Grosvenor Lane, Bethesda, Md. 20814. 1982 edition, 75 pages. (NAL Call No. SH1.A5)

Alphabetical list of the 1,100 personal members plus corporate and associate members. Includes information of concern to society members such as a code of practice, executive committee, standing committees and members, officers, and State or chapter offices. Largest professional society in the United States in this field, 112 years old.

AQUACULTURE AUDIO-VISUAL FILMS CATALOG. American Fisheries Society in conjunction with U.S. Fish and Wildlife Service, 5410 Grosvenor Lane, Bethesda, Md. 20814. 12 pages. \$2.00.

This catalog contains detailed information on about 93 films, videotapes, and slide/tape presentations on aquaculture. Subjects covered range from algae to nearly all cultured fin fishes, shellfishes, plankton, sea ranching, and crustacea. For each film, information is provided on title, species, film or video format, length, source, year, rental price, and a synopsis of the subject matter.

CATFISH PROCESSORS REPORT, Monthly summary of pounds processed, prices paid, and imports. Contact: Paul Hurt, Statistical Reporting Service (202) 447-2123.

DIRECTORY OF AQUACULTURE INFORMATION RESOURCES. National Agricultural Library, through a contract with Aspen Systems Corp. Beltsville, Md., December 1982. 53 pp. (Bibliographies and Literature of Agriculture No. 25). Available from NTIS, U.S. Department of Commerce, 5285 Port Royal Road, Springfield, Va. 22151, as PB833176388 at a cost of \$10 for paper and \$4.50 for microfiche.

This compilation was made in response to questionnaires sent to 680 organizations and was subsequently narrowed down to 85 significant libraries and information centers with special collections of aquaculture information for whom providing information is a major function. These organizations honor mail and telephone requests, and users are not required to visit the organization or agency to obtain information. Organizations limiting services to areas smaller than a State and those whose costs for services or membership were considered unduly restrictive or prohibitive were not listed. Each entry is accompanied by a full description of the organization and the services available.

FISH HATCHERY MANAGEMENT. Piper, Robert G., and others, U.S. Department of the Interior, Fish and Wildlife Service, Washington, D.C. 1982. 517 pages. Out-of-Print.

Designed to be a practical guide to efficient hatchery management for practicing fish culturists. The emphasis is on practicing fish culturists. "Research and hatchery biologists, bioengineers, and microbiologists will not find the in-depth treatment of their fields that they might expect from a technical publication. For example, we



offer a guide that will help a hatchery manager to avoid serious disease problems or to recognize them if they occur, but not a detailed description of all fish diseases, their causative agents, treatment, and control." Contains extensive appendices and bibliographies, a glossary, and an index.

MAJOR AQUACULTURE ASSOCIATIONS, EDUCATION AND RESEARCH RESOURCES IN THE UNITED STATES. National Agricultural Library, in conjunction with Department of Fisheries and Allied Aquacultures, Auburn University, Auburn, Alabama. Beltsville, Md., April 1983. 174 pp. (Bibliographies and Literature of Agriculture No. 26). Available from NTIS, U.S. Department of Commerce, 5285 Port Royal Road, Springfield, Va. 22151, as PB83226407 at a cost of \$17.50 for paper and \$4.50 for microfiche.

## SELECTED PRIMARY PERIODICALS

This very limited group of journals and periodicals includes the most active titles used by practitioners and researchers in the United States. Not included are the numerous newsletters issued by associations, State offices, and institutions in the National Sea Grant Program, as well as those which are primarily news or commercial periodicals.

AQUACULTURAL ENGINEERING; AN INTERNATIONAL JOURNAL. London, Applied Science Publishers Ltd., Journal Information Center, Elsevier Science Publishers, 52 Vanderbilt Avenue, New York, NY 10017. (Quarterly, \$84.70) Vol. 1, 1982. (NAL Call No.: SH1.A66).

Emphasis is placed on fundamental research, the development of engineering methods and the application of ideas which "may not necessarily be novel in themselves, but which have not before been applied to aquacultural engineering problems. It is the policy of the journal to encourage intercommunication between biologists, engineers, economists and marketing people, in fact all who have a common interest in aquacultural engineering." Types of contributions: Original papers, review articles, survey papers, short communications, comments, book reviews, and letters to the editor.

AQUACULTURE, Elsevier Scientific Publishing Co. Contact for United States and Canada: Elsevier Journal Information Centre, 52 Vanderbilt Ave., New York City 10017. (16 issues a year; \$313 a year) Vol. 25 (1982) over 1,000 pages. (NAL Call No. SH1.A6)

An international journal devoted to research on the exploration, improvement, and management of all aquatic food resources, floristic and faunistic, from freshwater, brackish, and marine environment. Extensive coverage of cultivation techniques and processes.

AQUACULTURE DIGEST, 9434 Kearny Mesa Road, San Diego, Calif. 92126 (Monthly; \$40 a year) Vol. 7 (1982) about 300 pages. (NAL Call No.: SH1.A63)

A current awareness guide to activities taken from published literature, telephone calls, mailed in announcements, and correspondence. Brief summaries with good references to sources, compactly packaged. Special emphasis is given to business news, scientific research, and production.

AQUACULTURE MAGAZINE, P.O. Box 2329, Asheville, N.C. 28802 (Bimonthly, \$15 a year) Vol. 8 (1982) about 250 pages. (NAL Call No. SH1.C65) Includes news and feature articles for those engaged in production, processing, and marketing of finfish, shellfish, crustaceans, and aquatic plants. Includes reports on educational courses, extension activities, products and services, operations, research, political and legislative activities, annual meeting summaries of State associations, new equipment and supplies, publications, and a good calendar of future activities. Its annual Buyer's Guide is excellent.

FARM POND HARVEST, Professional Sportsmans Publishing Co., Box AA, Momence, Ill. 60954. (Issued in January, April, July, and October; \$8 a year) Vol. 16 (1982) about 150 pages. (NAL Call No. SH1.F3) Concerned with farm pond planning, construction, management, and fishing and harvesting. Very newsy and informal. Includes much industry advertising.

FISHERIES: A BULLETIN OF THE AMERICAN FISHERIES SOCIETY, The American Fisheries Society, 5410 Grosvenor Lane, Bethesda, Md. 20814. (Bimonthly, \$30 per volume per year) 60 pages an issue. (NAL Call No. SH1.F54)

The society newsletter and professional journal of the largest fisheries group in United States. Includes some papers on fisheries management, but its prime value is announcements of recent developments, news and notes of the society, good list of coming meetings, and new books and literature. Contains ads of interest to professional fish biologists.

FISHERY BULLETIN, National Marine Fisheries Service, National Oceanic and Atmospheric Administration., U.S. Dept. of Commerce, 6010 Executive Blvd., Rockville, Md. 20853. Available from GPO. (Quarterly, \$12 a year) Vol. 80 (1982). 750 pages. (NAL Call No. I57.5 B87)

Carries original research reports and technical notes on fishing sciences, engineering, and economics. Concentrates on marine fisheries.

JOURNAL OF FISH BIOLOGY, Published by Academic Press for the Fisheries Society of the British Isles, 24/28 Oval Road., London, NW1 7DX, England. (Monthly, \$252 a year) Vols. 20 & 21 (1982) about 700 pages. (NAL Call No. QL614.J68)

A scholarly, authoritative journal on all aspects of fish biology, fisheries research results, management, and conservation. Emphasis is predominantly on marine fish biology, and the British Commonwealth countries.

JOURNAL OF FISH DISEASES, Oxford & Boston, Blackwell Scientific Publications. (Bimonthly; \$165 air freight) Vol. 5 (1982) about 500 pages. (NAL Call No. SH171.A1J68)

Highly scientific and scholarly, primarily on brackish and marine fish. An international journal publishing scientific papers, short communications, review articles, and book reviews. High quality printing with numerous illustrations.



NORTH AMERICAN JOURNAL OF FISHERIES MANAGEMENT, American Fisheries Society, 5410 Grosvenor Lane, Bethesda, Md. 20814. (Quarterly, \$10), available to members only.

Journal examines management techniques, problems, issues and opportunities, and publicizes pertinent field notes and observations.

PROGRESSIVE FISH-CULTURIST, Fish and Wildlife Service, U.S. Dept. of Interior. Available from GPO. (Quarterly, \$10 a year) Vol. 44 (1982) about 230 pages. (NAL Call No. 157.5 P94)

Primarily concerned with native American field fish -- their health, propagation, equipment, and general care. In recent years more emphasis has been placed on their culture in reservoirs, impoundments, lakes, and associated environmental situations. A practical scientific journal for advanced culturists.

TRANSACTIONS OF THE AMERICAN FISHERIES SOCIETY, The American Fisheries Society, 5410 Grosvenor Lane, Bethesda, Md. 20814. (Bimonthly, \$15 to members). Vol. 111 (1982) about 150 pages per issue. (NAL Call No. 414.9 AM3)

An authoritative scientific and technical publication devoted to original research on fisheries biology; management of fish, fisheries, and related aquatic resources. Includes articles, brief communications, book reviews, and occasional special sections on a single topic.

JOHN B. FORBES  
Field & Special Programs Division

CHARLES N. BEBEE  
Information Systems Division

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Madison, WI 53706 (608)262-9635



# 1: GENERAL AQUACULTURE

- 1982
- 0001 1982  
**AQUACULTURE CAN HELP INCREASE THE WORLD FOOD SUPPLY.**  
 SHEEHY, D.J.; VIK, S.F.  
 TIDEWATER FISHERIES NEWS 15 (1), 1.  
 Aquaculture Data Base No.: 9349
- 0002 1982  
**THE AQUACULTURE DATA BASE.**  
 RIDEOUT, C.B.  
 ICLARM NEWSLETTER 5 (2), 11.  
 Aquaculture Data Base No.: 9690
- 0003 1982  
**AQUACULTURE DEVELOPMENT AND COORDINATION PROGRAMME (ADCP) ADCP AQUACULTURE INFORMATION SYSTEM.**  
 PILLAY, T.V.R.  
 ICLARM NEWSLETTER 5 (2), 9-10.  
 Aquaculture Data Base No.: 9691
- 0004 1982  
**AQUACULTURE DEVELOPMENT PLAN FOR THE TERRITORY OF GUAM.**  
 FITZGERALD, W.J., JR.  
 U.S. DEPARTMENT OF COMMERCE, GOVERNMENT OF GUAM, i-xvii, 1-182.  
 Aquaculture Data Base No.: 9791
- 0005 1982  
**Aquaculture in North America: an assessment of future prospects.**  
 Larkin, P.A.  
 Canadian journal of fisheries and aquatic sciences = Journal canadien des sciences halieutiques et aquatiques; v. 39, (1), p. 151-154. Jan 1982. (Ottawa: Govt. of Canada, Fisheries and Oceans.)  
 NAL Call No.: 442.9 C16J  
 (Includes 1 p. ref.)
- 0006 1982  
**AQUACULTURE RESEARCH AND DEVELOPMENT.**  
 ANDERSON, K.E.  
 CALIFORNIA SEA GRANT COLLEGE PROGRAM ANNUAL SUMMARY 1980-81, REPORT NO. R-CSGCP-008, 15-17.  
 Aquaculture Data Base No.: 9692
- 0007 1982  
**AQUACULTURE TO PLAY IMPORTANT ROLE IN INDONESIA FUTURE.**  
 CREMET, M.C.; SULLIVAN, G.M.
- AQUACULTURE MAGAZINE 8 (2), 29-32.  
 Aquaculture Data Base No.: 9287
- 0008 1982  
**KEY PROBLEM AREAS IN WORLD AQUACULTURAL DEVELOPMENT.**  
 NEAL, R.A.; SMITH, I.R.  
 ICLARM NEWSLETTER 5 (1), 3-5.  
 Aquaculture Data Base No.: 9606
- 0009 1982  
**KEYNOTE ADDRESS.**  
 DONALDSON, L.R.  
 PROCEEDINGS OF THE NORTH PACIFIC AQUACULTURE SYMPOSIUM, ANCHORAGE, ALASKA, AUGUST 18-21, 1980, NEWPORT, OREGON, AUGUST 25-27, 1980, ALASKA SEA GRANT REPORT 82-2, 15-17.  
 Aquaculture Data Base No.: 9713
- 0010 1982  
**U.S. aquaculture as a food source: its status and potential.**  
 Stellmacher, M.  
 National food review NFR - United States Dept. of Agriculture, Economic Research Service; (17), p. 11-17. Winter 1982. (Washington, D.C.: The Service.)  
 (8 ref.)
- 0011 1982  
**WOODS HOLE - ESTABLISHING A FIRM FOUNDATION FOR AQUACULTURE GROWTH.**  
 PORTERFIELD, B.  
 AQUACULTURE MAGAZINE 8 (2), 16-21.  
 Aquaculture Data Base No.: 9284
- 1981
- 0012 1981  
**"AN AQUACULTURE DEVELOPMENT PLAN FOR MAINE": AN ENGLISH TRANSLATION.**  
 MYERS, E.  
 NATIONAL FISHERMAN 61 (11) 26, 102.  
 Aquaculture Data Base No.: 8966
- 0013 1981  
**AQUACULTURE - A JOB THAT OFFERS LITTLE FUN AND LESS PROFIT.**  
 MYERS, E.  
 NATIONAL FISHERMAN 61 (10), 46-47.  
 Aquaculture Data Base No.: 8524
- 0014 1981  
**Aquaculture an overview.**  
 Moran, L.P.

GENERAL AQUACULTURE

National Agricultural Library Agricultural Issues Overview; (1), 30 p. Dec, 1981. (Beltsville, Md., National Agric. Lib.)

**0015** **1981**  
**Aquaculture and artisanal fisheries (in Java).**  
 Collier, W.L.  
 Agricultural and rural development in Indonesia / edited by Gary E. Hansen; p. 275-294. 1981. (Boulder, Colo.: Westview Press.)  
 NAL Call No.: HD2082.A64  
 (Bibliography p. 293-294.)

**0016** **1981**  
**Aquaculture and the American Food Supply.**  
 Journal of NAL Associates; v. 6, (1/4,ns), 35 p. Jan/Dec 1981. (Beltsville, Md., National Agricultural Library.)  
 NAL Call No.: Z733.N3A72

**0017** **1981**  
**Aquaculture in Taiwan: a status report (Fish production).**  
 Pullin, R.S.V.  
 Aquaculture magazine; v. 7, (6), p. 30-32. Sept/Oct 1981. (Little Rock, Ark.: Briggs Associates, Inc.)  
 NAL Call No.: SH1.C65

**0018** **1981**  
**AQUACULTURE IN TEXAS. A STATUS REPORT AND DEVELOPMENT PLAN.**  
 STICKNEY, R.R.; DAVIS, J.T.  
 TEXAS A&M UNIVERSITY, TAMU-SG-81-119, 1-103.  
 Aquaculture Data Base No.: 9202

**0019** **1981**  
**AQUACULTURE IN THE VENETIAN REGIONS.**  
 CHIERICATO, G.M.; ZERBINATO, M.  
 FISHERY AND AQUACULTURE COMMITTEE OF THE COUNCIL FOR AGRICULTURE AND FORESTRY OF THE VENETIAN REGIONS, VENICE, 1-14.  
 Aquaculture Data Base No.: 9326

**0020** **1981**  
**AQUACULTURE 1980. A DIGEST OF RESEARCH IN THE SEA GRANT PROGRAM, OTHER GOVERNMENT AGENCIES, INDUSTRY, AND FOREIGN COUNTRIES.**  
 CUYVERS, L.  
 UNIVERSITY OF DELAWARE SEA GRANT COLLEGE PROGRAM, DEL-SG-19-81, 1-43.  
 Aquaculture Data Base No.: 9201

**0021** **1981**  
**Aquaculture: an industry or agriculture (Fisheries, legislation). Acquacoltura: industria o agricoltura. ITALIAN.**  
 Agnoli, F.M.  
 Informatore zootecnico; v. 27,i.e.28, (19), p. 56-57. ill. Oct 15, 1981. (Bologna: Edagricole.)  
 NAL Call No.: 49 IN3

**0022** **1981**  
**Aquatic animal protein food resources--actual and potential.**  
 Sindermann, C.J.

Future dimensions of world food and population / edited by Richard G. Woods; p. 239-255. 1981. (Boulder, Colo.: Westview Press.)  
 NAL Call No.: HD9000.5.F83  
 (7 ref.)

**0023** **1981**  
**DIALOGUE WITH ELISABETH MANN BORGESE.**  
 LYNCH, T.  
 AQUACULTURE MAGAZINE 7 (2), 32-36.  
 Aquaculture Data Base No.: 8682

**0024** **1981**  
**FISHING, FARMING AND AQUACULTURE CAN JOIN FORCES FOR GOOD OF ALL.**  
 MYERS, E.  
 NATIONAL FISHERMAN 61 (12), 32-33.  
 Aquaculture Data Base No.: 8972

**0025** **1981**  
**The International Center for Living Aquatic Resources Management (ICLARM): its role and interests.**  
 Roedel, P.M.  
 Proceedings - Gulf and Caribbean Fisheries Institute; (33rd), p. 165-170. June 1981. (Miami, Florida: The Institute.)  
 NAL Call No.: SH1.G8  
 (1 ref.)

**0026** **1981**  
**Mariculture, ocean ranching, and other culture-based fisheries.**  
 Ryther, J.H.  
 BioScience - American Institute of Biological Sciences; v. 31, (3), p. 223-229. ill. Mar 1981. (Arlington, Va.: The Institute.)  
 NAL Call No.: 500 AM322A  
 (Bibliography p. 229-230.)

**0027** **1981**  
**THE NATIONAL AQUACULTURE ACT OF 1980.**  
 BANERJEE, T.  
 FISHERIES 6 (1), 18.  
 Aquaculture Data Base No.: 8725

**0028** **1981**  
**THE NEED FOR AN INTERNATIONAL EXPERIMENTAL CENTER FOR TROPICAL AQUACULTURE FOR LATIN AMERICA.**  
 ROBINS, C.R.  
 PROCEEDINGS OF THE THIRTY-THIRD ANNUAL GULF AND CARIBBEAN FISHERIES INSTITUTE, SAN JOSE, COSTA RICA, NOV.1980,30-33.  
 Aquaculture Data Base No.: 9147

**0029** **1981**  
**Pushing back the frontiers of aquaculture development: the SEAFDEC (Southeast Asian Fisheries Development Center) Aquaculture Department (Major functions are research, training and extension).**  
 Aquaculture magazine; v. 7, (2), p. 18-22. ill. Jan/Feb 1981. (Little Rock, Ark.: Briggs Associates, Inc.)  
 NAL Call No.: SH1.C65

**0030** **1981**  
**A REPORT ON AQUACULTURE IN ANDHRA PRADESH.**  
 OSBORNE, J.E.



UNPUBLISHED REPORT FOR THE UNIVERSITY  
OF WISCONSIN PROGRAM AT ANDHRA  
UNIVERSITY, 174 PP.

Aquaculture Data Base No.: 9689

1980

0031 1981

SOIL CONSERVATION SERVICE BIOLOGISTS.

LYNCH, T.

AQUACULTURE MAGAZINE 1982 BUYER'S  
GUIDE, 26-29.

Aquaculture Data Base No.: 9320

0032 1981

STATE AQUACULTURE - FISH FARMING  
ASSOCIATIONS.

LYNCH, T.

AQUACULTURE MAGAZINE 1982 BUYER'S  
GUIDE, 16-17.

Aquaculture Data Base No.: 9318

0033 1981

STATE EXTENSION SPECIALISTS IN FISH AND  
WILDLIFE DESIGNATED TO RECEIVE  
FISHERIES AND AQUACULTURE  
INFORMATION.

LYNCH, T.

AQUACULTURE MAGAZINE 1982 BUYER'S  
GUIDE, 18-22, 24-25.

Aquaculture Data Base No.: 9319

0034 1981

Status of aquaculture in Taiwan (Fisheries production).

Li, Y.P.; Yuan, P.W.

Proceedings of Republic of China - United States  
Cooperative Science seminar on fish diseases; (pub.  
1981), p. 1-6. 1979 (pub. 1981). (Taipei, Taiwan:  
National Science Council.)

NAL Call No.: SH171.R47

(Includes 8 ref.)

0035 1981

Status of aquaculture in the U.S. : review and  
commentary : a business information report.

New York (500 Fifth Ave., New York, N.Y. 10110):

FIND/SVP, Information Clearinghouse Inc; 1981. 300  
leaves: ill.; 29 cm.

NAL Call No.: SH34.S75

"June 1981".

(Bibliography: leaves 185-186.)

0036 1981

UNIVERSITIES AND INSTITUTIONS OFFERING  
AQUACULTURE COURSES.

LYNCH, T.

AQUACULTURE MAGAZINE 1982 BUYER'S  
GUIDE, 38-41.

Aquaculture Data Base No.: 9322

0037 1981

WILL AQUACULTURE MEET ITS PROMISE.

MYERS, E.

NATIONAL FISHERMAN 61 (13), 140-142.

Aquaculture Data Base No.: 8971

0038 1980

(Abstracts of literature treating the regulatory  
constraints on aquaculture).

Rockville, Md: Aspen Systems Corporation; (1980). iii,  
13, 72 p.; 28 cm.

NAL Call No.: Z5970.A23

Title from p. 2-1.

0039 1980

ANOTHER MODE OF TRAINING FOR PEACE  
CORPS VOLUNTEERS.

GREENLAND, J.

AQUACULTURE MAGAZINE 6 (6), 27.

Aquaculture Data Base No.: 8195

0040 1980

APPLICATIONS OF OPERATIONS RESEARCH  
AND SYSTEMS SCIENCE IN AQUACULTURE.

ORTH, D.J.

FISHERIES 5 (1), 7-9.

Aquaculture Data Base No.: 7753

0041 1980

AQUACULTURE AND COASTAL ZONE  
PLANNING.

CONTE, F.S.; MANUS, A.T.

UNIVERSITY OF CALIFORNIA COOPERATIVE  
EXTENSION, SEA GRANT MARINE ADVISORY  
PROGRAM, 1-21.

Aquaculture Data Base No.: 7744

0042 1980

AQUACULTURE IN SOUTHEAST ASIA: SOME  
POINTS OF EMPHASES.

KUTTY, M.N.

AQUACULTURE 20 (3), 159-168.

Aquaculture Data Base No.: 8077

0043 1980

AQUACULTURE IN TAIWAN.

PULLIN, R.S.V.

ICLARM NEWSLETTER 3 (2), 10-12.

Aquaculture Data Base No.: 8030

0044 1980

AQUACULTURE: STATUS OF TECHNOLOGY AND  
FUTURE PROSPECTS.

DODGE, C.H.; JOLLY, W.C.; BUCK, E.H.

CONGRESSIONAL RESEARCH SERVICE, THE  
LIBRARY OF CONGRESS, ISSUE BRIEF NUMBER  
1B77099, 1-15. (UPDATE).

Aquaculture Data Base No.: 8062

0045 1980

Commercial and industrial associations in  
fish-husbandry. Promyshlennye i proizvodstvennye  
ob"edineniia v rybnom khoziaistve. RUSSIAN.

Cherniavskii, G. I.

Moskva: Pishchevaia promyshlennost'; 1980. 222, (1) p.:

ill.; 20 cm.

NAL Call No.: SH334.C54

(Bibliography: p. 222-(223))

0046 1980

CONGRESS COULD PASS AQUACULTURE BILL  
THIS YEAR.

WIELAND, T.

GENERAL AQUACULTURE

NATIONAL FISHERMAN 61 (6), 38.  
Aquaculture Data Base No.: 8332

0047 1980  
Country status report on Japan (Small-scale fisheries, and development of aquaculture).  
Asada, Y.  
Symposium on the Development and Management of Small-Scale Fisheries : proceedings of the 19th session, Indo-Pacific Fishery Commission, Kyoto, Japan, 21-30 May 1980; p. 145-162. 1980. (Bangkok: FAO Regional Office for Asia and the Pacific.)  
NAL Call No.: SH1.I5

0048 1980  
Fisheries miscellaneous : hearings before the Subcommittees on Fisheries and Wildlife Conservation and the Environment, and Oceanography of the Committee on Merchant Marine and Fisheries, House of Representatives, Ninety-sixth Congress, on National Aquaculture Act--H.R. 20, April 5, 1979, Fisheries Development Act oversight, December 10, 1979, Commercial fisheries authorization and oversight--H.R. 4890, February 11, 1980, U.S.-Soviet fishing agreement, March 3, 1980.  
Washington: U.S. G.P.O.; 1980. viii, 478 p.: ill.; 24 cm.  
NAL Call No.: KF27.M445 1980  
"Serial No. 96-45."

0049 1980  
THE INSTITUTE OF AQUACULTURE,  
UNIVERSITY OF STIRLING.  
ROBERTS, R.J.  
ICLARM NEWSLETTER 3 (4), 15.  
Aquaculture Data Base No.: 8762

0050 1980  
INTEGRATED AGRICULTURE-AQUACULTURE FARMING STUDIES IN THAILAND, WITH A CASE STUDY ON CHICKEN-FISH FARMING.  
WETCHAGARUN, K.  
ICLARM CONFERENCE PROCEEDINGS 4, INTEGRATED AGRICULTURE-AQUACULTURE FARMING SYSTEMS, MANILA, PHILIPPINES, 6-9 AUGUST 1979, 243-249.  
Aquaculture Data Base No.: 8860

0051 1980  
Interpreting dynamics of aquatic resources: a perspective for resource managers (U. S. National Parks).  
Larson, G.L.  
Environmental management; v. 4, (2), p. 105-110. ill. Mar 1980. (Mar 1980: v. 4)  
NAL Call No.: HC79.E5E5  
(4 ref.)

0052 1980  
INVESTIGACIONES Y ASPECTOS TECNOLOGICOS DE LA ACUICULTURA EN VENEZUELA.  
SALAYA, J.J.; MARTINEZ, M.; ESPINOSA V. DE; CARAVAJAL, J.  
REVISTA LATINOAMERICANA DE ACUICULTURA 4, 14-27. (IN SPANISH WITH ENGLISH ABSTRACT).  
Aquaculture Data Base No.: 8508

0053 1980  
KEYNOTE ADDRESS. SEAFOOD, ENERGY AND THE 1980'S.  
LINDBERG, J.

PROCEEDINGS OF THE ELEVENTH ANNUAL MEETING, WORLD MARICULTURE SOCIETY, NEW ORLEANS, LOUISIANA, MARCH 5-8, 1980, 13-19.  
Aquaculture Data Base No.: 9011

0054 1980  
LA ACUICULTURA EN COSTA RICA.  
REVISTA LATINOAMERICANA DE ACUICULTURA 3, 10-16. (IN SPANISH ENGLISH ABSTRACT).  
Aquaculture Data Base No.: 8505

0055 1980  
Mali: operation Mopti (Fishing industry). Mali: operation Mopti. FRENCH.  
Afrique agriculture; (63), p. 27-28. ill. Nov 1980. (Paris: Publiafric.)  
NAL Call No.: S5.A35

0056 1980  
Mozambique: increase the means facing the potentials (Fishing industry). Mozambique: accroitre les moyens face aux potentiabilites. FRENCH.  
Afrique agriculture; (62), p. 22-23. Oct 1980. (Paris: Publiafric.)  
NAL Call No.: S5.A35

0057 1980  
PEACE CORPS AQUACULTURE PROGRAM OFFERS PRACTICAL APPROACH TO VOLUNTEER TRAINING.  
LYNCH, T.  
AQUACULTURE MAGAZINE 6 (6), 20-27.  
Aquaculture Data Base No.: 8196

0058 1980  
Peace Corps Aquaculture Program offers practical approach to volunteer training (University of Oklahoma).  
Lynch, T.  
Aquaculture magazine; v. 6, (6), p. 20-27. ill. Sept/Oct 1980. (Little Rock, Ark.: Briggs Associates, Inc.)  
NAL Call No.: SH1.C65

0059 1980  
PHILIPPINE AQUACULTURE SCENARIO REVISITED.  
ENCARNACION, E.N.  
ASIAN AQUACULTURE 3 (9), 3,6.  
Aquaculture Data Base No.: 8143

0060 1980  
PHILIPPINE AQUACULTURE SCENARIO REVISITED.  
ENCARNACION, E.N.  
ASIAN AQUACULTURE 3 (8), 1-2, 7.  
Aquaculture Data Base No.: 8129

0061 1980  
A PROFILE. GEORGE LOCKWOOD - AQUACULTURE ACTIVIST.  
LYNCH, T.  
AQUACULTURE MAGAZINE 6 (4), 26-34.  
Aquaculture Data Base No.: 7866

0062 1980  
Response to change: the influence of fish science and technology on fish industries.  
Burgess, G.H.O.



Advances in fish science and technology : papers presented at the Jubilee conference of the Torry Research Station, Aberdeen, Scotland, 23-27 July 1979, edited by J.J. Connell and staff of Torry Research Station; p. 9-18. 1980. (Bibliography p. 17-18.)  
NAL Call No.: SH335.A24  
(Bibliography p. 17-18.)

0063 1980  
REVIEW OF AQUACULTURE DEVELOPMENT ACTIVITIES IN CENTRAL AND WEST AFRICA. GROVER, J.H.; STREET, D.R.; STARR, P.D. INTERNATIONAL CENTER FOR AQUACULTURE, AGRICULTURAL EXPERIMENT STATION, AUBURN UNIVERSITY, 1-31.  
Aquaculture Data Base No.: 8816

0064 1980  
The role of aquaculture in small-scale fisheries development (in Asia). Rabanal, H.R.; Delmendo, M.N. Symposium on the Development and Management of Small-Scale Fisheries : proceedings of the 19th session, Indo-Pacific Fishery Commission, Kyoto, Japan, 21-30 May 1980; p. 289-310. 1980. (Bangkok: FAO Regional Office for Asia and the Pacific.)  
NAL Call No.: SH1.I5  
(Bibliography p. 307-310.)

0065 1980  
THE SEA GRANT ANIMAL AQUACULTURE PROGRAM - PART TWO. SHAW, W.N. AQUACULTURE MAGAZINE 6 (2), 35-38.  
Aquaculture Data Base No.: 7527

0066 1980  
SEAFARM. THE STORY OF AQUACULTURE. PART II. MEADOWS AND FIELDS. BORGESE, E.M. SEAFARM. THE STORY OF AQUACULTURE, HARRY N. ABRAMS, INC., 92-123.  
Aquaculture Data Base No.: 9164

0067 1980  
SEAFARM. THE STORY OF AQUACULTURE. PART III. FARM ANIMALS. BORGESE, E.M. SEAFARM. THE STORY OF AQUACULTURE, HARRY N. ABRAMS, INC., 124-211.  
Aquaculture Data Base No.: 9165

0068 1980  
SEAFARM. THE STORY OF AQUACULTURE. PART IV. ON THE HORIZON. BORGESE, E.M. SEAFARM. THE STORY OF AQUACULTURE, HARRY N. ABRAMS, INC., 212-226.  
Aquaculture Data Base No.: 9166

0069 1980  
SEAFARM: THE STORY OF AQUACULTURE. PART 1. THE AGE OF AQUARIUS. BORGESE, E.M. SEAFARM. THE STORY OF AQUACULTURE, HARRY N. ABRAMS, INC., 13-91.  
Aquaculture Data Base No.: 9163

0070 1980  
Some comments on the development of aquaculture in Latin America (Carp, tilapia, trout). Algunos comentarios sobre el desarrollo de la acuicultura en America Latina. SPANISH.

Vegas Velez, M. Interciencia; v. 5, (2), p. 101-103. Mar/Apr 1980. (Caracas: Asociacion Interciencia.)  
NAL Call No.: Q1.A1I5

0071 1980  
STATUS, POTENTIALS AND PROBLEMS OF MARICULTURE IN COSTA RICA. MAEGEL, L.C.A. PROCEEDINGS OF THE ELEVENTH ANNUAL MEETING, WORLD MARICULTURE SOCIETY, NEW ORLEANS, LOUISIANA, MARCH 5-8, 1980, 570-576.  
Aquaculture Data Base No.: 9067

0072 1980  
USDA role structured with release of aquaculture program for the 1980s. Aquaculture magazine; v. 6, (2), p. 4-5. ill. Jan/Feb 1980. (Little Rock, Ark: Briggs Associates, Inc.)  
NAL Call No.: SH1.C65

1979

0073 1979  
Advances in aquaculture : papers presented at FAO Technical Conference on Aquaculture, Kyoto, Japan, 26 May-2 June 1976. Farnham: Fishing News Books Ltd; 1979. 653 p.: ill.; 30 cm.  
NAL Call No.: SH135.F3 1976  
Published by arrangement with the Food and Agriculture Organization of the United Nations. (Includes bibliographies.)

0074 1979  
AQUACULTURE - A PROGRAM FOR THE EIGHTIES. UNITED STATES DEPARTMENT OF AGRICULTURE, 1-59.  
Aquaculture Data Base No.: 8544

0075 1979  
AQUACULTURE AND ALGAE CULTURE - PROCESSES AND PRODUCTS. LEGAL AND REGULATORY ASPECTS OF AQUACULTURE. WATSON, A.S. AQUACULTURE AND ALGAE CULTURE (FOOD TECHNOLOGY REVIEW NO.53), NOYES DATA CORPORATION, 288-299.  
Aquaculture Data Base No.: 8654

0076 1979  
AQUACULTURE AND GOVERNMENT. HUDSON, S. THE COMMERCIAL FISH FARMER AND AQUACULTURE NEWS 5 (3), 30-32.  
Aquaculture Data Base No.: 6536

0077 1979  
Aquaculture and hydroponics, 1968-1978. Bebee, Charles N. Beltsville, Md: Dept. of Agriculture, Science and Education Administration, Technical Information Systems ; for sale by Supt. of Doc; 1979. vi, 71 p.; 28 cm.  
NAL Call No.: aZ5076.A1U54 no.2  
Citations taken from AGRICOLA citation database May 1979 Includes index.  
(Bibliographies and literature of agriculture ; no. 2)

GENERAL AQUACULTURE

- 0078 1979  
**AQUACULTURE DEVELOPMENT IN RURAL  
 ATOMISTIC SOCIETIES.**  
 MCGOODWIN, J.R.  
 WOODS HOLE OCEANOGRAPHIC INSTITUTION,  
 WHO-T-79-006, TECHNICAL REPORT, 1-32.  
 Aquaculture Data Base No.: 8206
- 0079 1979  
**Aquaculture in Baja California Sur (Mexico, fish and  
 mollusk culture). La acuacultura en Baja California Sur.**  
 SPANISH.  
 Armador Buenrostro, J.  
 Publicacion especial - Instituto Nacional de  
 Investigaciones Forestales; (14), p. 145-147. Jan 1979.  
 (Mexico: The Instituto.)  
 NAL Call No.: 99.9 M577P
- 0080 1979  
**AQUACULTURE IN CHINA.**  
 RYTHER, J.H.  
 OCEANUS 22 (1), 21-28.  
 Aquaculture Data Base No.: 6962
- 0081 1979  
**AQUACULTURE IN HAWAII: PAST AND  
 PRESENT.**  
 FASSLER, C.R.  
 UNIVERSITY OF HAWAII SEA GRANT COLLEGE  
 MARINE ADVISORY PROGRAM,  
 UNIHI-SEAGRANT-AB-80-05, 2PP.  
 Aquaculture Data Base No.: 9428
- 0082 1979  
**Aquaculture magazine.**  
 (Little Rock, Ark: Briggs Associates, inc.);  
 NAL Call No.: SH1.C65
- 0083 1979  
**AQUACULTURE POLICIES IN LATIN AMERICA.**  
 PALACIO, F.J.  
 MARINE POLICY 3 (2), 99-105.  
 Aquaculture Data Base No.: 6714
- 0084 1979  
**AQUACULTURE PROJECTS PLANNED.**  
 MOORE, M.  
 THE COMMERCIAL FISH FARMER —  
 AQUACULTURE NEWS 5 (2), PG.4.  
 Aquaculture Data Base No.: 6335
- 0085 1979  
**AQUACULTURE. STUDIES IN BIOLOGY NO. 106.**  
 REAY, R.J.  
 UNIVERSITY PARK PRESS, 1-60.  
 Aquaculture Data Base No.: 6979
- 0086 1979  
**AQUACULTURE. WILL FARMING IN THE  
 WATER BE THE WAVE OF THE FUTURE.**  
 LYMAN, F.C.  
 DUN — BRADSTREET REPORTS 27 (4), 13-19.  
 Aquaculture Data Base No.: 8028
- 0087 1979  
**AQUACULTURE: A NEW LOOK AT AN OLD  
 IDEA.**  
 JOHNSON, R.
- CONSERVATION NEWS 44 (8), 2-4.  
 Aquaculture Data Base No.: 6560
- 0088 1979  
**AQUACULTURE: A NEW LOOK AT AN OLD  
 IDEA.**  
 JOHNSON, R.  
 CONSERVATION NEWS 44 (9), 2-5.  
 Aquaculture Data Base No.: 6660
- 0089 1979  
**AQUACULTURISTS SEEK RELIEF FROM  
 REGULATORY CONSTRAINTS.**  
 MOORE, M.  
 THE COMMERCIAL FISH FARMER —  
 AQUACULTURE NEWS 5 (2), 8-11, 44-45.  
 Aquaculture Data Base No.: 6336
- 0090 1979  
**AUBURN AQUACULTURE PROGRAM  
 CONTINUES LEADERSHIP TRADITION.**  
 STUCK, D.D.  
 AQUACULTURE MAGAZINE 5 (6), 16-19.  
 Aquaculture Data Base No.: 7382
- 0091 1979  
**AUBURN UNIVERSITY'S PHILOSOPHY AND  
 STRATEGY FOR INTERNATIONAL  
 AQUACULTURAL DEVELOPMENT AND  
 TECHNOLOGY TRANSFER.**  
 MOSS, D.D.; GROVER, J.H.; SCHMITTOU, H.R.;  
 SHELL, E.W.; LICHTKOPPLER, F.L.  
 PROCEEDINGS OF THE 10TH ANNUAL  
 MEETING, WMS, HONOLULU, HAWAII,  
 JAN.22-26, 1979, 68-78.  
 Aquaculture Data Base No.: 7917
- 0092 1979  
**BRACKISHWATER AQUACULTURE  
 DEVELOPMENT IN NORTHERN SUMATRA,  
 INDONESIA.**  
 CREMER, M.C.; DUNCAN, B.L.  
 AUBURN UNIVERSITY, AGRICULTURAL  
 EXPERIMENT STATION, RESEARCH AND  
 DEVELOPMENT SERIES NO. 23, 1-11.  
 Aquaculture Data Base No.: 6984
- 0093 1979  
**CALIFORNIA READY FOR AQUACULTURE IN  
 TOMALES BAY.**  
 ALLEN, F.J.  
 NATIONAL FISHERMAN 59 (12), 31.  
 Aquaculture Data Base No.: 6459
- 0094 1979  
**The concept of aquaculture (Fish farming).**  
 Tal, S.  
 Bamidgeh. = Bulletin of Fish Culture in Israel; v. 31, (2),  
 p. 23-25. June 1979. (Nir-David: Joint Agricultural  
 Extension Centre.)  
 NAL Call No.: 414.8 B21
- 0095 1979  
**CREATING A PUBLIC CONTEXT FOR  
 AQUACULTURE SYSTEMS.**  
 JUDD, R.L., JR.; WALKER, M.



- AQUACULTURE SYSTEMS FOR WASTEWATER TREATMENT, SEMINAR PROCEEDINGS AND ENGINEERING ASSESSMENT, EPA 430/9-80-006, 23-28.  
Aquaculture Data Base No.: 9107
- 0096 1979  
DEVELOPMENT OF AQUACULTURE IN AN ISLAND COMMUNITY (GUAM, MARIANA ISLANDS).  
FITZGERALD, W.J., JR.; NELSON, S.G.  
PROCEEDINGS OF THE 10TH ANNUAL MEETING, WMS, HONOLULU, HAWAII, JAN.22-26, 1979, 39-50.  
Aquaculture Data Base No.: 7915
- 0097 1979  
EGYPTIAN AQUACULTURE: EXPANDING DEVELOPMENT PLANS.  
NEAL, R.A.  
ICLARM NEWSLETTER 2 (2), 5-6, 9.  
Aquaculture Data Base No.: 6742
- 0098 1979  
FACTORS LIMITING THE DEVELOPMENT OF AQUACULTURE: A JAPANESE EXPERIENCE.  
MATSUDA, Y.  
WOODS HOLE OCEANOGRAPHIC INSTITUTION TECHNICAL REPORT, WHOI-79-47, 85PP.  
Aquaculture Data Base No.: 8334
- 0099 1979  
THE FEDERAL ROLE AND INTEREST BY EPA'S CONSTRUCTION GRANTS PROGRAM IN AQUACULTURE SYSTEMS FOR MUNICIPAL WASTEWATER TREATMENT.  
SMITH, J.N.; BASTIAN, R.K.  
AQUACULTURE SYSTEMS FOR WASTEWATER TREATMENT, SEMINAR PROCEEDINGS AND ENGINEERING ASSESSMENT, EPA 430/9-80-006, 29-34.  
Aquaculture Data Base No.: 9108
- 0100 1979  
INTRODUCTION TO AQUACULTURE IN TAIWAN.  
LI, Y.; LIAO, I.-C.  
PROCEEDINGS OF THE 10TH ANNUAL MEETING, WMS, HONOLULU, HAWAII, JAN. 22-26, 1979, 229-237.  
Aquaculture Data Base No.: 7931
- 0101 1979  
KEYNOTE ADDRESS.  
BARDACH, J.E.  
PROCEEDINGS OF THE 10TH ANNUAL MEETING, WMS, HONOLULU, HAWAII, JAN.22-26, 1979, 11-18.  
Aquaculture Data Base No.: 7912
- 0102 1979  
THE NEED FOR MANAGEMENT GUIDELINES FOR MARICULTURE ACTIVITIES IN NEW YORK STATE.  
HENDRICKSON, S.A.  
PROCEEDINGS OF THE SYMPOSIUM ON MARICULTURE IN NEW YORK STATE. SOUTHAMPTON, NEW YORK, OCTOBER 22, 1977. NEW YORK SEA GRANT INSTITUTE NYSGI-RP-79-01. 8-12.  
Aquaculture Data Base No.: 7191
- 0103 1979  
PEACE CORPS: PRIME TESTING GROUNDS TO DEVELOP AQUACULTURE EXPERTISE.  
CHAKROFF, M.S.  
THE COMMERCIAL FISH FARMER & AQUACULTURE NEWS 5 (2), 19-22.  
Aquaculture Data Base No.: 6339
- 0104 1979  
PLANNING AQUACULTURE DEVELOPMENT: THE FIRST TIME IS ALWAYS THE HARDEST.  
CORBIN, J.S.; GIBSON, R.T.  
PROCEEDINGS OF THE 10TH ANNUAL MEETING, WMS, HONOLULU, HAWAII, JAN.22-26, 1979, 21-27.  
Aquaculture Data Base No.: 7913
- 0105 1979  
PRESIDENT'S REPORT. THE FIRST DECADE. HONORARY LIFE MEMBERS.  
GLUDE, J.  
PROCEEDINGS OF THE 10TH ANNUAL MEETING, WMS, HONOLULU, HAWAII, JAN.22-26, 1979, 5-9.  
Aquaculture Data Base No.: 7911
- 0106 1979  
PRINCIPLES OF WARMWATER AQUACULTURE. 1. INTRODUCTION.  
STICKNEY, R.R.  
PRINCIPLES OF WARMWATER AQUACULTURE. JOHN WILEY & SONS, 1-20.  
Aquaculture Data Base No.: 7405
- 0107 1979  
REMARKS OF THE HONORABLE SENATOR BERNARD C. SMITH.  
SMITH, B.C.  
PROCEEDINGS OF THE SYMPOSIUM ON MARICULTURE IN NEW YORK STATE. SOUTHAMPTON, NEW YORK, OCTOBER 22, 1977. NEW YORK SEA GRANT INSTITUTE NYSGI-RP-79-01. 47-59.  
Aquaculture Data Base No.: 7186
- 0108 1979  
REPORT ON THE ADVISABILITY AND TERMS OF REFERENCE FOR A WORKING GROUP ON BROAD SCIENTIFIC AND RELATED MARICULTURE ISSUES.  
MITCHELL, J.R.  
INTERNATIONAL COUNCIL FOR THE EXPLORATION OF THE SEA, MARICULTURE COMMITTEE PAPER F:55, 31 PP.  
Aquaculture Data Base No.: 7651
- 0109 1979  
SALTWATER MARICULTURE RESEARCH IN ISRAEL.  
HUGHES-GAMES, A.  
UNPUBLISHED, PRESENTED, SEMINAR, VIRGINIA INSTITUTE OF MARINE SCIENCE, NOVEMBER 7, 1979, 10 PP.  
Aquaculture Data Base No.: 8108
- 0110 1979  
THE SEA GRANT ANIMAL AQUACULTURE PROGRAM. PART 1.  
SHAW, W.N.

GENERAL AQUACULTURE

AQUACULTURE MAGAZINE 6 (1), 18-21.  
Aquaculture Data Base No.: 7328

1978

0111 1979  
SOME LEGAL CONSIDERATIONS RELATING TO  
NEW YORK MARICULTURE.  
NEWTON, G.C.  
PROCEEDINGS OF THE SYMPOSIUM ON  
MARICULTURE IN NEW YORK STATE.  
SOUTHAMPTON, NEW YORK, OCTOBER 22, 1977.  
NEW YORK SEA GRANT INSTITUTE  
NYSGI-RP-79-01. 68-73.  
Aquaculture Data Base No.: 7185

0112 1979  
SOVIET SEA FARM SYNOPSIS.  
ZAITSEV, V.  
OCEANS 12 (2), 20.  
Aquaculture Data Base No.: 6423

0113 1979  
Structure of US aquaculture (the farming of aquatic  
animals and plants): developments in politics,  
organization and research.  
Nash, C.E.  
Haywards Heath, Sussex: IPC Science and Technology  
Press; Aug 1979. p. 204-215.  
NAL Call No.: HD9000.1.F66  
(37 ref)

0114 1979  
A SUMMARY OF AQUACULTURE RESEARCH AT  
THE SKIDAWAY INSTITUTE AND THE  
UNIVERSITY OF GEORGIA'S COASTAL PLAIN  
EXPERIMENT STATION.  
ANDREWS, J.W.  
THE UNIVERSITY OF GEORGIA, COLLEGE OF  
AGRICULTURE EXPERIMENT STATIONS,  
RESEARCH BULLETIN 247, 1-98.  
Aquaculture Data Base No.: 7821

0115 1979  
TERRY Y. NOSHO - AQUACULTURE FIELD  
SPECIALIST.  
HOLLIMAN, M.C.  
SEAGRANT '70S 9 (1), 9-10.  
Aquaculture Data Base No.: 6430

0116 1979  
TOWARD A PARTNERSHIP AMONG ICES  
MEMBER COUNTRIES FOR THE DEVELOPMENT  
OF MARICULTURE PROGRAMS.  
BANERJEE, T.  
INTERNATIONAL COUNCIL FOR THE  
EXPLORATION OF THE SEA, MARICULTURE  
COMMITTEE PAPER F:41, 9 PP.  
Aquaculture Data Base No.: 7633

0117 1979  
Visual resource management of the sea.  
Mills, L.V. Jr.  
USDA Forest Service general technical report  
PSW. United States. Pacific Southwest Forest and Range  
Experiment Station; (35), p. 717-714. ill., maps. Sept  
1979. (Berkeley, Calif.: The Station.)  
NAL Call No.: aSD11.A325  
(23 ref.)

0118 1978  
Agricultural oral history interview with James G. Teer,  
head, wildlife and fisheries science.  
Teer, James G.; May, Irvin M.; Stroup, Candace.  
College Station, Tex: Texas A&M University Archive;  
1978. 29 leaves; 28 cm.  
NAL Call No.: R SK354.T4T4  
Cover title Interview conducted on August 2, 1978 by  
Irvin M. May and Candace Stroup of the Texas  
Agricultural Experiment Station.

0119 1978  
AQUACULTURE - WILL IT EVER AMOUNT TO  
ANYTHING.  
MYERS, E.  
NATIONAL FISHERMAN 58 (13), 128-129.  
Aquaculture Data Base No.: 4639

0120 1978  
Aquaculture ;; Hearings before the Subcommittee on  
Agricultural Research and General Legislation of the  
Committee on Agriculture, Nutrition, and Forestry,  
United States Senate, Ninety-fifth Congress, second  
session on S. 1043 ... S. 2218 ... S. 2762 ... April 18 and  
20, 1978. -.  
Washington : U.S. Govt. Print. Off., 1978. iv, 174 p. :  
ill. ; 24 cm.  
NAL Call No.: KF26.A351 1978

0121 1978  
AQUACULTURE DEVELOPMENT FOR HAWAII. I.  
INTRODUCTION.  
KONO, H.  
HAWAII DEPARTMENT OF PLANNING AND  
ECONOMIC DEVELOPMENT, 1-14.  
Aquaculture Data Base No.: 6155

0122 1978  
AQUACULTURE DEVELOPMENT FOR HAWAII.  
II. SUMMARIES OF ASSESSMENTS.  
KONO, H.  
HAWAII DEPARTMENT OF PLANNING AND  
ECONOMIC DEVELOPMENT, 15-140.  
Aquaculture Data Base No.: 6156

0123 1978  
AQUACULTURE DEVELOPMENT FOR HAWAII.  
III. GUIDELINES FOR DEVELOPMENT. IV.  
IMPLEMENTATION. V. BUDGET AND  
TIMETABLE.  
KONO, H.  
HAWAII DEPARTMENT OF PLANNING AND  
ECONOMIC DEVELOPMENT, 141-174.  
Aquaculture Data Base No.: 6157

0124 1978  
AQUACULTURE DEVELOPMENT IN ALASKA:  
THE VIEWS OF AN AQUACULTURIST.  
KERNS, C.L.  
ALASKA SEA GRANT PROGRAM. ALASKA  
SCIENCE CONFERENCE AUGUST 15-17, 1978. 1-27.  
Aquaculture Data Base No.: 4662

0125 1978  
AQUACULTURE IN HAWAII SPECIES AND  
SYSTEMS.  
SHKLOV, J.M.; FASSLER, C.R.



UNIVERSITY OF HAWAII. SEA GRANT  
PROGRAM. UNIHI-SEAGRANT-AB-79-03, 1P.  
Aquaculture Data Base No.: 6881

0126 1978  
AQUACULTURE IN LATIN AMERICA.  
SWIFT, D.  
FISH FARMING INTERNATIONAL 5 (4), 8-14.  
Aquaculture Data Base No.: 6244

0127 1978  
AQUACULTURE IN NEW ZEALAND.  
CAMPBELL, J.  
FISH FARMING INTERNATIONAL 5 (4), 24-28.  
Aquaculture Data Base No.: 6247

0128 1978  
Aquaculture in the United States ;; Constraints and  
opportunities : a report of the Committee on  
Aquaculture, Board on Agriculture and Renewable  
Resources, Commission on Natural Resources, National  
Research Council. -.  
Washington : National Academy of Sciences,. 1978. xii,  
123 p. ; 28 cm.  
NAL Call No.: SH34.N37  
(Bibliography: p. 108-123.)

0129 1978  
AQUACULTURE IN THE UNITED STATES.  
CONSTRAINTS AND OPPORTUNITIES.  
APPENDIX A. RIPARIAN LAW.  
WALSH, D.  
NATIONAL ACADEMY OF SCIENCES, 98-102.  
Aquaculture Data Base No.: 6405

0130 1978  
AQUACULTURE IN THE UNITED STATES.  
CONSTRAINTS AND OPPORTUNITIES. CHAPTER  
II. SCIENCE AND TECHNOLOGY.  
WALSH, D.  
NATIONAL ACADEMY OF SCIENCES, 39-57.  
Aquaculture Data Base No.: 6408

0131 1978  
AQUACULTURE IN THE UNITED STATES.  
CONSTRAINTS AND OPPORTUNITIES. CHAPTER  
IV. LAW AND PUBLIC ADMINISTRATION.  
WALSH, D.  
NATIONAL ACADEMY OF SCIENCES, 74-97.  
Aquaculture Data Base No.: 6410

0132 1978  
AQUACULTURE. A NEW SOURCE OF FOOD.  
BERGAN, J.G.  
RHODE ISLAND RESOURCES 24 (2), 11.  
Aquaculture Data Base No.: 4920

0133 1978  
AQUACULTURE: A POTENTIAL IMPACT.  
KANETA, F.  
PROCEEDINGS OF THE THIRD ANNUAL  
STUDENT SYMPOSIUM ON MARINE AFFAIRS,  
UNIHI-SEAGRANT-MR-78-03, 239-246.  
Aquaculture Data Base No.: 7345

0134 1978  
AQUACULTURE: SOME CURRENT PROBLEMS  
AND THE WAY AHEAD.  
SHEPHERD, C.J.

PROCEEDINGS OF THE ROYAL SOCIETY OF  
EDINBURGH 76B, 215-222.  
Aquaculture Data Base No.: 7702

0135 1978  
AQUACULTURE: THE PROBLEMS POTENTIAL,  
AND DEVELOPMENTS IN RAISING  
MACROBRACHIUM ROSENBERGII.  
HIND, W.M.  
PROCEEDINGS OF THE THIRD ANNUAL  
STUDENT SYMPOSIUM ON MARINE AFFAIRS,  
UNIHI-SEAGRANT-MR-78-03, 74-81.  
Aquaculture Data Base No.: 7348

0136 1978  
THE CONTRIBUTION OF FISHERIES AND  
AQUACULTURE TO WORLD AND U.S. FOOD  
SUPPLIES.  
GLUDE, J.B.  
DRUGS AND FOOD FROM THE SEA, MYTH OR  
REALITY? 235-247. THE UNIVERSITY OF  
OKLAHOMA, NORMAN, OKLAHOMA.  
Aquaculture Data Base No.: 7075

0137 1978  
DEVELOPMENT OF RESEARCH PRIORITIES  
FOR AQUACULTURE PLANNING.  
BLEDSOE, L.J.; SHLESER, R.A.; GLUDE, J.B.  
UNIVERSITY OF WASHINGTON, WASHINGTON  
SEA GRANT REPORT, WSG-MR-78-2, 1-52.  
Aquaculture Data Base No.: 7715

0138 1978  
EXTENSIVE AQUACULTURE PROJECTS VISITED  
IN JAPAN.  
PEARSON, R.  
NORTHWEST AND ALASKA FISHERIES CENTER  
MONTHLY REPORT. NOVEMBER 1978. 18-19.  
Aquaculture Data Base No.: 6294

0139 1978  
Fish farming faces challenging future [Aquaculture].  
Meade, T.L..  
*R I Resour.* 24 (2): 4-7. Spring/Summer 1978. .)  
NAL Call No.: 100 R342

0140 1978  
Fishes of the Salmon River estuary, Oregon.  
Mullen, Robert E.  
Corvallis: Oregon Dept. of Fish and Wildlife, Research  
and Development Section; 1978. 16 p.: ill.  
NAL Call No.: SH1.I55 No.79-5  
(Information report series, fisheries ; no. 79-5)  
(Bibliography: p. 15.)

0141 1978  
Food from water : fisheries and aquaculture : papers  
presented to the Parliamentary and Scientific Committee  
at the House of Commons, Ottawa, January 31, 1978.  
Ottawa: Dept. of Fisheries and the Environment,  
Fisheries and Marine Service; 1978. iv, 32, iv, 35 p.; 25  
cm.  
NAL Call No.: SH223.F59  
Added t.p.: L'eau, source et nourriture English and  
French.  
(Miscellaneous special publication - Fisheries and  
Marine Service, 0701-7650 ; 39)  
(Includes bibliographies.)

0142 1978

GENERAL AQUACULTURE

FOOD PRODUCTION FROM THE SEA.

SINDERMAN, C.J.  
 DRUGS AND FOOD FROM THE SEA, MYTH OR  
 REALITY? 233-234. THE UNIVERSITY OF  
 OKLAHOMA, NORMAN, OKLAHOMA.  
 Aquaculture Data Base No.: 7074

0143 1978

Freshwater and aquaculture contents tables= Actualites  
 des eaux douces et de l'aquaculture.  
 Rome: Food and Agriculture Organization of the United  
 Nations; v.; 22 cm.  
 NAL Call No.: Z5970.F7

"A product of the Auratic Sciences and Fisheries  
 Information System Description based on: Vol. 3, no. 1  
 (Jan., 1980).

0144 1978

GEOHERMAL RESOURCES AND  
 AQUACULTURE.  
 MCNEIL, W.J.  
 OREGON STATE UNIVERSITY. SEA GRANT  
 COLLEGE PROGRAM, ORESU-W-78-001, 28-52.  
 Aquaculture Data Base No.: 6584

0145 1978

Getting food from water.  
 Logsdon, Gene.  
 Emmaus, Pa: Rodale Press; c1978. xi, 371 p.: ill.; 24 cm.  
 NAL Call No.: SH135.L63  
 (Bibliography: p. 338)

0146 1978

GOVERNMENT SEEKING WAYS TO ENCOURAGE  
 AQUACULTURE.  
 HOLDEN, C.  
 SCIENCE 200 (4337), 33-35.  
 Aquaculture Data Base No.: 4930

0147 1978

THE GROWTH OF AQUACULTURE IN  
 DEVELOPING COUNTRIES: POTENTIALS,  
 PATTERNS, AND PITFALLS.  
 MATSUDA, Y.  
 FISHERIES 3 (4), 2-4, 6.  
 Aquaculture Data Base No.: 6570

0148 1978

Habitat data needs for managing wildlife (and fish  
 populations).  
 Jahn, L.R.  
 FWS/OBS - United States Fish and Wildlife Service,  
 Office of Biological Services; (78/76), p. 5-12. 1978.  
 (Washington, D.C.: The Service.)  
 NAL Call No.: QH540.U56

0149 1978

HAWAII'S AQUACULTURE BOOM.  
 KONO, H.  
 THE COMMERCIAL FISH FARMER AND  
 AQUACULTURE NEWS 4 (3), 6-10.  
 Aquaculture Data Base No.: 4551

0150 1978

INSTITUTE GAINS INTERNATIONAL  
 REPUTATION FOR AQUACULTURE RESEARCH,  
 DEVELOPMENT.  
 NASH, C.E.

THE COMMERCIAL FISH FARMER AND  
 AQUACULTURE NEWS 4 (3), 27-28.  
 Aquaculture Data Base No.: 4547

0151 1978

LEGAL CONSIDERATIONS IN THE MARITIME  
 SETTING.  
 BENNER, K.N.K.  
 PROCEEDINGS OF THE MARINE PLANT  
 BIOMASS OF THE PACIFIC NORTHWEST COAST  
 SYMPOSIUM, MARCH 2, 1977, GLENEDEN  
 BEACH OREGON, 377-388. (REPRINT).  
 Aquaculture Data Base No.: 7359

0152 1978

MARICULTURE RESEARCH AND  
 DEVELOPMENTAL ACTIVITIES.  
 KARTHA, K.N.K.  
 CENTRAL MARINE FISHERIES RESEARCH  
 INSTITUTE. SPECIAL PUBLICATION NO. 2, 1-48.  
 Aquaculture Data Base No.: 6420

0153 1978

MARICULTURE: POTENTIAL PROTEIN FOR THE  
 THIRD WORLD.  
 RYHER, J.H.  
 THE COMMERCIAL FISH FARMER AND  
 AQUACULTURE NEWS 4 (6), 24-26.  
 Aquaculture Data Base No.: 4911

0154 1978

MARINE BIOLOGY AND HUMAN AFFAIRS.  
 RUSSELL, F.S.  
 ADVANCES IN MARINE BIOLOGY 15, 233-248.  
 Aquaculture Data Base No.: 9131

0155 1978

National assessment needs (for wildlife and fish habitat,  
 Forest and Rangeland Renewable Resources Planning  
 Act).  
 Driscoll, R.S.  
 FWS/OBS - United States Fish and Wildlife Service,  
 Office of Biological Services; (78/76), p. 35-40. ill. 1978.  
 (Washington, D.C.: The Service.)  
 NAL Call No.: QH540.U56

0156 1978

A NEW INDUSTRY MEANS NEW TRAINING  
 NEEDS.  
 KNIGHT, A.R.  
 RHODE ISLAND RESOURCES 24 (2), 14-16.  
 Aquaculture Data Base No.: 4926

0157 1978

AN OVERVIEW OF AQUACULTURE RESEARCH  
 IN THE SOUTHEAST FISHERIES CENTER'S  
 GALVESTON LABORATORY.  
 KLIMA, E.F.  
 PROCEEDINGS OF THE NINTH ANNUAL  
 WORKSHOP WORLD MARICULTURE SOCIETY.  
 ATLANTA, GEORGIA. 671-681.  
 Aquaculture Data Base No.: 6552

0158 1978

PEOPLE ARE IMPORTANT (KEYNOTE  
 ADDRESS).  
 DONALDSON, L.R.



- PROCEEDINGS OF THE NINTH ANNUAL  
WORKSHOP WORLD MARICULTURE SOCIETY.  
ATLANTA, GEORGIA. 13-17.  
Aquaculture Data Base No.: 6487
- 0159 1978  
PROGRESS OF AQUACULTURE.  
PILLAY, T.V.R.  
OCEAN YEARBOOK I, UNIVERSITY OF  
CHICAGO PRESS, 84-101.  
Aquaculture Data Base No.: 9582
- 0160 1978  
PROMOTION OF AQUACULTURE RESEARCH  
AND DEVELOPMENT THROUGH THE  
ESTABLISHMENT OF AN ADVISORY PANEL ON  
AQUACULTURE.  
TIEWS, K.  
FAO ADVISORY COMMITTEE ON MARINE  
RESOURCES RESEARCH, NINTH MEETING.  
ROME, JUNE 5-9, 1978. 1-10.  
Aquaculture Data Base No.: 7167
- 0161 1978  
THE RESPONSE OF THE LEGAL SYSTEM TO  
TECHNOLOGICAL INNOVATION IN  
AQUACULTURE: A COMPARATIVE STUDY OF  
MARICULTURE LEGISLATION IN CALIFORNIA,  
FLORIDA AND MAINE.  
OWEN, S.  
COASTAL ZONE MANAGEMENT JOURNAL 4 (3),  
269-297.  
Aquaculture Data Base No.: 7203
- 0162 1978  
SHORT REVIEW OF AQUACULTURE IN TAIWAN.  
LIAO, I.-C.  
SCIENCE KNOWLEDGE (1977) 5, 34-40.  
TUNGKANG MARINE LABORATORY  
COLLECTED REPRINTS (1974-1977), 3 (42), 111-118.  
(IN CHINESE WITH ENGLISH ABSTRACT).  
Aquaculture Data Base No.: 6724
- 0163 1978  
SPECIAL REPORT. AQUACULTURE THE STATE  
OF THE ART.  
HOUGH, S.  
CALYPSO LOG, 5 (2), SUPPLEMENT 6P.  
Aquaculture Data Base No.: 4734
- 0164 1978  
U.S. Aquaculture lags but could be an important food  
source.  
Schatz, G.S..  
*Fisheries*. 3 (4): 7-9. July/Aug 1978. .)  
NAL Call No.: SH1.F54
- 0165 1978  
VOLUNTEERS SHARE THEIR EXPERTISE  
THROUGH NON-PROFIT ORGANIZATION.  
MOORE, M.  
THE COMMERCIAL FISH FARMER AND  
AQUACULTURE NEWS 4 (6), 31-32.  
Aquaculture Data Base No.: 4912
- 1977  
0166 1977  
AQUACULTURE.  
TERRY, O.W.  
NEW YORK SEA GRANT INSTITUTE. MESA NEW  
YORK BIGHT ATLAS MONOGRAPH 17, 36P.  
Aquaculture Data Base No.: 4558
- 0167 1977  
AQUACULTURE IN HAWAII; METHODS AND  
PROBLEMS.  
OKIMOTO, C.S.  
PROCEEDINGS OF THE SECOND ANNUAL  
STUDENT SYMPOSIUM ON MARINE AFFAIRS,  
MAY, 27, 1977, UNIHI-SEAGRANT-MR-77-02, 86-98.  
Aquaculture Data Base No.: 8621
- 0168 1977  
AQUACULTURE IN ISRAEL, A SUCCESS STORY.  
HEPHER, B.; MOAV, R.  
SEA GRANT NEWSLETTER 7 (12), 1-3.  
Aquaculture Data Base No.: 4028
- 0169 1977  
AQUACULTURE ON A REDUCED SCALE,  
INSTITUTE AIMS PROJECTS TO HELP SMALL  
LANDHOLDERS.  
MCLARNEY, B.; TODD, J.  
THE COMMERCIAL FISH FARMER AND  
AQUACULTURE NEWS 3 (6), 10-16.  
Aquaculture Data Base No.: 3880
- 0170 1977  
AN AQUACULTURE PERSPECTIVE FOR THE  
DEVELOPED WORLD. THE FRENCH  
EXPERIENCE.  
ANDERSON, S.L.  
OCCIDENTAL COLLEGE, MOORE LABORATORY  
OF ZOOLOGY. 23P.  
Aquaculture Data Base No.: 3343
- 0171 1977  
AQUACULTURE WORK AT CANADIAN  
UNIVERSITY.  
ALDRIDGE, C.H.  
FISH FARMING INTERNATIONAL 4 (1), 26-29.  
Aquaculture Data Base No.: 3978
- 0172 1977  
AQUACULTURE 50.  
DELONG, L.A.  
PROCEEDINGS OF THE SECOND ANNUAL  
STUDENT SYMPOSIUM ON MARINE AFFAIRS,  
MAY 27, 1977, UNIHI-SEAGRANT-MR-77-02, 99-101.  
Aquaculture Data Base No.: 8622
- 0173 1977  
AQUACULTURE'S PROGRESSION: RESEARCH.  
YAMANE, H.C.  
PROCEEDINGS OF THE SECOND ANNUAL  
STUDENT SYMPOSIUM ON MARINE AFFAIRS,  
MAY 27, 1977, UNIHI-SEAGRANT-MR-77-02,  
110-121.  
Aquaculture Data Base No.: 8624
- 0174 1977  
COASTAL AQUACULTURE IN EUROPE.  
PULLIN, R.S.V.

GENERAL AQUACULTURE

MARINE POLICY 1 (3), 205-214.  
Aquaculture Data Base No.: 3941

0175 1977  
Courses in gamekeeping, waterkeeping and fish farming  
[in the United Kingdom].  
Norman, L.  
*Agric Prog (Shrewsbury)*. 52: 147-151. 1977. .)  
NAL Call No.: 10 AG86

0176 1977  
FISH FARMING: A NEED FOR CLEAR, LONG  
TERM GOVERNMENT POLICIES.  
CROSS, D.  
WORLD FISHING 26 (9), 45, 47, 49, 51.  
Aquaculture Data Base No.: 7487

0177 1977  
Fishery development of Southeast Asia. Tonan Ajia no  
gyogyo kaihatsu : ASEAN o chushin toshite.  
JAPANESE.  
Hirasawa, Yutaka  
Tokyo: Ajia Keizai Kenkyusho; 1977. 333 p.: ill., maps;  
25 cm.  
NAL Call No.: SH329.3.A84T66  
(Kenkyu sanko shiryu ; 257)  
(Includes bibliographies.)

0178 1977  
Food from the sea [Fish culture, seafoods, aquaculture].  
King, F J.  
*In McGraw-Hill Encyclopedia of Food, Agriculture  
& Nutrition*. D. N. Lapedes, ed.. p. 33-40. 1977. .)  
NAL Call No.: TX349.M2

0179 1977  
INHERENT PROBLEMS OF MARICULTURE.  
NISHIMOTO, M.  
PROCEEDINGS OF THE SECOND ANNUAL  
STUDENT SYMPOSIUM ON MARINE AFFAIRS,  
MAY 27, 1977, UNIHI-SEAGRANT-MR-77-02, 69-75.  
Aquaculture Data Base No.: 8619

0180 1977  
The International Center for Aquaculture. Annual report  
for fiscal year 1976.  
Shell, E.W..  
Auburn. 1976 (pub. 1977). 15 p. Ref.  
NAL Call No.: SH21.I5

0181 1977  
JAPANESE AND SOVIET ATTITUDES TOWARD  
AQUACULTURE.  
NISHIYAMA, T.  
AQUACULTURE NOTES. UNIVERSITY OF  
ALASKA SEA GRANT PROGRAM. SEA GRANT  
REPORT 77-2, 19P.  
Aquaculture Data Base No.: 4121

0182 1977  
LEGAL AND INSTITUTIONAL FACTORS  
AFFECTING MARICULTURE.  
MCGLEW, P.A.; BROWN, D.E.  
TEXAS COASTAL AND MARINE COUNCIL  
PUBLICATION, NOVEMBER 1977, 23P.  
Aquaculture Data Base No.: 4024

0183 1977  
MAKING AQUACULTURE WORK: PROBLEMS  
AND BENEFITS.

SISSON, J.E.  
PROCEEDINGS OF THE SECOND ANNUAL  
STUDENT SYMPOSIUM ON MARINE AFFAIRS,  
MAY 27, 1977, UNIHI-SEAGRANT-MR-77-02,  
102-109.  
Aquaculture Data Base No.: 8623

0184 1977  
MAN AND THE SEA.  
COUSTEAU, J.-Y.  
PROCEEDINGS OF THE INTERNATIONAL  
CONFERENCE, TECHNOLOGY ASSESSMENT  
AND THE OCEANS, MONOCO, 26-30 OCT. 1975,  
20-21.  
Aquaculture Data Base No.: 7475

0185 1977  
MARINE CULTURE AND ITS PROBLEMS IN  
JAPAN.  
NISHIMURA, M.  
TECHNOLOGY ASSESSMENT AND THE OCEANS,  
54-59. (REPRINT).  
Aquaculture Data Base No.: 7384

0186 1977  
A METHOD FOR DETERMINING THE LOCATION  
AND RELATIVE POTENTIAL OF AQUACULTURE  
PROJECTS.  
CORFF, N.J.; BLANSCETT, N.J.; BOULE, M.  
PROCEEDINGS OF THE EIGHTH ANNUAL  
WORKSHOP WORLD MARICULTURE SOCIETY,  
SAN JOSE, COSTA RICA. 40P.  
Aquaculture Data Base No.: 3338

0187 1977  
MMDC-HIMB COOPERATIVE AQUACULTURE  
PROGRAM: FINAL REPORT.  
MCVEY, J.P.  
UNIVERSITY OF HAWAII. SEA GRANT COLLEGE  
PROGRAM. WORKING PAPER NO.29, 14PP.  
Aquaculture Data Base No.: 7516

0188 1977  
NOAA aquaculture plan.  
Glude, John B.  
[Seattle] : The Service ; [Washington : for sale by the Supt.  
of Docs., U.S. Govt. Print. Off.],. 1977. vi, 41 p. : graphs  
; 27 cm.  
NAL Call No.: SH34.U54  
(Includes bibliographical references.)

0189 1977  
PACIFIC SEASHORES. 6. MARICULTURE.  
CAREFOOT, T.  
PACIFIC SEASHORES, UNIVERSITY OF  
WASHINGTON PRESS, 153-164.  
Aquaculture Data Base No.: 7300

0190 1977  
PRESIDENT'S REPORT - STATE OF THE  
SOCIETY.  
WEBBER, H.H.  
PROCEEDINGS OF THE EIGHTH ANNUAL  
WORKSHOP WORLD MARICULTURE SOCIETY,  
SAN JOSE, COSTA RICA. 8P.  
Aquaculture Data Base No.: 3358

0191 1977  
SOME LEGAL ASPECTS OF CATFISH AND  
CRAWFISH FARMING IN LOUISIANA: A CASE  
STUDY.



- WILLIAMS, E.; CRAIG, F.S., III; AVAULT, J.W., JR.  
LOUISIANA STATE UNIVERSITY.  
AGRICULTURAL EXPERIMENT STATION.  
BULLETIN NO. 689, 1-16.  
Aquaculture Data Base No.: 6137
- 0192 1977  
STATUS OF MARICULTURE IN EUROPE.  
DUPUY, J.  
PROCEEDINGS OF THE INTERSTATE SEAFOOD  
SEMINAR '77. OCTOBER 4-7, 1977. 109-117.  
Aquaculture Data Base No.: 7160
- 0193 1977  
STATUS OF MARICULTURE ON THE EAST  
COAST - PRESENT AND PROJECTED.  
PRATT, R.F.  
PROCEEDINGS OF THE INTERSTATE SEAFOOD  
SEMINAR '77. OCTOBER 4-7, 1977. 100-108.  
Aquaculture Data Base No.: 7161
- 0194 1977  
TODAYS YOUTH IN TOMORROW'S SEA.  
GOODWIN, H.L.L.  
OREGON STATE UNIVERSITY, EXTENSION  
MARINE ADVISORY PROGRAM, SG 45,  
ORES-U-G1-77-001, 11 PP.  
Aquaculture Data Base No.: 7380
- 0195 1977  
WEST AFRICA: ALL SET FOR EXPANSION.  
CARLETON, C.  
WORLD FISHING 26 (1), 31, 35, 37.  
Aquaculture Data Base No.: 7485
- 1976
- 0196 1976  
Annals of the 1st Nacional Meeting on Limnology, Fish  
Culture, and Continental Fishing. Anais do I Encontro  
Nacional sobre Limnologia, Piscicultura e Pesca  
Continental. POR.  
Vargas, J.I.; Loureiro C. G. C.; Milward-de-Andrade, R.,  
Belo Horizonte : Fundacao Joao Pinheiro, 1976. 601 p. :  
ill., maps.  
NAL Call No.: QH96.A3E5 1975  
(Held Sept. 15-19. Includes bibliographical references.)
- 0197 1976  
AQUACULTURE.  
BARDACH, J.E.  
MARINE ECOLOGY: SELECTED READINGS,  
443-451.  
Aquaculture Data Base No.: 7390
- 0198 1976  
Aquaculture ;; Joint hearings before the Subcommittee  
on Fisheries and Wildlife Conservation and the  
Environment and the Subcommittee on Oceanography of  
the Committee on Merchant Marine and Fisheries,  
House of Representatives, Ninety-fourth Congress, first  
and second sessions .... -.  
Washington : U.S. Govt. Print. Off., 1976. ix, 742 p. :  
ill. ; 24 cm.  
NAL Call No.: KF27.M445 1975a  
(Hearings held May 1, 1975-July 30, 1976 on H.R.  
370 and other bills. "Serial no. 94-31." Includes  
bibliographical references.)
- 0199 1976  
AQUACULTURE AND THE ALASKAN  
FISHERMAN.  
DANIEL, P.A.  
ALASKA SEA GRANT PROGRAM. CONFERENCE  
ON SALMON AQUACULTURE AND THE  
ALASKAN FISHING COMMUNITY. CORDOVA,  
ALASKA. 277-280.  
Aquaculture Data Base No.: 2777
- 0200 1976  
AQUACULTURE COMES OF AGE.  
RUTHERFORD, D.  
OCEANS 9 (5), 25-29.  
Aquaculture Data Base No.: 2992
- 0201 1976  
Aquaculture for the developing countries ;; A feasibility  
study.  
Bell, Frederick W; Canterbury, E Ray.  
Cambridge, Mass. : Ballinger Pub. Co., c1976. xviii, 266  
p. : ill. ; 23 cm.  
NAL Call No.: SH135.B44  
(Includes bibliographies and index.)
- 0202 1976  
AQUACULTURE IN HAWAII 1976. PROGRESS,  
RESOURCES AND ORGANIZATION.  
CORBIN, J.S.  
HAWAII DEPARTMENT OF PLANNING AND  
ECONOMIC DEVELOPMENT. 107P.  
Aquaculture Data Base No.: 3176
- 0203 1976  
AQUACULTURE IN THE SOUTHERN UNITED  
STATES.  
DILLON, O.W. JR.  
FAO TECHNICAL CONFERENCE ON  
AQUACULTURE. FIR:AQ/CONF/76/E.26. 5P.  
Aquaculture Data Base No.: 2693
- 0204 1976  
AQUACULTURE REVISITED.  
BARDACH, J.E.  
JOURNAL OF THE FISHERIES RESEARCH  
BOARD OF CANADA PT. 2, 33 (4), 880-887.  
Aquaculture Data Base No.: 2759
- 0205 1976  
ASPECTOS JURIDICOS, SOCIALES Y  
ECONOMICOS DE LA ACUICULTURA.  
GRANADOS, R.R.  
FAO TECHNICAL CONFERENCE ON  
AQUACULTURE. FAO/AQ/CONF/76/R.8. 6P. (IN  
SPANISH, ENGLISH ABSTRACT).  
Aquaculture Data Base No.: 2656
- 0206 1976  
Aspects of fish culture and fish breeding.  
Huisman, E A.  
Wageningen : Veenman & Zonen, 1976. 71 p. : ill. -.  
NAL Call No.: S11.W3 No.13  
(Wageningen. Landbouwhogeschool. Miscellaneous  
papers ; 13)  
(Includes bibliographies.)
- 0207 1976  
AN ASSESSMENT OF THE FISHPOND  
TECHNOLOGY AND MANAGEMENT IN THE  
PRODUCTION OF MILKFISH (BANGOS) IN THE  
PHILIPPINES - FISHPOND OPERATORS.

GENERAL AQUACULTURE

LIBRERO, A.R.; NICOLAS, E.S.; VASQUEZ, E.O.; NAZARENO, A.M.  
SOCIO-ECONOMIC SURVEY OF THE AQUACULTURE INDUSTRY IN THE PHILIPPINES. RESEARCH PAPER SERIES NO. 4. 7-12.

Aquaculture Data Base No.: 3448

0208 1976  
COMMITMENT TO WISE USE OF THE OCEANS.  
BOODA, L.L.  
SEA TECHNOLOGY 17 (6), 20-23, 25.  
Aquaculture Data Base No.: 7512

0209 1976  
Developments in aquaculture and fisheries science.  
Amsterdam, Elsevier.. 1976.  
NAL Call No.: SH1.D43

0210 1976  
THE FAO CONFERENCE AT KYOTO. NEW FOCUS ON AQUACULTURE.  
AVAVULT, J.W., JR.  
THE COMMERCIAL FISH FARMER AND AQUACULTURE NEWS 2 (5), 4-7.  
Aquaculture Data Base No.: 2754

0211 1976  
Farming the edge of the sea.  
Iversen, Edwin S.  
Farnham, Eng. : Fishing News Books., c1976. 436 p. : ill. ; 22 cm.  
NAL Call No.: SH163.I9 1976  
(Bibliography: p. 372-411. Includes index.)

0212 1976  
FARMING THE SEAS.  
BORGESE, E.M.  
OCEANS 1, 59-65.  
Aquaculture Data Base No.: 2343

0213 1976  
FIRST YEAR ACTIVITIES OF THE PRINCE WILLIAM SOUND AQUACULTURE CORPORATION.  
KOERNIG, A.; NOERENBERG, W.  
ALASKA SEA GRANT PROGRAM, CONFERENCE ON SALMON AQUACULTURE AND THE ALASKAN FISHING COMMUNITY, CORDOVA, ALASKA. 163-169.  
Aquaculture Data Base No.: 2935

0214 1976  
Food from the sea? [Fish farming].  
Allen, K R.  
Search. 7 (4): 128-131. Apr 1976. .)  
NAL Call No.: Q1.A3S4

0215 1976  
The International Center for Aquaculture. Annual report for fiscal year 1974.  
Auburn. 1974 (pub. May 1976). 11 p.  
NAL Call No.: SH21.I5

0216 1976  
MARICULTURE AS A SOURCE OF FOOD FROM THE SEA.  
MONTAGUE, F.B.

MARINE AFFAIRS JOURNAL NO.4, 42-48. (REPRINT).  
Aquaculture Data Base No.: 7422

0217 1976  
MARINE RESOURCES DEVELOPMENT AND MANAGEMENT. A REPORT ON THE WOODS HOLE OCEANOGRAPHIC INSTITUTION SEA GRANT PROGRAM JULY 1975-JUNE 1976.  
BUMPUS, D.F.  
WOODS HOLE OCEANOGRAPHIC INSTITUTION TECHNICAL REPORT WHOI-Q-76-001, 44 PP.  
Aquaculture Data Base No.: 7381

0218 1976  
THE NATIONAL AQUACULTURE ACT OF 1976 - A LAW EVOLVING.  
LEGGETT, R.L.  
FISHERIES 1 (4), 3-5.  
Aquaculture Data Base No.: 2991

0219 1976  
OVERVIEW OF F.R.E.D. ACTIVITIES.  
ROVS, R.S.  
ALASKA SEA GRANT PROGRAM, CONFERENCE ON SALMON AQUACULTURE AND THE ALASKAN FISHING COMMUNITY, CORDOVA, ALASKA. 155-162.  
Aquaculture Data Base No.: 2936

0220 1976  
PROGRESS IN TROPICAL AQUACULTURE RESEARCH.  
DAVY, F.B.; ALLSOPP, W.H.L.  
FAO TECHNICAL CONFERENCE ON AQUACULTURE. FIR/AQ/CONF/76/E.60. 5P.  
Aquaculture Data Base No.: 2809

0221 1976  
REPORT ON A STUDY TOUR OF AQUACULTURE FACILITIES IN THE UNITED STATES UNDER THE AUSPICES OF THE FULBRIGHT-HAYS SCHEME.  
TORTELL, P.  
NEW ZEALAND, VICTORIA UNIVERSITY OF WELLINGTON, UNPUBLISHED REPORT. 12P.  
Aquaculture Data Base No.: 2983

0222 1976  
RESEARCH AND EXTENSION SERVICES FOR AQUACULTURE DEVELOPMENT.  
PILLAY, T.V.R.  
FAO TECHNICAL CONFERENCE ON AQUACULTURE, FIR/AQ/CONF/76/R.38. 7P.  
Aquaculture Data Base No.: 2918

0223 1976  
ROLE OF AQUACULTURE IN WATER-RESOURCE DEVELOPMENT - A CASE STUDY OF THE LOWER MEKONG BASIN PROJECT.  
PANTULU, V.R.  
FAO TECHNICAL CONFERENCE ON AQUACULTURE. FAO:AQ/CONF/76/E.20. 9P.  
Aquaculture Data Base No.: 2673

0224 1976  
Role of fresh-water aquaculture in integrated rural development in India.  
Tripathi, S D.



*Agric Agroind J.* 9 (12): 31-32. Dec 1976. )  
NAL Call No.: S19.A32

0225 1976  
A SOCIO-ECONOMIC STUDY OF FISH PEN  
AQUACULTURE IN THE PHILIPPINES.  
SUGGESTED GOVERNMENT ASSISTANCE.  
NICOLAS, E.S.; LIBRERO, A.R.; CALLO, R.A.;  
PAMULAKLAKIN, E.R.  
SEAFDEC-PCARR RESEARCH PROGRAM.  
RESEARCH PAPER SERIES NO. 5. 143-147.  
Aquaculture Data Base No.: 3615

0226 1976  
SOVIET ICTHYOLOGY AND THE  
DEVELOPMENT OF MARINE AQUACULTURE.  
CHEPURNOV, A.V.  
JOURNAL OF ICTHYOLOGY 16 (2), 199-203.  
Aquaculture Data Base No.: 3872

0227 1976  
THE STATE OF AQUACULTURE 1975.  
PILLAY, T.V.R.  
FAO TECHNICAL CONFERENCE ON  
AQUACULTURE. FIR/AQ/CONF/76/R.36. 13P.  
Aquaculture Data Base No.: 2854

0228 1976  
STATUS OF COMMERCIAL AQUACULTURE IN  
ARKANSAS IN 1975.  
BAILEY, W.M.; GIBSON, M.D.; NEWTON, S.H.;  
MARTIN, J.M.; GRAY, D.L.  
UNPUBLISHED PAPER, 11P.  
Aquaculture Data Base No.: 4809

0229 1976  
STRATEGY FOR FUTURE DEVELOPMENT OF  
AQUACULTURE IN JAPAN.  
ASANO, I.  
FAO TECHNICAL CONFERENCE ON  
AQUACULTURE. FIR/AQ/CONF/76/E.82. 4P.  
Aquaculture Data Base No.: 2822

0230 1976  
U.S. AQUACULTURE - PRESENT STATE OF THE  
ART.  
GREENE, G.F., JR.  
MARINE TECHNOLOGY SOCIETY JOURNAL 10  
(2), 46-48.  
Aquaculture Data Base No.: 7690

0231 1976  
WHY FOOL AROUND WITH AQUACULTURE.  
HANSON, J.A.  
MARINE TECHNOLOGY SOCIETY JOURNAL 10  
(2), 49-51.  
Aquaculture Data Base No.: 7691

1975

0232 1975  
The aquacultural revolution [Cultivation of marine fish  
and shellfish for food].  
Anderson, J I W.

*Proc R Soc Lond, B Biol Sci.* 191 (1102): 169-184. Ref.  
Nov 18, 1975. )  
NAL Call No.: 501 L84B

0233 1975  
AQUACULTURE IN SASKATCHEWAN.  
SWANSON, M.E.  
SASKATCHEWAN DEPARTMENT OF TOURISM  
AND RENEWABLE RESOURCES, 1-19.  
Aquaculture Data Base No.: 6830

0234 1975  
AQUACULTURE. AN OVERVIEW.  
UNIVERSITY OF HAWAII SEA GRANT  
NEWSLETTER 5 (12), 4.  
Aquaculture Data Base No.: 2502

0235 1975  
CONSTRAINTS ON AQUACULTURE PROJECTS.  
LANDY, B.A.  
MARINE FISHERIES REVIEW 37 (1), 33-35.  
Aquaculture Data Base No.: 1583

0236 1975  
FROM FISHING TO FARMING THE SEA.  
KORRINGA, P.  
PROCEEDINGS OF THE SIXTH ANNUAL  
WORKSHOP WORLD MARICULTURE SOCIETY,  
SEATTLE, WASHINGTON, 17-29.  
Aquaculture Data Base No.: 3127

0237 1975  
INSTITUTIONAL CONSTRAINTS TO THE  
DEVELOPMENT OF AQUACULTURE.  
FOURNIER, F.  
MARINE FISHERIES REVIEW 37 (1), 31-32.  
Aquaculture Data Base No.: 1582

0238 1975  
The International Center for Aquaculture; annual report  
for fiscal year 1975 [Fisheries for growing protein,  
developing countries, programs].  
Auburn. Dec 23, 1975. 63 p. Ref.  
NAL Call No.: SH21.I5

0239 1975  
LICENSING REQUIREMENTS FOR  
AQUACULTURE.  
KLINGBIEL, J.  
UNIVERSITY OF WISCONSIN SEA GRANT  
COLLEGE PROGRAM ADVISORY REPORT 13,  
41-43.  
Aquaculture Data Base No.: 2023

0240 1975  
MARICULTURE: HOW MUCH PROTEIN AND  
FOR WHOM.  
RYTHER, J.H.  
OCEANUS 18 (2), 10-22.  
Aquaculture Data Base No.: 2178

0241 1975  
Maritime farms, the ultimate reserve of humanity?  
[Aquaculture]. L'ultime reserve de l'humanite? Les fermes  
marines. FRE.  
Haberkorn, J P.

GENERAL AQUACULTURE

*Inf Agric (Paris)*. 461: 34-36. Sept 1975. )  
NAL Call No.: HD1945.A115

0242 1975  
NORTHWEST MARICULTURE LAWS.  
DONALDSON, J.R.; HAMPSON, A.A.; SNOW, S.;  
ALVERSON, D.L.; NOVOTNY, A.J.  
OREGON STATE UNIVERSITY. SEA GRANT  
PROGRAM, ORESU-W-74-005. 31P.  
Aquaculture Data Base No.: 2356

0243 1975  
RURAL AQUACULTURE.  
JHINGRAN, V.G.  
INDIAN FARMING 25 (5), 18-19, 33.  
Aquaculture Data Base No.: 4293

0244 1975  
The sea's harvest ;; The story of aquaculture.  
Brown, Joseph E..  
New York : Dodd, Mead,. [1975]. 96 p. : ill. ; 24 cm.  
NAL Call No.: JSH138.B76  
(Includes index.)

0245 1975  
SUMMARY OF MARINE ACTIVITIES OF THE  
COASTAL PLAINS REGION.  
HILL, P.G.  
COASTAL PLAINS CENTER FOR MARINE  
DEVELOPMENT SERVICES. WILMINGTON, N.C.  
74P.  
Aquaculture Data Base No.: 2261

0246 1975  
TOWARD A PLANETARY AQUACULTURE, THE  
SEAS AS RANGE AND CROPLAND.  
JOYNER, T.  
MARINE FISHERIES REVIEW 37 (4), 5-10.  
Aquaculture Data Base No.: 3553

0247 1975  
WASHINGTON AQUACULTURE STUDIES.  
SCHRODER, S.L.; SNYDER, B.P.; BRUYA, K.J.;  
MOORE, D.D.; SALO, E.O.; RENSEL, J.E.; PEASE,  
B.C.  
UNIVERSITY OF WASHINGTON, 1974 RESEARCH  
IN FISHERIES, ANNUAL REPORT OF THE  
COLLEGE OF FISHERIES, CONTRIBUTION NO.  
415, 23-25.  
Aquaculture Data Base No.: 3687

1974

0248 1974  
AN ANALYSIS AND PROPOSAL ON THE  
AMPLIFICATION OF THE 'COMMERCIAL  
APPLICABILITY ELEMENT' IN SEA-GRANT  
AQUACULTURE RESEARCH PROGRAMS.  
CHASTON, I.  
THE SEA GRANT ASSOCIATION PROCEEDINGS  
7, 148-156.  
Aquaculture Data Base No.: 1849

0249 1974  
AQUACULTURE.  
LACKEY, R.T.

INTRODUCTORY FISHERIES SCIENCE. PAGES  
115-131. VPI-SG-74-02.  
Aquaculture Data Base No.: 2546

0250 1974  
AQUACULTURE.  
WEISBERG, J.; PARISH, H.  
INTRODUCTORY OCEANOGRAPHY. P. 261-269.  
MCGRAW-HILL BOOK COMPANY.  
Aquaculture Data Base No.: 1507

0251 1974  
AQUACULTURE IN CANADA THE PRACTICE  
AND THE PROMISE.  
MACCRIMMON, H.R.; STEWART, J.E.; BRETT, J.R.  
FISHERIES RESEARCH BOARD OF CANADA  
BULLETIN 188. 84P.  
Aquaculture Data Base No.: 540

0252 1974  
AQUACULTURE IN HAWAII.  
UNIVERSITY OF HAWAII. SEA GRANT  
PROGRAM NEWSLETTER 4 (12), 4P.  
Aquaculture Data Base No.: 2240

0253 1974  
Aquaculture in New England.  
Gates, J M.  
Kingston, R.I. : University of Rhode Island,. 1974. 77 p.  
NAL Call No.: GC1.R5 No.18  
(Rhode Island. University. Marine technical report ;  
no. 18)  
(Bibliography: p. 73-77.)

0254 1974  
AQUACULTURE IN PERSPECTIVE.  
GOODWIN, H.L.  
NATIONAL SEA GRANT CONFERENCE  
PROCEEDINGS 6, 31-40.  
Aquaculture Data Base No.: 1509

0255 1974  
AQUACULTURE IN THE NATIONAL SEA GRANT  
PROGRAM.  
WILDMAN, R.D.  
NOAA TECHNICAL REPORT NMFS CIRC-388.  
PROCEEDINGS OF THE FIRST U.S.-JAPAN  
MEETING ON AQUACULTURE. 41-56.  
Aquaculture Data Base No.: 825

0256 1974  
CATALOGUE OF CULTIVATED AQUATIC  
ORGANISMS.  
JHINGRAN, V.G.; GOPALAKRISHNAN, V.  
FAO FISHERIES TECHNICAL PAPER NO. 131.  
FIRI/T130. 83P.  
Aquaculture Data Base No.: 1733

0257 1974  
COASTAL AQUACULTURE AND ENVIRONMENT  
IN THE PHILIPPINES.  
LESACA, R.M.  
INDO-PACIFIC FISHERIES COUNCIL  
PROCEEDINGS, 15TH SESSION. SECTION II,  
COASTAL AQUACULTURE AND ENVIRONMENT.  
37-44.  
Aquaculture Data Base No.: 808



- 0258 1974  
The Commercial fish farmer & aquaculture news.  
Little Rock, Catfish Farmers of America.. 1974.  
NAL Call No.: SH1.C65  
(Formed by the union of American fishes and U.S.  
trout news (SH1.A43), The Catfish farmer & world  
aquaculture news (SH1.C3), and Fish farming industries  
(Not in NAL).)
- 0259 1974  
COORDINATION OF MARINE-RELATED HIGHER  
EDUCATION IN NASSAU AND SUFFOLK  
COUNTIES.  
BRENNAN, D.J.  
NEW YORK SEA GRANT INSTITUTE, FINAL  
REPORT NYSSGP-RS-75-005, 78 PP.  
Aquaculture Data Base No.: 7860
- 0260 1974  
DEVELOPMENT OF A MARINE AQUACULTURE  
RESEARCH COMPLEX.  
HUGUENIN, J.E.  
AMERICAN SOCIETY OF AGRICULTURAL  
ENGINEERS 1974 ANNUAL MEETING PAPER NO.  
74-5009. 16P.  
Aquaculture Data Base No.: 2066
- 0261 1974  
Farming the sea--new horizons in food production.  
[Fishery products, seaweeds].  
Pariser, E R.  
*Food Prod Dev.* 8 (9): 43-44, 46. Ref. Nov 1974. .)  
NAL Call No.: HD9000.1.F64
- 0262 1974  
Fish farming or aquaculture can meet future demand for  
protein-rich food.  
*Agric Newsl Neth.* 6: 1-4. 1974. .)  
NAL Call No.: 12 AG8
- 0263 1974  
KEYNOTE ADDRESS.  
LING, S.W.  
PROCEEDINGS OF THE FIFTH ANNUAL  
WORKSHOP WORLD MARICULTURE SOCIETY,  
CHARLESTON, SOUTH CAROLINA. 19-25.  
Aquaculture Data Base No.: 2797
- 0264 1974  
NEED FOR PILOT DEMONSTRATION PROJECTS  
IN AQUACULTURE.  
FRYER, J.L.; BULLOCK, G.L.  
NATIONAL SEA GRANT CONFERENCE  
PROCEEDINGS 6, 55-57.  
Aquaculture Data Base No.: 1521
- 0265 1974  
THE NEW YORK AQUACULTURE PROGRAM -  
PAST, PRESENT, AND FUTURE.  
TERRY, O.W.  
NEW YORK SEA GRANT INSTITUTE REPORT  
NYSSGP-RS-74-018. 16P.  
Aquaculture Data Base No.: 1808
- 0266 1974  
OBJECTIVES OF AQUACULTURE. FROM  
PROFITS TO SUSTENANCE.  
RORHOLM, N.
- NATIONAL SEA GRANT CONFERENCE  
PROCEEDINGS 6, 58-61.  
Aquaculture Data Base No.: 1523
- 0267 1974  
ON BECOMING A MARICULTURIST.  
DONALDSON, J.R.  
NATIONAL SEA GRANT CONFERENCE  
PROCEEDINGS 6, 41-47.  
Aquaculture Data Base No.: 1510
- 0268 1974  
PHYSICAL OCEANOGRAPHY AND GEOLOGY.  
STROUP, E.D.; SMITH, S.V.  
OPEN SEA MARICULTURE. PERSPECTIVES,  
PROBLEMS, AND PROSPECTS. P. 61-105.  
DOWDEN, HUTCHINSON AND ROSS, INC.,  
STROUDSBURG, PENNSYLVANIA.  
Aquaculture Data Base No.: 2121
- 0269 1974  
REVIEW OF COASTAL WATER RESOURCES IN  
RELATION TO COASTAL AQUACULTURE.  
DJAJADIREDA, R.; PURNOMO, A.  
INDO-PACIFIC FISHERIES COUNCIL  
PROCEEDINGS, 15TH SESSION. SECTION III,  
SYMPOSIUM ON COASTAL AND HIGH SEAS  
PELAGIC RESOURCES. 159-172.  
Aquaculture Data Base No.: 1171
- 0270 1974  
THE ROLE OF AQUACULTURE IN FOOD  
PRODUCTION.  
AVALT, J.W., JR.  
THE COMMERCIAL FISH FARMER AND  
AQUACULTURE NEWS 1 (1), 44-45.  
Aquaculture Data Base No.: 1015
- 0271 1974  
THE STATUS OF MARINE DEVELOPMENT IN  
JAPAN.  
OHMURA, T.  
MARINE TECHNOLOGY SOCIETY JOURNAL 8  
(1), 29-33.  
Aquaculture Data Base No.: 7808
- 0272 1974  
WHO SHOULD DO WHAT IN AQUACULTURE.  
SCHONING, R.W.  
NATIONAL SEA GRANT CONFERENCE  
PROCEEDINGS 6, 48-54.  
Aquaculture Data Base No.: 1522
- 1973
- 0273 1973  
AQUACULTURE AND LAND RECLAMATION.  
ENERGY AND DEVELOPMENT. A CASE STUDY.  
SEIFERT, W.W.; BAKR, M.A.; KETTANI, M.A.  
MASSACHUSETTS INSTITUTE OF TECHNOLOGY.  
SEA GRANT PROJECT. MITSG 72-16. REPORT NO.  
25. 251-259.  
Aquaculture Data Base No.: 2427
- 0274 1973  
AQUACULTURE IN ALASKA.  
KELLEY, E.J.; HOOD, D.W.



GENERAL AQUACULTURE

UNIVERSITY OF ALASKA. INSTITUTE OF MARINE SCIENCE PUBLIC INFORMATION BULLETIN 73-1. 20P.  
Aquaculture Data Base No.: 1812

0275 1973  
AQUACULTURE IN PERSPECTIVE.  
GOODWIN, H.L.  
PAPER PRESENTED AT THE SEA GRANT ASSOCIATION MEETING, OCT. 1973, U. S. DEP. COMMER., NATL. OCEAN. ATMOS. ADM., SEA GRANT PROGR., 17 PP.  
Aquaculture Data Base No.: 5210

0276 1973  
AQUACULTURE IN THE SOVIET UNION.  
DORYSHEV, S.  
MARINE FISHERIES REVIEW 35 (10), 42-43.  
Aquaculture Data Base No.: 1855

0277 1973  
THE AQUACULTURE STATE OF THE ART: COMMENTS ON PROBLEMS AND PROGRESS.  
GOODWIN, H.L.  
PRESENTED AT FISH EXPO, NEW ORLEANS, LA., NOV. 26, 1973, UNPUBL., 15 PP.  
Aquaculture Data Base No.: 5211

0278 1973  
Aquaculture: A new source of food proteins.  
Aquaculture: Source nouvelle de proteines alimentaires.  
FRE.  
Rouzaud, P.  
*Bull Soc Sci Hyg Aliment.* 61 (1): 18-31. 1973. )  
NAL Call No.: 389.9 SO1B

0279 1973  
Fish as a 4-H pet project.  
1973: 2 p.  
NAL Call No.: S533.F6618  
Document available from: Publications Distribution, Iowa State University, Ames, Iowa 50011. Publication intended for: Member, Elementary, Junior, and Senior High Levels. Learning experience: Knowledge, skills, practices.

0280 1973  
GENERAL SITUATION OF AQUACULTURE IN FRANCE.  
ROUZAUD, P.  
BRACKISHWATER AQUACULTURE IN THE MEDITERRANEAN REGION, FAO, GENERAL FISHERIES COUNCIL FOR THE MEDITERRANEAN, STUD. REV. (52), 25-33.  
Aquaculture Data Base No.: 5246

0281 1973  
HOW CAN AQUACULTURE HELP TO PRESERVE AND BUILD ALASKA'S FISHERIES.  
JOYNER, T.  
PAPER PRESENTED TO THE WORKSHOP ON AQUACULTURE POTENTIAL IN ALASKA, SITKA, APRIL 10-13, 1973. NATL. MAR. FISH. SERV., NW FISH. CENT., 6 PP.  
Aquaculture Data Base No.: 5086

0282 1973  
IMPROVED MARINE INVERTEBRATE AQUACULTURE.  
NAKATANI, R.E.

UNIVERSITY OF WASHINGTON. SEA GRANT PROJECT PROPOSAL. WASHU-P-73-001. 2P.  
Aquaculture Data Base No.: 2316

0283 1973  
MARICULTURE AND AQUACULTURE.  
BROWN, E.E.  
FOOD TECHNOLOGY 27 (12), 60-66.  
Aquaculture Data Base No.: 4897

0284 1973  
MARINE AQUACULTURE - PROBLEMS AND PROSPECTS.  
IDYLL, C.P.  
FAO. TECHNICAL CONFERENCE ON FISHERY MANAGEMENT AND DEVELOPMENT, TECHNICAL SESSION III, VANCOUVER, FAO 22775. 9P.  
Aquaculture Data Base No.: 1950

0285 1973  
MARINE AQUACULTURE. PROBLEMS AND PROSPECTS.  
IDYLL, C.P.  
JOURNAL OF THE FISHERIES RESEARCH BOARD OF CANADA PT. 2, 30 (12), 2178-2183.  
Aquaculture Data Base No.: 1517

0286 1973  
Production and conservation of fish and shellfish in Puerto Rico.  
Ting, R Y.  
*In Chichester, C. O., comp. Microbial Safety of Fishery Products.* p. 303-308. 1973. )  
NAL Call No.: RA602.F5C5

0287 1973  
Protein crisis and aquaculture.  
Prasad, R R.  
*Indian Farming.* 23 (6): 5, 38. Sept 1973. )  
NAL Call No.: 22 IN283

0288 1973  
REPORT ON A SURVEY OF PRESENT RESEARCH ACTIVITIES IN THE FIELD OF AQUACULTURE IN THE EIFAC REGION.  
TIEWS, K.  
FAO. EUROPEAN INLAND FISHERIES ADVISORY COMMISSION, ROME, FAO 22380. 72P.  
Aquaculture Data Base No.: 1953

0289 1973  
THE ROLE OF AQUACULTURE IN FISHERY DEVELOPMENT AND MANAGEMENT.  
PILLAY, T.V.R.  
JOURNAL OF THE FISHERIES RESEARCH BOARD OF CANADA PT. 2, 30 (12), 2202-2217.  
Aquaculture Data Base No.: 1516

0290 1973  
Struggle against world hunger: protein deficiency and fish-culture. La lutte contre la faim dans le monde ;; Deficit proteique et pisciculture. FRE.  
Halain, C P.

Bruxelles : Centre de documentation Economique et sociale africaine. 1973. 65 p. : ill. ; 25 cm. -.

NAL Call No.: SH121.H34

(Monographies documentaires ; fasc. 3)

(Bibliography: p. 60-62.)

1972

0291

1972

Aquacultural developments in Peru.

Moss, D D.

Auburn. 1972. 51 p. illus.

NAL Call No.: SH247.M6

(Project: A.I.D./csd-2270. Bibliography: p. 45)

0292

1972

Aquacultural survey in Japan.

Schmittou, H R.

Auburn, Ala. [Auburn University]. 1972. 68 p. illus.

NAL Call No.: SH109.S35

(Project no. A.I.D./csd-2780)

0293

1972

Aquaculture.

Amsterdam, Elsevier. 1972.

NAL Call No.: SH1.A6

0294

1972

Aquaculture and mariculture: protein potentials.

Poppensiek, G C.

*Amer Vet Med Assoc J.* 161 (11): 1467-1475. Ref. Dec

1, 1972. .)

NAL Call No.: 41.8 AM3

0295

1972

AQUACULTURE IN THE NATIONAL SEA GRANT PROGRAM.

WILDMAN, R.D.

NATL. OCEAN. ATMOS. ADM., OFF. SEA GRANT, UNPUBL.; 29 PP.

Aquaculture Data Base No.: 5261

0296

1972

AQUACULTURE POSSIBILITIES IN SOME ISLANDS OF THE SOUTH PACIFIC.

VILLALUZ, D.K.

FAO. SOUTH PACIFIC ISLANDS FISHERIES

DEVELOPMENT PROGRAM, DP/RAS/69/102/12.

FAO 22395. 51P.

Aquaculture Data Base No.: 1884

0297

1972

AQUACULTURE RESEARCH AT THE SKIDAWAY INSTITUTE OF OCEANOGRAPHY.

ANDREWS, J.

NATIONAL SEA GRANT CONFERENCE

PROCEEDINGS 4, 103-108.

Aquaculture Data Base No.: 1455

0298

1972

AQUACULTURE SUSTAINS L.I. SOUND SHELLFISHERY.

COFFEY, B.T.

NATIONAL FISHERMAN 52 (2), A-12,A-26.

Aquaculture Data Base No.: 404

0299

1972

AQUACULTURE. FARMING IN WATER.

WOLFE, L.

AQUACULTURE. FARMING IN WATER. G.P.

PUTNAM'S SONS, NEW YORK. 107P.

Aquaculture Data Base No.: 1487

0300

1972

AQUACULTURE. PROBLEMS WITH THE PROMISE.

PENNINGTON, H.P.

OCEANS 5 (1), 42-49.

Aquaculture Data Base No.: 2064

0301

1972

Aquaculture; The farming and husbandry of freshwater and marine organisms [by] John E. Bardach, John H. Ryther and William O. McLarney.

Bardach, John E; Ryther, John H; McLarney, William O.

New York, Wiley-Interscience. [1972]. xii, 868 p. illus.

NAL Call No.: SH135.B37

(Includes bibliographies.)

0302

1972

Aquaculture: farming in water.

Wolfe, Louis.

New York, G. P. Putnam. [c1972]. 107 p. illus.

NAL Call No.: jSH151.W65

(Bibliography: p. 103-104)

0303

1972

ECONOMICS OF AQUACULTURE DEVELOPMENT.

DAVIDSON, J.R.

PROCEEDINGS, FOURTH NATIONAL SEA GRANT CONFERENCE, MADISON, WIS., OCT. 12

TO 13, 1972, UNIV. WIS. SEA GRANT

COMMUNICATIONS OFF., SEA GRANT PUBL.

WIS-SG-72-112., PP. 75-83.

Aquaculture Data Base No.: 5201

0304

1972

FARMING THE SEA.

HORSFIELD, B.; STONE, P.B.

THE GREAT OCEAN BUSINESS. P. 267-283.

HODDER AND STOUGHTON, LONDON.

Aquaculture Data Base No.: 1508

0305

1972

Feasibility studies in aquaculture.

Ball, J L.

*Hawaii Univ Ext Misc Publ.* 93: 71-73. July 1972. .)

NAL Call No.: S544.3.H3H3

0306

1972

Fisheries of Turkey.

Swingle, Homer Scott.

Auburn, Ala., International Center for Aquaculture.

1972. 22 p. illus.

NAL Call No.: SH291.S9

(Project: A.I.D./csd-2270. Bibliography: p. 22.)

0307

1972

Kauai Aquaculture Conference, Lihue, Kauai, Hawaii ;;

Proceedings. -.



**GENERAL AQUACULTURE**

[Honolulu?] : Office of Economic Development, County of Kauai. [1972?]. 39 leaves.  
NAL Call No.: SH133.K3 K3 1972

**0308** 1972  
**LEGAL AND ADMINISTRATIVE ASPECTS OF AN AQUACULTURE POLICY FOR HAWAII: AN ASSESSMENT.**  
TRIMBLE, G.M.  
HAWAII, DEP. PLAN. ECON. DEV., CENT. SCI. POLICY TECH. ASSESSMENT, AND WEST. INTERSTATE COMM. HIGHER EDUC., RESOUR. DEV. INTERNSHIP PROGR., 61 PP.  
Aquaculture Data Base No.: 5258

**0309** 1972  
**MARICULTURE COMES OF AGE.**  
GORDON, H.S.  
CHEMICAL ENGINEERING 79 (17), 26-28.  
Aquaculture Data Base No.: 384

**0310** 1972  
**PRESENT STATE OF COASTAL AQUACULTURE IN YUGOSLAVIA.**  
MOROVIC, D.  
FAO 18941. 1P.  
Aquaculture Data Base No.: 1952

**0311** 1972  
**PRESENT STATUS AND FUTURE PROSPECTS OF INVERTEBRATE MARICULTURE IN JAPAN.**  
IMAI, T.  
PROGRESS IN FISHERY AND FOOD SCIENCE. UNIV. WASH. PUB. FISH. NEW SER. 5, 181-185.  
Aquaculture Data Base No.: 1249

**0312** 1972  
**PROBLEMS AND PRIORITIES IN AQUACULTURAL DEVELOPMENT.**  
PILLAY, T.V.R.  
PROGRESS IN FISHERY AND FOOD SCIENCE. UNIV. WASH. PUB. FISH. NEW SER. 5, 203-208.  
Aquaculture Data Base No.: 1246

**0313** 1972  
**RAMBLING ALONG.**  
PREWITT, R.  
AMER. FISH FARMER WORLD AQUACULT. NEWS 3(7), 16-19.  
Aquaculture Data Base No.: 5241

**0314** 1972  
**SOME REMARKS ON AQUACULTURE.**  
BARDACH, J.  
PROCEEDINGS, FOURTH NATIONAL SEA GRANT CONFERENCE, MADISON, WIS., OCT. 12 TO 13, 1972, UNIV. WIS., SEA GRANT COMMUNICATIONS OFF., SEA GRANT PUBL. WIS-SG-72-112, PP. 83-88.  
Aquaculture Data Base No.: 5189

**0315** 1972  
**SUCCESSFUL FIRST STEPS LAY BASE FOR COMMERCIAL ME. AQUACULTURE.**  
MYERS, E.A.

**NATIONAL FISHERMAN. APRIL. C-1, C-23.**  
Aquaculture Data Base No.: 268

**0316** 1972  
**A WORKING BIBLIOGRAPHY OF MAINE AQUACULTURE.**  
HIDU, H.  
UNIVERSITY OF MAINE SEA GRANT PROGRAM MEU-L-72-001. 94P.  
Aquaculture Data Base No.: 2443

1971

**0317** 1971  
**THE ACADEMIC-INDUSTRIAL RELATIONSHIP IN MARICULTURE.**  
MULVIHILL, P.  
PROCEEDINGS OF THE SECOND ANNUAL WORKSHOP WORLD MARICULTURE SOCIETY. GALVESTON, TEXAS. 93-95.  
Aquaculture Data Base No.: 1663

**0318** 1971  
**AQUACULTURE: A NEW ENGLAND PERSPECTIVE.**  
GAUCHER, T.A.  
UNIV. R.I., NARRAGANSETT, R.I., NEW ENGL. MAR. RESOUR. INFORM. PROGR., (NEMRIP), 119 PP.  
Aquaculture Data Base No.: 5209

**0319** 1971  
**BIBLIOGRAPHY OF AQUACULTURE.**  
HAMMACK, G.  
COASTAL PLAINS CENTER FOR MARINE DEVELOPMENT SERVICES. WILMINGTON, N.C. 245P.  
Aquaculture Data Base No.: 233

**0320** 1971  
**CONFERENCE RECOMENDATIONS.**  
HORTON, D.B.  
AQUACULTURE - A NEW ENGLAND PERSPECTIVE, NEMRIP SEA GRANT, UNIV. R.I. 1-6.  
Aquaculture Data Base No.: 229

**0321** 1971  
**CZECHOSLOVAK FISHERY AND PISCICULTURAL RESEARCH.**  
KRUPAUER, V.  
PROCEEDINGS, SYMPOSIUM ON NEW WAYS OF FRESHWATER FISHERY INTENSIFICATION, CESKE BUDEJOVICE, SEPT. 22-24, 1971. VODNANY, CZECH., FISH. RES. INST., PP. 110-124.  
Aquaculture Data Base No.: 5223

**0322** 1971  
**A GENERAL LEGAL PERSPECTIVE.**  
HENRY, H.P.  
THOMAS A. GAUCHER, EDITOR, AQUACULTURE, A NEW ENGLAND PERSPECTIVE, NEW ENGL. INFORM. PROGR., PP. 51-56.  
Aquaculture Data Base No.: 5214

**0323** 1971  
**HAWAII AND AQUACULTURE: THE BLUE REVOLUTION.**



PRYOR, T.A.  
HAWAII DEP. PLAN. ECON. DEV., 13 PP.  
Aquaculture Data Base No.: 5244

0324 1971  
HUGE POTENTIAL SEEN FOR MAINE  
AQUACULTURE.  
DOW, R.L.  
NATIONAL FISHERMAN FEB-MARCH 1971. 4P.  
Aquaculture Data Base No.: 2549

0325 1971  
Hunters, fishers and farmers of Eastern Europe,  
6000-3000 B. C.  
Tringham, Ruth.  
London, Hutchinson. 1971. 240 p. illus., maps.  
NAL Call No.: GN776.22.E8T7  
(Bibliography: p. [225]-232)

0326 1971  
IMPROVING PRODUCTIVITY OF  
WASHINGTON'S WATER RESOURCES THROUGH  
AQUACULTURE.  
JOYNER, T.; RICHARDS, J.A.; TANONAKA, G.A.  
U.S. DEP. COMMER., NATL. MAR. FISH. SERV.,  
NW. FISH. CENT., UNPUBL. MANUSCR., 27 PP.  
Aquaculture Data Base No.: 5221

0327 1971  
KEYNOTE ADDRESS. THE FUTURE OF  
AQUACULTURE - A MANIC-DEPRESSIVE VIEW.  
ABEL, R.B.  
PROCEEDINGS OF THE SECOND ANNUAL  
WORKSHOP WORLD MARICULTURE SOCIETY.  
GALVESTON, TEXAS. 13-19.  
Aquaculture Data Base No.: 1350

0328 1971  
MASSACHUSETTS SOLONS STUDY PROPOSED  
AQUACULTURE LAW.  
BLUMBERG, R.C.  
AMER. FISH FARMER WORLD AQUACULT.  
NEWS 2(9), 5, 22.  
Aquaculture Data Base No.: 5193

0329 1971  
PART ONE. THE AQUACULTURE COMPONENT.  
SAVAGE, P.M.  
MAINE COASTAL RESOURCES RENEWAL.  
STATE PLANNING OFFICE. 46P.  
Aquaculture Data Base No.: 2723

0330 1971  
A SPECIFIC LEGAL PERSPECTIVE: FLORIDA.  
COWAN, D.  
THOMAS A. GAUCHER, EDITOR,  
AQUACULTURE, A NEW ENGLAND  
PERSPECTIVE, NEW ENGL. RESOUR. PROGR.,  
PP. 57-70.  
Aquaculture Data Base No.: 5198

0331 1971  
A TECHNOLOGICAL PERSPECTIVE.  
GAUCHER, T.A.

AQUACULTURE - A NEW ENGLAND  
PERSPECTIVE, NEMRIP SEA GRANT, UNIV. R.I.  
7-18.  
Aquaculture Data Base No.: 230

0332 1970  
Agricultural research index; A guide to agricultural  
research including dairy farming, fisheries, food,  
forestry, horticulture, and veterinary science. 5th ed.  
[Guernsey, Gt. Brit.] Francis Hodgson. [1970]. 2 v.  
NAL Call No.: S408.A3 1970  
REF.

0333 1970  
AQUACULTURE AND THE LAW.  
KANE, T.  
SEA GRANT TECHNICAL BULLETIN NUMBER 2,  
UNIVERSITY OF MIAMI. 98P.  
Aquaculture Data Base No.: 539

0334 1970  
AQUACULTURE AND THE LAW.  
SHIELDS, H.W.  
UNIVERSITY OF MIAMI. GULF AND  
CARIBBEAN FISHERIES INSTITUTE  
PROCEEDINGS 22, 61-64.  
Aquaculture Data Base No.: 1635

0335 1970  
AQUACULTURE IN FLORIDA.  
TUBIASH, H.S.  
FLORIDA DEPARTMENT OF COMMERCE.  
MARINE SCIENCE AND TECHNOLOGY  
SECTION, TALLAHASSEE. 10P.  
Aquaculture Data Base No.: 1782

0336 1970  
COASTAL AQUACULTURE IN VIETNAM.  
LE-VAN-DANG  
COASTAL AQUACULTURE IN THE  
INDO-PACIFIC REGION. P. 105-108. FISHING  
NEWS (BOOKS) LTD., LONDON.  
Aquaculture Data Base No.: 768

0337 1970  
FUTURE MARINE EXPLOITATION (B). GENESIS  
OF A "SEA-FARMING" TECHNOLOGY.  
RUSSELL-HUNTER, W.D.  
AQUATIC PRODUCTIVITY. P. 274-286. THE  
MACMILLAN COMPANY, NEW YORK.  
Aquaculture Data Base No.: 1149

0338 1970  
The International Center for Aquaculture.  
Auburn, Ala. 1970. 16 p. illus.  
NAL Call No.: SH35.A6A4

0339 1970  
MARICULTURE IN THE UNITED STATES - AN  
OVERVIEW.  
AVAUULT, J.W., JR.; ALLEN, K.O.

GENERAL AQUACULTURE

COASTAL STUDIES BULLETIN NO. 5. SPECIAL  
SEA GRANT ISSUE. 1-3.  
Aquaculture Data Base No.: 6139

0340 1970  
MARICULTURE: AN INFANT INDUSTRY WITH A  
GREAT POTENTIAL.  
ALLEN, K.O.  
FISH FARMING IND. 1(3), 14-16.  
Aquaculture Data Base No.: 5170

0341 1970  
A PARTIAL BIBLIOGRAPHY OF MARINE  
AQUACULTURE.  
KELLY, E.W.  
UNIVERSITY OF MARYLAND NATURAL  
RESOURCES INSTITUTE. CBL REF. NO. 70-91. 30P.  
Aquaculture Data Base No.: 1777

0342 1970  
PRESENT STATUS OF JAPANESE MARINE  
AQUACULTURE.  
FURUKAWA, A.  
COASTAL AQUACULTURE IN THE  
INDO-PACIFIC REGION. P. 29-47. FISHING NEWS  
(BOOKS) LTD., LONDON.  
Aquaculture Data Base No.: 761

0343 1970  
REVIEW OF RECENT PROGRESS IN COASTAL  
AQUACULTURE IN THE UNITED STATES.  
UCHIDA, R.N.  
COASTAL AQUACULTURE IN THE  
INDO-PACIFIC REGION. P. 84-104. FISHING  
NEWS (BOOKS) LTD., LONDON.  
Aquaculture Data Base No.: 767

0344 1970  
A REVIEW OF THE STATUS AND PROBLEMS OF  
COASTAL AQUACULTURE IN THE  
INDO-PACIFIC REGION.  
LING, S.W.  
COASTAL AQUACULTURE IN THE  
INDO-PACIFIC REGION. P. 2-25. FISHING NEWS  
(BOOKS) LTD., LONDON.  
Aquaculture Data Base No.: 759

0345 1970  
THE SEA FARMERS.  
WALTERS, J.F.  
HASTINGS HOUSE, NEW YORK. 120P.  
Aquaculture Data Base No.: 293

0346 1970  
SEA FISHERIES AND AGRICULTURE:  
COMPARISON OF TWO FIELDS OF ECONOMY  
(RYBOLOWSTWO MORSKIE AN  
ROLNICTWO-POROWNANIE  
MIEDZYGALAZIOWE).  
OKOLO-KULAK, S.  
TECH. GOSP. MORSKA 20(2), 63-65. (COPY OF  
TRANSLATION AVAILABLE ON LOAN FROM  
NMFS.).  
Aquaculture Data Base No.: 5233

0347 1970  
STATUS AND PROBLEMS OF COASTAL  
AQUACULTURE IN THAILAND.  
ARPORNA-SRIBHIBHADH

COASTAL AQUACULTURE IN THE  
INDO-PACIFIC REGION. P. 74-83. FISHING NEWS  
(BOOKS) LTD., LONDON.  
Aquaculture Data Base No.: 766

0348 1970  
STATUS AND PROBLEMS OF COASTAL  
AQUACULTURE IN THE PHILIPPINES.  
BLANCO, G.J.  
COASTAL AQUACULTURE IN THE  
INDO-PACIFIC REGION. P. 60-77. FISHING NEWS  
(BOOKS) LTD., LONDON.  
Aquaculture Data Base No.: 764

1969

0349 1969  
EVOLUTION OF PUBLIC POLICIES AFFECTING  
EXCLUSIVE USE OF COASTAL ZONE FISHERY  
RESOURCES: A COMPARISON OF PUBLIC  
POLICIES OF JAPAN AND THE UNITED STATES  
WITH IMPLICATIONS ON THE STATUS AND  
POTENTIAL OF AQUACULTURE IN HAWAII.  
RUTKA, J.  
UNIV. HAWAII, DEP. AGRI. ECON., UNPUBL.  
PAPER, 27 PP.  
Aquaculture Data Base No.: 5247

0350 1969  
The fresh water cultured fish industry of Japan.  
Brown, E E.  
*Ga Agr Exp Sta Res Rep.* 41, 57 p. map. Mar 1969. )  
NAL Call No.: S51.E22  
(Bibliography: p. 57.)

0351 1969  
URI adapts agricultural practices to development of  
aquaculture.  
Salomon, M.  
*R I Agr.* 15(3):6-7. June 1969. )  
NAL Call No.: 100 R342

1968

0352 1968  
THE J.H.BARDACH, AND POTENTIAL OF  
AQUACULTURE, PARTS 1, 2 AND 3.  
RYTHER, J.H.; BRADACH, J.E.  
CLEARINGHOUSE FED. SCI. TECH. INFORM., 531  
PP. (THE PUBLISHER SUPPLIES VOL. 1,  
CONTAINING PARTS 1 AND 2 AS PB 177 767,  
AND VOL. 2, CONTAINING PARTS 1 AND 3 AS  
PB 177 768.).  
Aquaculture Data Base No.: 5248

1961

0353 1961  
INLAND WATER FISHING IN COMMUNIST  
CHINA.  
ASAKAWA, K.  
DEVELOPMENT OF THE FISHING INDUSTRY IN  
COMMUNIST CHINA, PP. 24-45. (COPY OF  
TRANSLATION AVAILABLE ON LOAN FROM  
NMFS.).  
Aquaculture Data Base No.: 5188



## 2: BIOLOGY AND BEHAVIOR

1982

0355 1982

**Application of thyroid and steroid hormones as anabolic agents in fish culture.**

Higgs, D.A.; Fagerlund, U.H.M.; Eales, J.G.; McBride, J.R.

Comparative biochemistry and physiology. B: Comparative biochemistry; v. 73, (1), p. 143-176. ill. 1982. (Oxford, Eng.: Pergamon Press.)

NAL Call No.: QP501.C6

(6 p. ref.)

0356 1982

**Carp horizontal cells in culture respond selectively to L-glutamate and its agonists (Cyprinus carpio).**

Lasater, E.M.; Dowling, J.E.

Proceedings of the National Academy of Sciences of the United States of America; v. 79, (3), p. 936-940. Feb 1982. (Washington, D.C.: The Academy.)

NAL Call No.: 500 N21P

(Includes 31 ref.)

0357 1982

**The development of the stratum granulosum of the small intestine of the rainbow trout (Salmo gairdneri).**

Bergeron, T.; Woodward, B.

Canadian journal of zoology = Journal canadien de zoologie; v. 60, (6), p. 1513-1516. ill. June 1982. (Ottawa, Can.: National Research Council of Canada.)

NAL Call No.: 470 C16D

(9 ref.)

0358 1982

**The effect of pH and calcium on fish and fisheries (Water pollution effects, toxicity).**

Brown, D.J.A.

Water, air, and soil pollution; v. 18, (1/3), p. 343-351. July/Oct 1982. (Dordrecht, Holland: D. Reidel Pub. Co.)

NAL Call No.: TD172.W36

(2 p. ref.)

0359 1982

**Effects of steroids on gonadotropic (GTH) cells in the pituitary of rainbow trout, Salmo gairdneri, shortly after hatching.**

Hurk, R. van den

Cell and tissue research; v. 224, (2), p. 361-368. ill. 1982. (Berlin: Springer.)

NAL Call No.: QH581.A1Z4

(2 p. ref.)

0360 1982

**Fish cell culture: initiation of a line of pituitary cells from carp (Cyprinus carpio) to study the release of gonadotropin in vitro.**

Ribeiro, L.; Ahne, W.

In vitro; journal of the Tissue Culture Association; v. 18, (5), p. 419-420. May 1982. (Gaithersburg, Md.: The Association.)

NAL Call No.: QH585.A1I58

(15 ref.)

0361 1982

**Induction of a novel set of polypeptides by heat shock or sodium arsenite in cultured cells of rainbow trout, Salmo gairdnerii.**

Kothary, R.K.; Candido, E.P.M.

Canadian journal of biochemistry = Journal canadien de biochimie; v. 60, (3), p. 347-355. ill. Mar 1982. (Ottawa: National Research Council of Canada.)

NAL Call No.: 470 C16E

(Includes 40 ref.)

0362 1982

**Intracellular pH and the metabolic status of dormant and developing Artemia salina embryos (Brine shrimp, from Great Salt Lake, Utah, Anaerobic dormancy).**

Busa, W.B.; Crowe, J.H.; Matson, G.B.

Archives of biochemistry and biophysics; v. 216, (2), p. 711-718. ill. July 1982. (New York: Academic Press.)

NAL Call No.: 381 AR2

(1 ref.)

0363 1982

**A method to estimate the stock-recruitment relationship of shrimps (Penaeus indicus, marine areas, Thailand).**

Pauly, D.

Transactions of the American Fisheries Society; v. 111, (1), p. 13-20. ill. Jan 1982. (Lawrence, Kan.: The Society)

NAL Call No.: 414.9 AM3

(Includes 2 p. ref.)

0364 1982

**Microbial changes occurring at the sediment-water interface in an intensively stocked and fed fish pond.**

Ram, N.M.; Zur, O.; Avnimelech, Y.

Aquaculture; v. 27, (1), p. 63-72. ill. Feb 1982. (Amsterdam: Elsevier Scientific Publishing.)

NAL Call No.: SH1.A6

(Includes 16 ref.)

0365 1982

**Morphometric characterization of a small-sized strain of Brachionus plicatilis in culture.**

Yufera, M.

Aquaculture; v. 27, (1), p. 55-61. ill. Feb 1982. (Amsterdam: Elsevier Scientific Publishing.)

NAL Call No.: SH1.A6

(Includes 11 ref.)

0366 1982

**Movements of hatchery-reared rainbow, brook, and brown trout stocked in a Virginia mountain stream (Salmo gairdneri, Salvelinus fontinalis, Salmo trutta).**

Helfrich, L.A.; Kendall, W.T.



The Progressive fish culturist; v. 44, (1), p. 3-7. ill. Jan 1982. ((s.l.): United States Fish and Wildlife Service.)  
NAL Call No.: 157.5 P94  
(Includes 33 ref.)

0367 1982  
Physiological observations on developing rainbow trout, *Salmo gairdneri* (Richardson), exposed to low pH and varied calcium ion concentrations (Water pollutant, toxicity, Washington).  
Nelson, J.A.  
Journal of fish biology; v. 20, (3), p. 359-372. ill. Mar 1982. (London: Academic Press.)  
NAL Call No.: QL614.J68  
(Includes 4 p. ref.)

0368 1982  
Physiology of muscle in hatchery raised fish.  
Johnston, I.A.  
Comparative biochemistry and physiology. B: Comparative biochemistry; v. 73, (1), p. 105-124. ill. 1982. (Oxford, Eng.: Pergamon Press.)  
NAL Call No.: QP501.C6  
(4 p. ref.)

0369 1982  
Planktonic infusoria of the Kura hatchery ponds.  
Aleksperov, I.Kh.; Kryuchkov, V.I.  
Hydrobiological journal; v. 17, (2), p. 18-21. 1981 (pub. 1982). (Silver Spring, Md: Scripta.)  
NAL Call No.: QH90.A1H93  
Translated from: *Gidrobiologicheskii zhurnal*. (QH90.A1G5).  
(11 ref.)

0370 1982  
Productivity relations in seawater fish ponds: a comparison of stocked and unstocked ponds.  
Motzkin, F.; Cohen, Y.; Gordin, H.; Padan, E.  
Marine ecology progress series; v. 8, (2), p. 203-210. May 7, 1982. (Halstenbek, Ger.: Inter-Research.)  
NAL Call No.: QH541.5.S3M32  
(1 p. ref.)

0371 1982  
A PROGRESS REPORT ON THE EFFECT OF REARING DENSITY ON SUBSEQUENT SURVIVAL OF CAPILANO COHO.  
SANDERCOCK, F.K.; STONE, E.J.  
PROCEEDINGS OF THE NORTH PACIFIC AQUACULTURE SYMPOSIUM, ANCHORAGE, ALASKA, AUGUST 18-21, 1980, NEWPORT, OREGON, AUGUST 25-27, 1980, ALASKA SEA GRANT REPORT 82-2, 151.  
Aquaculture Data Base No.: 9722

0372 1982  
Relationship between body contaminants and bone development in east-coast striped bass (*Morone saxatilis*).  
Mehrlle, P.M.; Haines, T.A.; Hamilton, S.; Ludke, J.L.; Mayer, F.L.; Ribick, M.A.  
Transactions of the American Fisheries Society; v. 111, (2), p. 231-241. Mar 1982. (Lawrence, Kan.: The Society)  
NAL Call No.: 414.9 AM3  
(Includes 2 p. ref.)

0373 1982  
Relationships between serum levels of gonadotropin, oestradiol-17beta, and vitellogenin in the control of ovarian development in the rainbow trout. II. The effects of alterations in environmental photoperiod.

Bromage, N.R.; Whitehead, C.; Breton, B.  
General comparative endocrinology; v. 47, (3), p. 366-376. July 1982. (New York: Academic Press.)  
NAL Call No.: 444.8 G28  
(2 p. ref.)

0374 1982  
SEX-WEIGHT RELATIONS IN BLUE, CHANNEL, AND WHITE CATFISHES: IMPLICATIONS FOR BROOD STOCK SELECTION.  
BROOKS, M.J.; SMITHERMAN, R.O.; CHAPPELL, J.A.; DUNHAM, R.A.  
THE PROGRESSIVE FISH-CULTURIST 44 (2), 105-107.  
Aquaculture Data Base No.: 9751

0375 1982  
Species combination in Tilapia culture.  
Dadzie, S.  
Aquaculture; v. 27, (3), p. 295-299. Apr 1982. (Amsterdam: Elsevier Scientific Publishing.)  
NAL Call No.: SH1.A6  
(Includes 12 ref.)

0376 1982  
Steroid production in testicular tissue of the European eel (*Anguilla anguilla*).  
Eckstein, B.; Cohen, S.; Hilge, V.  
Endocrinology; v. 110, (3), p. 916-919. Mar 1982. (Baltimore, Md.: Williams & Wilkins.)  
NAL Call No.: 448.8 EN2  
(Includes 14 ref.)

0377 1982  
Stock identification of sockeye salmon (*Oncorhynchus nerka*) with scale pattern recognition.  
Cook, R.C.  
Canadian journal of fisheries and aquatic sciences = Journal canadien des sciences halieutiques et aquatiques; v. 39, (4), p. 611-617. Apr 1982. (Hull, Can.: Minister of Supply and Services Canada.)  
NAL Call No.: 442.9 C16J  
(2 p. ref.)

0378 1982  
Studies of pheno-deviants as indicators of genetic state and breeding value of groups of rainbow trout from different farms in the German Democratic Republic (*Salmo gairdneri*).  
Savvaitova, K.A.; Maksimov, V.A.; Winkler, H.  
Nauchnye doklady vysshei shkoly; biologicheskie nauki; (3), p. 49-53. 1982. (Moskva: "Vysshshaia shkola".)  
NAL Call No.: 442.8 N22  
(12 ref.)

1981

0379 1981  
Advanced photoperiod and water temperature effects on gill Na—K— (sodium and potassium ions) adenosine triphosphatase activity and migration of juvenile steelhead (*Salmo gairdneri*).  
Zaugg, W.S.  
Canadian journal of fisheries and aquatic sciences. = Journal canadien des sciences halieutiques et aquatiques; v. 38, (7), p. 758-764. ill. July 1981. (Ottawa: Govt. of Canada, Fisheries and Oceans.)  
NAL Call No.: 442.9 C16J  
(16 ref.)

- 0380 1981  
Areal distribution of marked Columbia River basin spring chinook salmon recovered in fisheries and at parent hatcheries (*Oncorhynchus tshawytscha*). Wahle, R.J.; Chaney, E.; Pearson, R.E. Marine fisheries review; v. 43, (12), p. 1-9. ill., map. Dec 1981. (Washington, D.C.: Scientific Publications Office, National Marine Fisheries Service.) NAL Call No.: 157.5 F532 (Includes 14 ref.)
- 0381 1981  
Changes in the concentrations of plasma cortisol and thyroxine during sexual maturation of the hatchery-reared brown trout, *Salmo trutta* L. Pickering, A.D.; Christie, P. General and comparative endocrinology; v. 44, (4), p. 487-496. Aug 1981. (New York: Academic Press.) NAL Call No.: 444.8 G28 (Bibliography p. 494-496.)
- 0382 1981  
Changes of two types of pituitary gonadotrophs of the loach, *Misgurnus anguillicaudatus*, during gonadal development and reproductive cycle (Teleost fishes). Ueda, H. Hokkaido Daigaku Suisangaku-bu kenkyu iho = Bulletin of the Faculty of Fisheries, Hokkaido University; v. 32, (2), p. 120-135. ill. June 1981. (Hakodate, Japan: The Faculty.) NAL Call No.: 414.9 H682 (25 ref.)
- 0383 1981  
Comparison of early developmental stages and adults of grass carp, *Ctenopharyngodon idella*, and hybrid carp (female grass carp X male bighead *Aristichthys nobilis*) (Morphometric characters, pigmentation patterns). Kilambi, R.V.; Zdinak, A. Journal of fish biology; v. 19, (4), p. 457-465. ill. Oct 1981. (London, Academic Press.) NAL Call No.: QL614.J68 (19 ref.)
- 0384 1981  
Control of secretion of gonadotropic hormone by the pituitary gland of the rainbow trout. Evidence of inhibition by catecholamines and stimulation of release by some other neuroregulatory factors (*Salmo gairdneri*). Crim, L.W. Neurosecretion: molecules, cells, systems / edited by Donald S. Farner and Karl Lederis; p. 442. 1981. (New York: Plenum Press.) NAL Call No.: QP356.4.I59 1980 (1 ref.)
- 0385 1981  
Current response of young rainbow trout from inlet and outlet spawning stocks of a British Columbia lake (*Salmo Gairdneri*). Kelso, B.W.; Northcote, T.G. Proceedings - International Association of Theoretical and Applied Limnology; v. 21, (pt.2), p. 1214-1221. ill., map. 1980 (pub. 1981). (Stuttgart: E. Schweizerbart'sche Verlagsbuchhandlung.) NAL Call No.: QH96.A1I58 (Includes 10 ref.)
- 0386 1981  
DENSITY RELATED GROWTH OF GRASS CARP, CTENOPHARYNGODON IDELLA (VAL.) IN MANAGED SMALL IMPOUNDMENTS IN ALABAMA.
- SHELTON, W.L.; SMITHERMAN, R.O.; JENSEN, G.L. JOURNAL OF FISH BIOLOGY 18 (1), 45-51. Aquaculture Data Base No.: 8699
- 0387 1981  
Development of photobehavioural responses in young rainbow trout, *Salmo gairdneri* Richardson. Carey, W.E.; Noakes, D.L.G. Journal of fish biology; v. 19, (3), p. 285-296. ill. Sept 1981. (London, Academic Press.) NAL Call No.: QL614.J68 (Bibliography p. 294-296.)
- 0388 1981  
Dynamics of carp growth and biosynthetic process in the liver of the carp reared in containers in heated waste water from thermal power stations. Yevtushenko, N.Y.; Romanenko, V.D. Hydrobiological journal; v. 16, (4), p. 58-61. 1980 (pub. 1981). (Silver Spring, Md: Scripta.) NAL Call No.: QH90.A1H93 Translated from: *Gidrobiologicheskii zhurnal*. (QH90.A1G5). (7 ref.)
- 0389 1981  
The effects of fish on growth and survival of school prawns *Metapenaeus macleayi* (Haswell) in some Australian brackish water farming ponds. Maguire, G.B.; Bell, J.D. Aquaculture; v. 24, (3/4), p. 267-283. June 1981. (Amsterdam: Elsevier Scientific Publishing.) NAL Call No.: SH1.A6 (21 ref.)
- 0390 1981  
Effects of photoperiod and feeding on daily growth patterns in otoliths of juvenile *Tilapia nilotica*. Tanaka, K.; Mugiya, Y.; Yamada, J. Fishery bulletin - United States, National Marine Fisheries Service; v. 79, (3), p. 459-466. ill. July 1981. (Washington, D.C.: U.S. Government Printing Office.) NAL Call No.: 157.5 B87 (Includes 10 ref.)
- 0391 1981  
Estimation of the primary production in Lake Maarsseveen I with an incubator technique (Phytoplankton). Flik, B.J.G.; Keyser, A. Hydrobiological bulletin; v. 15, (1/2), p. 41-50. ill. Oct 1981. (Amsterdam: Netherlands Hydrobiological Society.) NAL Call No.: QH90.A1H9 (14 ref.)
- 0392 1981  
A general approach to the culture of planktonic rotifers (*Asplanchna*, *Polyarthra*, *Synchaeta*, *Cryptomonas*, as prey for crustacean predators). Stemberger, R.S. Canadian journal of fisheries and aquatic sciences. = Journal canadien des sciences halieutiques et aquatiques; v. 38, (6), p. 721-724. ill. June 1981. (Ottawa: Govt. of Canada, Fisheries and Oceans.) NAL Call No.: 442.9 C16J (Bibliography p. 724.)
- 0393 1981  
Gonadal ascorbic acid and changes in level with ovarian development in the crucian carp, *Carassius carassius* (L.).



BIOLOGY AND BEHAVIOR

- Seymour, E.A.  
Comparative biochemistry and physiology. A: Comparative physiology; v. 70, (3), p. 451-453. 1981. (Oxford: Pergamon Press.)  
NAL Call No.: QP1.C6  
(Bibliography p. 452-453.)
- 0394 1981  
Gonadal development and sex differentiation of *Tilapia nilotica* Linnaeus (Aquacultural species).  
Alvendida-Casauay, A.; Carino, V.S.  
Natural and applied science bulletin; v. 33, (1/2), p. 123-134. ill. Jan/June 1981. (Manila: College of Arts & Sciences, University of the Philippines.)  
NAL Call No.: 475 P532  
(2 p. ref.)
- 0395 1981  
GROWTH OF THE BAY SCALLOP, *ARGOPECTEN IRRADIANS*, IN A WASTE RECYCLING AQUACULTURE SYSTEM.  
MANN, R.; TAYLOR, R.E., JR.  
AQUACULTURE (1,2), 45-52.  
Aquaculture Data Base No.: 9080
- 0396 1981  
Growth records of grass carp, *Ctenopharyngodon idella* Val. from Rankala tank, Kolhapur (under natural conditions, without any culture practice).  
Samant, J.S.  
Journal of the Bombay Natural History Society; v. 78, (2), p. 392-395. Aug 1981. (Madras: The Society.)  
NAL Call No.: 513 B63  
(6 ref.)
- 0397 1981  
The histogenesis of the lymphoid organs in the carp *Cyprinus carpio* L. and the ontogenetic development of allograft reactivity.  
Botham, J.W.; Manning, M.J.  
Journal of fish biology; v. 19, (4), p. 403-414. ill. Oct 1981. (London, Academic Press.)  
NAL Call No.: QL614.J68  
(24 ref.)
- 0398 1981  
Immunochemical investigations on fish eggs (Salmonidae) and toad spawn (*Bufo bufo*): on the appearance of glycosidases during the hatching process.  
Immunochemische untersuchungen an Fischeiern und Krottenlaich: zum Auftreten von Glykosidasen während des Schlupfvorganges. GERMAN.  
Kothbauer, H.; Schenkel-Brunner, H.  
Zoologischer Anzeiger; v. 206, (5/6), p. 354-360. 1981. (Jena: Gustav Fischer.)  
NAL Call No.: 410 Z7  
(Bibliography p. 358-360.)
- 0399 1981  
Immunocytochemical localization of hormone-producing cells within the pancreatic islets of the rainbow trout (*Salmo gairdneri*).  
Wagner, G.F.; McKeown, B.A.  
Cell and tissue research; v. 221, (1), p. 181-192. ill. 1981. (Berlin: Springer International.)  
NAL Call No.: QH581.A1Z4  
(Includes 2 p. ref.)
- 0400 1981  
In vitro metabolism of 4-pregnenes in ovaries of a freshwater teleost, the ayu (*Plecoglossus altivelis*): production of 17 alpha, 20 beta-dihydroxy-4-pregnen-3-one and its 5 beta-reduced metabolites, and activation of 3 beta- and 20 beta-hydroxysteroid dehydrogenases by treatment with a fish gonadotropin.  
Suzuki, K.; Tamaoki, B.I.; Hirose, K.  
General and comparative endocrinology; v. 45, (4), p. 473-481. ill. Dec 1981. (New York: Academic Press.)  
NAL Call No.: 444.8 G28  
(Includes ref.)
- 0401 1981  
The large high mobility group proteins of rainbow trout are localized predominantly in the nucleus and nucleoli of a cultured trout cell line.  
Bhullar, B.S.; Hewitt, J.; Candido, E.P.M.  
The Journal of biological chemistry; v. 256, (16), p. 8801-8806. ill. Aug 25, 1981. (Baltimore: American Society of Biological Chemists.)  
NAL Call No.: 381 J824  
(40 ref.)
- 0402 1981  
Largemouth bass predation on stocked tiger muskellunge (*Esox lucius* x *Esox masquinongy*, fish population dynamics and mortality, lakes and ponds, Ohio).  
Carline, R.F.; Hayward, R.S.  
Transactions of the American Fisheries Society; v. 110, (5), p. 604-612. ill., map. Sept 1981. (Lawrence, Kan.: The Society.)  
NAL Call No.: 414.9 AM3  
(25 ref.)
- 0403 1981  
Loss rates from sedimentation, parasitism, and grazing during the growth, nutrient limitation, and dormancy of a diatom crop.  
Jewson, D.H.; Rippey, B.H.; Gilmore, W.K.  
Limnology and oceanography; v. 26, (6), p. 1045-1056. ill. Nov 1981. (Lawrence, Kan.: American Society of Limnology and Oceanography.)  
NAL Call No.: GC1.L5  
(Bibliography p. 1054-1056.)
- 0404 1981  
Modification of a closed circuit with a view to allowing experimentation on larvae and juvenile marine fish. Biological and chemical monitoring of the evolution of the environment (Effect of different photoperiods on newly hatched soles and on juveniles of soles (*Solea vulgaris*) and sea bass (*Dicentrarchus labrax*). Mise au point d'un circuit ferme en vue de permettre l'experimentation sur des larves et des juveniles de poissons marins. Suivi biologique et chimique de l'evolution du milieu.  
Alayse, J.P.  
Aquaculture; v. 23, (1/4), p. 219-230. ill. Apr 1981. (Amsterdam: Elsevier Scientific Publishing.)  
NAL Call No.: SH1.A6  
(13 ref.)
- 0405 1981  
Morphological indices of developmental progress in the parr-smolt salmon, *Oncorhynchus kisutch*.  
Gorbman, A.; Dickhoff, W.W.; Mighell, J.L.; Prentice, E.F.; Waknitz, F.W.  
Aquaculture; v. 28, (1/2), p. 1-19. ill. June 1982. (Amsterdam: Elsevier Scientific Publishing.)  
NAL Call No.: SH1.A6  
(12 ref.)
- 0406 1981  
Movement of tournament-caught and released bass.



- Blake, L.M.  
New York fish and game journal; v. 28, (1), p. 115-117.  
ill. Jan 1981. (Albany: Conservation Dept., Division of  
Fish and Game.)  
NAL Call No.: 410 N48  
(1 ref.)
- 0407 1981  
Muscle biopsy technique for fish stock management  
(Differentiation among species and hybrids).  
McAndrew, B.J.  
The Veterinary record; v. 108, (24), p. 516. ill. June 13,  
1981. (London: British Veterinary Association.)  
NAL Call No.: 41.8 V641  
(3 ref.)
- 0408 1981  
Observations on pond growth of *Macrobrachium*  
*rosenbergii* at the Ginosar Fish Culture Station (Israel)  
in 1978 and 1979.  
Arieli, Y.; Sarig, S.; Bejerano, Y.  
Bamidgeh. = Bulletin of Fish Culture in Israel; v. 33, (2),  
p. 57-68. ill. June 1981. (Nir-David: Joint Agricultural  
Extension Centre.)  
NAL Call No.: 414.8 B21  
(1 ref.)
- 0409 1981  
On the proportion of the Chesapeake Bay stock of  
striped bass (*Morone saxatilis*) that migrates into the  
coastal fishery.  
Kohlenstein, L.C.  
Transactions of the American Fisheries Society; v. 110,  
(1), p. 168-179. ill., map. Jan 1981. (Lawrence, Kan.:  
The Society.)  
NAL Call No.: 414.9 AM3  
(Bibliography p. 178-179.)
- 0410 1981  
Oxygen consumption of adult Atlantic salmon (*Salmo*  
*salar* L.) males and females in fish culture.  
Kazakov, R.V.; Khalyapina, L.M.  
Aquaculture; v. 25, (2/3), p. 289-292. Aug 1981.  
(Amsterdam: Elsevier Scientific Publishing.)  
NAL Call No.: SH1.A6  
(12 ref.)
- 0411 1981  
Parr-smolt transformation of yearling Atlantic salmon  
(*Salmo salar*) at several rearing temperatures (Thermal  
effluent).  
Johnston, C.E.; Saunders, R.L.  
Canadian journal of fisheries and aquatic sciences =  
Journal canadien des sciences halieutiques et aquatiques;  
v. 38, (10), p. 1189-1198. Oct 1981. (Ottawa: Govt. of  
Canada, Fisheries and Oceans.)  
NAL Call No.: 442.9 C16J  
(Includes 2 p. ref.)
- 0412 1981  
Polyploidy induced by heat shock in rainbow trout  
(*Salmo gairdneri*, for biological studies and breeding  
programs).  
Thorgaard, G.H.; Jazwin, M.E.; Stier, A.R.  
Transactions of the American Fisheries Society; v. 110,  
(4), p. 546-550. ill. July 1981. (Lawrence, Kan.: The  
Society.)  
NAL Call No.: 414.9 AM3  
(27 ref.)
- 0413 1981
- Predictive models of benthic macroinvertebrate density  
for use in instream flow studies and regulated flow  
management (Fish habitat suitability).  
Gore, J.A.; Judy, R.D. Jr.  
Canadian journal of fisheries and aquatic sciences =  
Journal canadien des sciences halieutiques et aquatiques;  
v. 38, (11), p. 1363-1370. Nov 1981. (Ottawa: Govt. of  
Canada, Fisheries and Oceans.)  
NAL Call No.: 442.9 C16J  
(Includes 1 p. ref.)
- 0414 1981  
Purification and characterization of hatching enzyme of  
the pike (*Esox lucius*).  
Schoots, A.F.M.; Denuce, J.M.  
The International journal of biochemistry; v. 13, (5), p.  
591-602. ill. 1981. (Oxford: Pergamon Press.)  
NAL Call No.: QD415.A115  
(Bibliography p. 601-602.)
- 0415 1981  
Quantitative and specific composition of yeasts in the  
body of carp and trout reared in discharged water from  
the Kiev heat and electric power plant (*Cyprinus carpio*,  
*Salmo lacustris*). RUSSIAN.  
Kvasnikov, E.I.; Nagornaia, S.S.; Aristova, M.V.  
Mikrobiologicheskii zhurnal; v. 43, (6), p. 709-712.  
Nov/Dec 1981. (Kiev, U.S.S.R.: "Naukova Dumka".)  
NAL Call No.: 448.3 K54  
(6 ref.)
- 0416 1981  
Rainbow trout (*Salmo gairdneri*) and cutthroat trout  
(*Salmo clarki*) interactions in coastal British Columbia  
lakes (Aggressive behavior, feeding behavior, interactive  
segregation).  
Nilsson, N.A.; Northcote, T.G.  
Canadian journal of fisheries and aquatic sciences =  
Journal canadien des sciences halieutiques et aquatiques;  
v. 38, (10), p. 1228-1246. Oct 1981. (Ottawa: Govt. of  
Canada, Fisheries and Oceans.)  
NAL Call No.: 442.9 C16J  
(Includes 2 p. ref.)
- 0417 1981  
Recognition of year-class dominance in (Atlantic coast)  
striped bass (*Morone saxatilis*) management (Biological  
and abiotic population controls).  
Cooper, J.C.; Polgar, T.T.  
Transactions of the American Fisheries Society; v. 110,  
(1), p. 180-187. ill. Jan 1981. (Lawrence, Kan.: The  
Society.)  
NAL Call No.: 414.9 AM3  
(Bibliography p. 185-187.)
- 0418 1981  
The relationship of primary productivity to sportfish  
production (Relationship of fish biomass to  
phytoplankton productivity) in a new southeastern  
reservoir.  
Bayne, D.R.  
Highlights of agricultural research - Alabama,  
Agricultural Experiment Station; v. 28, (2), p. 15.  
Summer 1981. (Auburn: The Station.)  
NAL Call No.: 100 AL1H
- 0419 1981  
Seasonal variations in the actual fecundity of *Daphnia*  
*magna* in a laboratory culture.  
Isakova, Y.F.

- Hydrobiological journal; v. 16, (4), p. 69-71. 1980 (pub. 1981). (Silver Spring, Md: Scripta.)  
NAL Call No.: QH90.A1H93  
Translated from: *Gidrobiologicheskii zhurnal*. (QH90.A1G5).  
(11 ref.)
- 0420** **1981**  
Some endocrine factors affecting the development of seawater tolerance during parr-smolt transformation of the amago salmon, *Oncorhynchus rhodurus*. Nagahama, Y.; Adachi, S.; Tashiro, F.; Grau, E.G. *Aquaculture*; v. 28, (1/2), p. 81-90. ill. June 1982. (Amsterdam: Elsevier Scientific Publishing.)  
NAL Call No.: SH1.A6  
(2 p. ref.)
- 0421** **1981**  
Stress-related effects of hatchery rearing density on coho salmon (*Oncorhynchus kisutch*). Fagerlund, U.H.M.; McBride, J.R.; Stone, E.T. *Transactions of the American Fisheries Society*; v. 110, (5), p. 644-649. Sept 1981. (Lawrence, Kan.: The Society.)  
NAL Call No.: 414.9 AM3  
(26 ref.)
- 0422** **1981**  
Tetraploid rainbow trout produced by cytochalasin B (*Salmo salar*, *Salmo gairdneri*). Refstie, T. *Aquaculture*; v. 25, (1), p. 51-58. ill. July 1981. (Amsterdam: Elsevier Scientific Publishing.)  
NAL Call No.: SH1.A6  
(22 ref.)
- 0423** **1981**  
Tiger salamanders (*Ambystoma tigrinum*) and stocked rainbow trout (*Salmo gairdneri*): potential competitors for food in Manitoba prairie pothole lakes (Canada). Olenick, R.J.; Gee, J.H. *The Canadian field-naturalist*; v. 95, (2), p. 129-132. Apr/June 1981. (Ottawa: Ottawa Field-Naturalists' Club)  
NAL Call No.: 410.9 OT8  
(Includes 9 ref.)
- 0424** **1981**  
University of Washington zero-age salmon smolt production (Migratory behavior). Brannon, E.; Feldmann, C.; Donaldson, L. *Aquaculture*; v. 28, (1/2), p. 195-200. June 1982. (Amsterdam: Elsevier Scientific Publishing.)  
NAL Call No.: SH1.A6  
(2 p. ref.)
- 0425** **1981**  
Uptake and disappearance of radioactivity in blood and tissues of carp (*Cyprinus carpio*) after feeding <sup>3</sup>H-testosterone. Lone, K.P.; Matty, A.J. *Aquaculture*; v. 24, (3/4), p. 315-326. ill. June 1981. (Amsterdam: Elsevier Scientific Publishing.)  
NAL Call No.: SH1.A6  
(Bibliography p. 324-326.)
- 0426** **1980**  
Age and growth, abundance, and biomass production of green sunfish, *Lepomis cyanellus* (Centrarchidae), in a eutrophic desert pond. Mannes, J.C.; Jester, D.B. *The Southwestern naturalist*; v. 25, (3), p. 297-311. ill. Nov 14, 1980. (Austin, Tex.: Southwestern Association of Naturalists.)  
NAL Call No.: 409.6 SO8  
(35 ref.)
- 0427** **1980**  
Analysis of relationships between hatchery coho salmon (*Oncorhynchus kisutch*) transplants and adult escapements in Oregon coastal watersheds. McGie, A.M. Information report series, fisheries; (80-6), 19 p. Dec 1980. (Corvallis: Oregon Department of Fish and Wildlife, Research and Development Section.)  
NAL Call No.: SH1.I55  
(10 ref.)
- 0428** **1980**  
Biological studies on cultured oyster in Penghu (Pescadores). Lin, Y.S.; Tang, H.C. *Bulletin of the Institute of Zoology, Academia Sinica*; v. 46, (9), p. 15-22. ill. Oct 1980. (Taipei: The Institute.)  
NAL Call No.: 410.9 AC1  
(10 ref.)
- 0429** **1980**  
Biology and artificial rearing of brook trout from the Geigel Lake (*Salmo trutta fario*). RUSSIAN. Kuliev, Z.M. *Biologiya ozer i vodokhranilishch Azerbaidzhana / (redaktsionnaia kollegiia : M.A. Musaev ... i dr.)*; p. 72-89. 1980. (Baku: Elm.)  
NAL Call No.: QH161.B56  
(5 ref.)
- 0430** **1980**  
Characteristics of growth and development of carp raised in fish ponds with warm water. RUSSIAN. Arinichev, V.N. *Doklady TSKhA - Timiriazevskaia sel'skokhoziaistvennaia akademiia*; (260), p. 114-118. ill. 1980. (Moskva: Akademiia.)  
NAL Call No.: 20 M857
- 0431** **1980**  
COMPARATIVE GROWTH AND SURVIVAL OF BROWN SHRIMP CULTURED WITH FLORIDA POMPANO, BLACK DRUM AND STRIPED MULLET. ROSSBERG, K.S.; STRAWN, R.K. PROCEEDINGS OF THE ELEVENTH ANNUAL MEETING, WORLD MARICULTURE SOCIETY, NEW ORLEANS, LOUISIANA, MARCH 5-8, 1980, 219-225.  
Aquaculture Data Base No.: 9032
- 0432** **1980**  
Comparative study of eggs coming from wild and reared coho salmon and analysis of the muscles and liver of reared male and female breeders. Etude comparee d'oeufs issus de cohos sauvages et de cohos d'elevage et analyses de muscles et de foies de geniteurs males et femelles d'elevage. FRENCH.



Stephan, G.; Lamour, F.  
Bulletin de la Societe des sciences veterinaires et de  
medecine comparee de Lyon; v. 82, (5), p. 257-266. 1980.  
(Lyon: La Societe.)  
NAL Call No.: 41.9 L99  
(23 ref.)

0433 1980  
DEVELOPMENT OF A SHORT-TERM  
LABORATORY SYSTEM FOR THE EVALUATION  
OF CARP GROWTH IN PONDS.  
NAGY, A.; BAKDS, J.; HORVATH, L.  
BAMIDGEH 32 (1), 6-15.  
Aquaculture Data Base No.: 7793

0434 1980  
Developmental and functional aspects of the frontal  
bones in relation to some other bony and cartilaginous  
parts of the head roof in *Haplochromis elegans*  
Trewavas, 1933 (Teleostei, Cichlidae) (and compared to  
that of the protacanthopterygian *Salmo gairdneri*  
(rainbow trout)).  
Verraes, W.; Ismail, M.H.  
Netherlands journal of zoology; v. 30, (3), p. 450-472. ill.  
Sept 1980. (Leiden: E.J. Brill.)  
NAL Call No.: 410 AR27  
(Bibliography p. 470-471.)

0435 1980  
Dispersion patterns of hatchery-reared rainbow trout  
stocked in a Virginia mountain stream (*Salmo gairdneri*).  
Kendall, W.T.; Helfrich, L.A.  
Proceedings of the ... annual conference Southeastern  
Association of Fish and Wildlife Agencies; (34th), p.  
318-329. ill. 1980. ((s.l.): The Association.)  
NAL Call No.: SK1.S6  
(Includes 2 p. ref.)

0436 1980  
Factors affecting Puget Sound coho salmon  
(*Oncorhynchus kisutch*) runs.  
Mathews, S.B.; Olson, F.W.  
Canadian journal of fisheries and aquatic sciences. =  
Journal canadien des sciences halieutiques et aquatiques;  
v. 37, (9), p. 1373-1378. ill. Sept 1980. (Ottawa: Govt. of  
Canada, Fisheries and Oceans.)  
NAL Call No.: 442.9 C16J  
(13 ref.)

0437 1980  
Fish-farming and morphological evaluation of *Tilapia*  
*mossambica* P. (USSR). RUSSIAN.  
Sokolov, V.B.  
Doklady TSKhA - Timiriachevskaja  
sel'skokhoziaistvennaia akademiia; (260), p. 124-127.  
1980. (Moskva: Akademiia.)  
NAL Call No.: 20 M857  
(4 ref.)

0438 1980  
GROWTH AND SURVIVAL OF MILKFISH IN A  
POLYCULTURE SYSTEM.  
PUDADERA, B.  
ASIAN AQUACULTURE 3 (9), 4.  
Aquaculture Data Base No.: 8145

0439 1980  
Growth, harvest and survival of hatchery-reared and  
native brook trout (*Salvelinus fontinalis*) in the Dunk  
River system, Prince Edward Island.  
Johnston, C.E.; Cheverie, J.C.

Proceedings of the Nova Scotian Institute of Science; v.  
30, (1), p. 11-29. ill. 1980. (Halifax: The Institute.)  
NAL Call No.: 517 H13  
(Bibliography p. 28-29.)

0440 1980  
Histochemistry of lobster claw-closer muscles during  
development.  
Ogonowski, M.M.; Lang, F.; Govind, C.K.  
The Journal of experimental zoology; v. 213, (3), p.  
359-367. ill. Sept 1980. (Philadelphia: Wistar Institute of  
Anatomy and Biology.)  
NAL Call No.: 410 J825  
(Bibliography p. 366-367.)

0441 1980  
Histological study of the epithelium of the digestive tube  
of the sea bass, *Dicentrarchus labrax* (L.), during  
postembryonic development. Etude histologique de  
l'epithelium du tube digestif du bar, *Dicentrarchus*  
*labrax* (L.), au cours du developpement  
post-embryonnaire. FRENCH.  
Vu Tan Tue.  
Archives de zoologie experimentale et generale; v. 121,  
(3), p. 191-206. plate. 1980. (Paris: Centre national de la  
recherche scientifique.)  
NAL Call No.: 410 AR24  
(Bibliography p. 204-205.)

0442 1980  
Larval stages of a parthenopid crab, *Parthenope validus*,  
reared in the laboratory and variation of egg size among  
crabs.  
Kurata, H.; Matsuda, T.  
Nansei Kaiku Suisan Kenkyujo kenkyu hokoku. = Bulletin  
of the Nansei Regional Fisheries Research Laboratory;  
(12), p. 31-42. ill. Mar 1980. (Hiroshima: The  
Laboratory.)  
NAL Call No.: SH19.N35  
(27 ref.)

0443 1980  
Magnetic effect on the development of aquatic  
microorganisms. 2. Cultivation of a pure culture of algae  
*Scenedesmus quadricauda*, *Microcystis* sp. at higher  
temperature after the magnetic effect. RUSSIAN.  
Raziulyte, R.I.; Budriene, S.F.  
Darbai. = Trudy - Lietuvos TSR Mokslu akademija. Serija  
C. = Serija V; (4), p. 5-14. 1980. (Vilnius: Akademiija.)  
NAL Call No.: 511 AK192D  
(8 ref.)

0444 1980  
MATURATION AND REPRODUCTION OF  
*PENAEUS SETIFERUS* IN CAPTIVITY.  
LAWRENCE, A.L.; AKAMINE, Y.; MIDDLEDITCH,  
B.S.; CHAMBERLAIN, G.; HUTCHINS, D.  
PROCEEDINGS OF THE ELEVENTH ANNUAL  
MEETING, WORLD MARICULTURE SOCIETY,  
NEW ORLEANS, LOUISIANA, MARCH 5-8, 1980,  
481-487.  
Aquaculture Data Base No.: 9059

0445 1980  
A morphometrical study of metencephalon in the  
developmental stages of *Cirrhinia mrigala* (Ham).  
Sharma, C.L.



The Journal of animal morphology and physiology; v. 27, (1/2), p. 63-69. June/Dec 1980. (Baroda: Society of Animal Morphologists and Physiologists.)  
NAL Call No.: 444.8 J823  
(3 ref.)

0446 1980  
New ethyl-m-aminobenzoate salts as agents for temporary narcosis in trout fishery. BULGARIAN. Boiadzhiev, N.; Natova, L.; Bizhev, A.; Gerg'ovska, K. Veterinarno-meditsinski nauki. = Veterinary science; v. 17, (2), p. 55-59. 1980. (Sofia: Natsionalen agrarno-promishlen suiuz.)  
NAL Call No.: 41.8 V6468  
(6 ref.)

0447 1980  
Northern squawfish (*Ptychocheilus oregonensis*) predation on juvenile salmonids in the Willamette River basin. Buchanan, David V. Corvallis: Oregon Dept. of Fish and Wildlife, Research and Development Section; 1980. 15 p.  
NAL Call No.: SH1.155 No.80-2  
(Information report series, fisheries ; no. 80-2)  
(Bibliography: p. 14-15.)

0448 1980  
A note on the significance of the olfactory sense upon sexual maturation in Atlantic salmon (*Salmo salar* L.) (in a fish-farming environment). Stabell, O.B.; Refstie, T. Aquaculture; v. 21, (2), p. 165-170. ill. Oct 1980. (Amsterdam: Elsevier Scientific Publishing.)  
NAL Call No.: SH1.A6  
(19 ref.)

0449 1980  
Observations on growth rates of milk fish (*Chanos chanos*) in relation to the abiotic factors at Kakinada fish farm (India). Dwivedi, S.N.; Reddy, D.V.; Bohra, O.P.; Pillai, K.K. Comparative physiology and ecology; v. 5, (4), p. 285-287. Oct 1980. (Jodhpur: K.G. Purohit.)  
NAL Call No.: QP82.A1C6  
(Includes 1 p. ref.)

0450 1980  
Phytoplankton of the experimental hatchery pond of the Kuibyshev fish nursery enterprise. RUSSIAN. Andrievskaia, S.A. Akhboroti Akademiiai fankhoi RSS Tochikiston, shu"bai fankhoi biologi. = Izvestiia Akademii nauk Tadzhikskoi SSR, otdelenie biologicheskikh nauk; (2), p. 44-48. Apr/June 1980. (Dushanbe: Akademiia.)  
NAL Call No.: 20 AK132  
(7 ref.)

0451 1980  
The relative condition factor and length-weight relationship of a freshwater carp, *Labeo gonius* (Ham.) (Cyprinidae, Teleostei). Chatterji, A. Journal of the Bombay Natural History Society; v. 77, (3), p. 435-443. Dec 1980. (Madras: The Society.)  
NAL Call No.: 513 B63  
(Includes ref.)

0452 1980  
REPRODUCTIVE BIOLOGY, LENGTH-WEIGHT RELATIONSHIP AND RELATIVE CONDITION OF POND RAISED TILAPIA ZILLI (GERVAIS).

DADZIE, S.; WANGILA, B.C.C.  
JOURNAL OF FISH BIOLOGY 17 (3), 243-253.  
Aquaculture Data Base No.: 8494

0453 1980  
Results of stocking young largemouth (*Micropterus salmoides* and *Micropterus salmoides floridanus*) and spotted bass (*Micropterus punctulatus*) in several ratios in Oklahoma ponds. Clady, M.D. Proceedings of the Oklahoma Academy of Science; v. 60, p. 18-25. 1980. (Ardmore, Okla.: The Academy.)  
NAL Call No.: 500 OK42  
(14 ref.)

0454 1980  
A REVIEW OF CRAYFISH BIOLOGY, CULTURE, AND POTENTIAL FUTURE OF THE INDUSTRY IN THE PACIFIC NORTHWEST. BIGGS, E.D. OREGON STATE UNIVERSITY, DEPARTMENT OF FISHERIES AND WILDLIFE, MASTERS PROJECT, JULY 1980, 106 PP.  
Aquaculture Data Base No.: 9190

0455 1980  
Role of abiotic factors in the embryonic development of scale carp. Kaur, K.; Stoor, H.S. Proceedings of the Indian National Science Academy. Part B. Biological sciences; v. 46, (1), p. 136-148. ill. 1980. (New Delhi: The Academy.)  
NAL Call No.: 513 N212 PT.B  
(Bibliography p. 145-148.)

0456 1980  
STAMINA AND SURVIVAL OF COHO SALMON REARED IN RECTANGULAR CIRCULATING PONDS AND CONVENTIONAL RACEWAYS. LAGASSE, J.P.; LEITH, D.A.; ROMNEY, D.B.; DAHRENS, O.F. THE PROGRESSIVE FISH-CULTURIST 42 (3), 153-156.  
Aquaculture Data Base No.: 8172

0457 1980  
A STATISTICAL INDEX OF GROWTH CONDITION IN AN AQUACULTURE EXPERIMENT. TAN, R.H.; DE MESA, I.E. SEAFDEC QUARTERLY RESEARCH REPORT 4 (2), 9-14.  
Aquaculture Data Base No.: 9673

0458 1980  
Studies on formation and resorption of fish scales. IV. Ultrastructure of developing scales in newly hatched fry of the sheepshead minnow, *Cyprinodon variegatus* (Atheriniformes: Cyprinodontidae). Olson, O.P.; Watabe, N. Cell and tissue research; v. 211, (2), p. 303-316. ill. 1980. (Berlin: Springer International.)  
NAL Call No.: QH581.A1Z4  
(Bibliography p. 315-316.)

0459 1980  
Study of amylases in the development of *Artemia salina* Leach = Studio delle amilasi nello sviluppo di "Artemia salina" Leach. Bellini, Loreta.

Washington, D.C.: NOAA; 1980. 4 leaves.

NAL Call No.: TRANSL 26799

Translated from Italian Translated from: Rendiconti  
1957, vo. XXIII, Nov. 1957, pages 303-307.

(Bibliography: leaf 4.)

0460 1980  
SYNOPSIS OF BIOLOGICAL DATA ON STRIPED  
BASS, MORONE SAXATILIS (WALBAUM).  
SETZLER, E.M.  
NOAA TECHNICAL REPORT NMFS CIRCULAR  
433, 1-69.  
Aquaculture Data Base No.: 8642

1979

0461 1979  
Biological investigations of marine farms (Giant kelp,  
Macrocystis).  
Barcelona, M.; Gerard, V.; Kuwabara, J.; Lieberman, S.;  
Manley, S.; North, W.  
Conference proceedings : The National Biomass  
Program, June 5, 6, and 7, 1979, Colorado School of  
Mines, Golden, Colo., Sponsored by U.S. Department of  
Energy; Coordinated by Solar Energy Research  
Institute. Biomass Energy Systems Conference (3rd  
annual : 1979 : Golden, Colorado); p. 33-37. ill. 1979.  
(Washington, D.C.: U.S. Government Printing Office.)  
NAL Call No.: TP360.B55  
(7 ref.)

0462 1979  
Downstream migration of juvenile chinook salmon  
without elevated gill (Na-K)-ATPase activities.  
Ewing, R. D.  
Corvallis: Oregon Dept. of Fish and Wildlife, Research  
and Development Section; 1979. 20 p.  
NAL Call No.: SH1.I55 No.79-2  
(Information report series, fisheries ; no. 79-2)  
(Bibliography: p. 18-20.)

0463 1979  
The ecology and life history of the endangered snail  
darter, *Percina (Imostoma) Tanasi* Etnier.  
Starnes, Wayne C.  
Ann Arbor, Mich: University Microfilms International;  
1979. x, 143 leaves.  
NAL Call No.: DISS 77-16,601  
Facsimile produced by microfilm-xerography.  
Thesis--University of Tennessee, 1977.  
(Bibliography: leaves 132-135.)

0464 1979  
EFFECTS OF TEMPERATURE ON THE GROWTH  
AND SURVIVAL OF THE EUROPEAN EEL,  
*ANGUILLA ANGUILLA* L.  
SADLER, K.  
JOURNAL OF FISH BIOLOGY 15 (4), 499-507.  
Aquaculture Data Base No.: 7236

0465 1979  
Factors affecting estimates of fishing mortality of  
largemouth bass (*Micropterus salmoides*) in a  
southeastern reservoir (West Point Reservoir,  
Alabama-Georgia).  
Folmar, H.G.; Davies, W.D.; Shelton, W.L.

Proceedings of the ... annual conference - Southeastern  
Association of Fish and Wildlife Agencies; (33rd), p.  
402-407. ill. 1979. (Columbia, S.C: The Association.)  
NAL Call No.: SK1.S6  
(14 ref.)

0466 1979  
Growth, survival and distribution of striped bass  
(*Morone saxatilis*) stocked into Watts Bar Reservoir,  
Tennessee.  
Van den Avyle, M.J.; Higginbotham, B.J.  
Proceedings of the ... annual conference - Southeastern  
Association of Fish and Wildlife Agencies; (33rd), p.  
361-370. ill., map. 1979. (Columbia, S.C: The  
Association.)  
NAL Call No.: SK1.S6  
(7 ref.)

0467 1979  
On the hematological indices of pond-reared common  
carp (*Cyprinus carpio*) and grass carp  
(*Ctenopharyngodon idellus*). CHINESE.  
Chao, M.C.; Su, C.K.; Huang, W.Y.; Wang, T.H.  
Shui Sheng Sheng Wu Hsueh Chi K'an Acta Hydrobiol  
Sin; v. 6, (4), p. 453-464. ill. Dec 1979. (Peking: K'o  
hsueh ch'u pan she.)  
NAL Call No.: 442.8 SH9  
(37 ref.)

0468 1979  
The potential impact of releasing hatchery coho salmon  
on wild juvenile chinook salmon in the Siuslaw Estuary  
(Oregon).  
Nicholas, J.W.; Reimers, P.E.; Hutchison, J.M.  
Information report series, fisheries; (79-7), 24 p. ill. Dec  
1979. (Corvallis: Oregon Department of Fish and  
Wildlife, Research and Development Section.)  
NAL Call No.: SH1.I55  
(9 ref.)

0469 1979  
SEDATION OF WARM-WATER FISH SPECIES IN  
AQUACULTURE RESEARCH.  
ROSS, L.G.; GEDDES, J.A.  
AQUACULTURE 16 (2), 183-186.  
Aquaculture Data Base No.: 6641

0470 1979  
A TEST OF 17 A-METHYLTESTOSTERONE AS A  
GROWTH PROMOTER IN COHO SALMON  
HATCHERY.  
FAGERLUND, U.H.M.; MCBRIDE, J.R.; STONE,  
E.T.  
TRANSACTIONS OF THE AMERICAN FISHERIES  
SOCIETY 108 (5), 467-472.  
Aquaculture Data Base No.: 7051

0471 1979  
UPTAKE OF HEAVY METALS, ORGANIC TRACE  
CONTAMINANTS AND VIRUSES BY THE  
JAPANESE OYSTER, *CRASSOSTREA GIGAS*,  
GROWN IN A WASTE RECYCLING  
AQUACULTURE SYSTEM.  
MANN, R.; VAUGHN, J.M.; LANDRY, E.F.;  
TAYLOR, R.E., JR.  
WOODS HOLE OCEANOGRAPHIC INSTITUTION,  
WHOI-79-50, TECHNICAL REPORT, 1-64. SEA  
GRANT NO. 04-7-158-44104.  
Aquaculture Data Base No.: 7148

0472 1979



Use and control of the fauna accompanying shrimp (Mexico). Aprovechamiento y control de la fauna de acompanamiento del camaron. SPANISH.

Lopez Garcia, A.

Publicacion especial - Instituto Nacional de Investigaciones Forestales; (17), p. 207-208. May 1979.

(Mexico: The Instituto.)

NAL Call No.: 99.9 M577P

1978

0473 1978  
GROWTH OF CHANNEL CATFISH AND STRIPED BASS IN SMALL PONDS STOCKED WITH GRASS CARP AND WATER HYACINTHS.

KILGEN, R. H.

TRANSACTIONS OF THE AMERICAN FISHERIES SOCIETY 107 (1), 176-180.

Aquaculture Data Base No.: 4379

0474 1978  
GROWTH OF DUCKWEED, SPIRODELA POLYRHIZA IN SYSTEM UTILIZING DAIRY CATTLE MANURE.

SAID, M.Z.B.M.

LOUISIANA STATE UNIVERSITY. MASTERS THESIS, 1-48.

Aquaculture Data Base No.: 6737

0475 1978  
GROWTH OF MYTILUS EDULIS L. IN A WASTE RECYCLING AQUACULTURE SYSTEM.

MANN, R.

AQUACULTURE 13 (4), 351-354.

Aquaculture Data Base No.: 4625

0476 1978  
ORGANIC PRODUCTION POTENTIAL OF ARTIFICIAL UPWELLING MARINE CULTURE.

ROELS, O.A.; LAURENCE, S.; FARMER, M.W.; VAN HEMELRYCK, L.

PROCESS BIOCHEMISTRY 13 (2), 18-23, 30.

Aquaculture Data Base No.: 6168

0477 1978  
SMOLTIFICATION AND FITNESS FOR OCEAN SURVIVAL OF ARTIFICIALLY PROPAGATED CHINOOK SALMON, COHO SALMON, AND STEELHEAD TROUT.

PRENTICE, E.P.

NORTHWEST AND ALASKA FISHERIES CENTER MONTHLY REPORT. SEPTEMBER 1978. 1-9.

Aquaculture Data Base No.: 6058

1977

0478 1977  
BIVALVE MOLLUSC CULTURE IN A WASTE RECYCLING AQUACULTURE SYSTEM. 3. SOME BIOCHEMICAL AND PHYSIOLOGICAL ASPECTS OF GROWTH AND GAMETOGENESIS IN CRASSOSTREA GIGAS (THUNBERG) AND OSTREA EDULIS L. GROWN AT SUSTAINED ELEVATED TEMPERATURES.

MANN, R.

WOODS HOLE OCEANOGRAPHIC INSTITUTION, WHOI-77-59. UNPUBLISHED MANUSCRIPT. 48P. Aquaculture Data Base No.: 6161

0479 1977

BIVALVE MOLLUSC CULTURE IN A WASTE RECYCLING AQUACULTURE SYSTEM. 5. GROWTH OF THE BAY SCALLOP, ARGOPECTEN IRRADIANS, IN A WASTE RECYCLING AQUACULTURE SYSTEM.

MANN, R.; TAYLOR, R.E., JR.

WOODS HOLE OCEANOGRAPHIC INSTITUTION, WHOI-77-59. UNPUBLISHED MANUSCRIPT. 10P.

Aquaculture Data Base No.: 6162

0480 1977

BIVALVE MOLLUSC CULTURE IN A WASTE RECYCLING AQUACULTURE SYSTEM. 6. LONG TERM STUDIES OF THE GROWTH OF THE JAPANESE OYSTER, EUROPEAN OYSTER AND MANILA CLAM IN A WASTE RECYCLING AQUACULTURE SYSTEM.

MANN, R.; TAYLOR, R.E., JR.

WOODS HOLE OCEANOGRAPHIC INSTITUTION, WHOI-77-59. UNPUBLISHED MANUSCRIPT. 9P.

Aquaculture Data Base No.: 6163

0481 1977

EFFECT OF STOCKING DENSITY ON THE RATE OF GROWTH OF MILKFISH FRY (CHANOS CHANOS).

RANOEMIHARDJO B.S.; PIRZAN, A.M.

BULLETIN OF THE BRACKISHWATER AQUACULTURE DEVELOPMENT CENTRE 3 (1-2), 247-257.

Aquaculture Data Base No.: 7493

0482 1977

EFFECTS OF STOCKING SIZE AND DENSITY ON GROWTH AND SURVIVAL OF MACROBRACHIUM ROSENBERGII (DE MAN) IN PONDS.

WILLIS, S.A.; BERRIGAN, M.E.

PROCEEDINGS OF THE EIGHTH ANNUAL WORKSHOP WORLD MARICULTURE SOCIETY, SAN JOSE, COSTA RICA. 21P.

Aquaculture Data Base No.: 3344

0483 1977

GROWTH AND HARVEST OF COHO SALMON IN STORMY LAKE, WISCONSIN.

MCKNIGHT, T. C.; SERNS, S. L.

THE PROGRESSIVE FISH-CULTURIST 39 (2), 79-85.

Aquaculture Data Base No.: 4420

0484 1977

GROWTH OF SIX SPECIES OF BIVALVE MOLLUSCS IN A WASTE RECYCLING-AQUACULTURE SYSTEM.

MANN, R.; RYTHER, J.H.

AQUACULTURE 11 (3), 231-245.

Aquaculture Data Base No.: 4133

0485 1977

MATURATION OF PENAEUS STYLIROSTRIS (STEMPSON) AND P. SETIFERUS (LINN.) IN HYPERSALINE WATER NEAR CORPUS CHRISTI TEXAS.

CONTE, F.S.; DURONSLET, M.J.; CLARK, W.H.; PARKER, J.C.



PROCEEDINGS OF THE EIGHTH ANNUAL  
WORKSHOP WORLD MARICULTURE SOCIETY,  
SAN JOSE, COSTA RICA, 327-334.  
Aquaculture Data Base No.: 8283

0486 1977  
OPTIMUM CULTURE REQUIREMENTS OF THE  
EARLY LIFE PHASES OF THE YELLOW PERCH.  
HOKANSON, E.F.  
UNIVERSITY OF WISCONSIN SEA GRANT  
COLLEGE PROGRAM ADVISORY REPORT 421,  
24-40.  
Aquaculture Data Base No.: 6264

0487 1977  
PLODNOST SIHA PELEDE (COREGONUS PELED  
GMELIN) Z RYBNICNICH PODMINEK.  
HOCKMAN, L.; JIRASEX, J.  
ZIVOCISNA VYROBA 22 (11), 839-848. (IN  
CZECHOSLAVAKIAN WITH ENGLISH  
ABSTRACT).  
Aquaculture Data Base No.: 6546

0488 1977  
PRODUCTION OF A FISH TAXOCENE IN A  
TEXAS POND.  
JONES, F.V.; PEARSON, W.D.; FITZPATRICK, L.C.  
ENVIRONMENTAL BIOLOGY OF FISHES 2 (3),  
241-259.  
Aquaculture Data Base No.: 4220

0489 1977  
THE SHORT-TERM GROWTH RATE OF OYSTERS  
(CRASSOSTREA VIRGINICA GMELIN) HELD IN  
THE COOLING WATER CANAL SYSTEM OF A  
STEAM ELECTRIC GENERATING STATION AND  
IN NATURAL WATERS.  
MARGRAF, F.J.  
PROCEEDINGS OF THE EIGHTH ANNUAL  
WORKSHOP WORLD MARICULTURE SOCIETY,  
SAN JOSE, COSTA RICA. 28P.  
Aquaculture Data Base No.: 3095

0490 1977  
SOME FEATURES OF THE DEVELOPMENT OF  
THE CARP, CYPRINUS CARPIO, UNDER  
HATCHERY CONDITIONS.  
SOIN, S.G.  
JOURNAL OF ICHTHYOLOGY 17 (5), 759-769.  
Aquaculture Data Base No.: 6035

1976

0491 1976  
THE BIOLOGICAL FEASIBILITY OF RAISING  
BAIT-SIZED RED SWAMP CRAWFISH,  
PROCAMBARUS CLARKII (GIRARD), IN  
LOUISIANA.  
HUNER, J.V.  
DISSERTATION ABSTRACTS INTERNATIONAL  
36 (7), 2P.  
Aquaculture Data Base No.: 4023

0492 1976  
THE BIOLOGY OF CHANNEL CATFISH  
PRODUCTION.  
GRAY, D.L.

UNIVERSITY OF ARKANSAS. COOPERATIVE  
EXTENTION SERVICE. CIRCULAR NO. 535, 3-14.  
Aquaculture Data Base No.: 4782

0493 1976  
COMPARATIVE GROWTH AND MORTALITY OF  
WINTER-CULTURED RAINBOW TROUT (SALMO  
GAIRDNERI) IN FRESHWATER AND BRACKISH  
WATER PONDS IN SOUTH ALABAMA.  
TATUM, W.  
PROCEEDINGS OF THE SEVENTH ANNUAL  
WORKSHOP WORLD MARICULTURE SOCIETY.  
SAN DIEGO, CALIFORNIA. 6P.  
Aquaculture Data Base No.: 2411

0494 1976  
DYNAMICS OF METABOLISM IN THE  
EMBRYONIC AND EARLY POST-EMBRYONIC  
DEVELOPMENT OF THE CARP CYPRINUS  
CARPIO.  
MOROZ, I.Y.; LUZHIN, B.P.  
JOURNAL OF ICHTHYOLOGY 16 (6), 964-970.  
Aquaculture Data Base No.: 4497

0495 1976  
THE GROWTH OF SIX SPECIES OF BIVALVE  
MOLLUSCS IN A WASTE-RECYCLING  
AQUACULTURE SYSTEM.  
MANN, R.; LOSORDO, T.M.  
WOODS HOLE OCEANOGRAPHIC INSTITUTION,  
CONTRIBUTON, 138-169. SEA GRANT NO.  
04-6-158-44016. NTIS PB-261 939.  
Aquaculture Data Base No.: 4867

0496 1976  
GROWTH OF THE CARRAGEENAN-PRODUCING  
TROPICAL RED SEAWEED HYPNEA  
MUSCIFORMIS IN SURFACE WATER, 870 M  
DEEP WATER, EFFLUENT FROM A CLAM  
MARICULTURE SYSTEM, AND IN DEEP WATER  
ENRICHED WITH ARTIFICIAL FERTILIZERS OR  
DOMESTIC SEWAGE.  
HAINES, K.C.  
PROCEEDINGS OF THE TENTH EUROPEAN  
SYMPOSIUM ON MARINE BIOLOGY. OSTEND,  
BELGIUM, SEPT. 17-23, 1975. 1, 207-220.  
Aquaculture Data Base No.: 3778

0497 1976  
LENGTH-WEIGHT RELATIONSHIP OF  
POND-RAISED MILKFISH IN THE PHILIPPINES.  
GROVER, J.H.; JULIANO, R.O.  
AQUACULTURE 7 (4), 339-346.  
Aquaculture Data Base No.: 2838

0498 1976  
OBSERVATIONS OF CRASSOSTREA VIRGINICA  
CULTURED IN THE HEATED EFFLUENT AND  
DISCHARGED RADIONUCLIDES OF A NUCLEAR  
POWER REACTOR.  
PRICE, A.H., II; HESS, C.T.; SMITH, C.W.  
PROCEEDINGS OF THE NATIONAL  
SHELLFISHERIES ASSOCIATION 66, 15P.  
Aquaculture Data Base No.: 3741

0499 1976  
PRELIMINARY STUDIES OF THE EFFECT OF  
TEMPERATURE ON GROWTH AND AMMONIA  
EXCRETION IN THE MANILA CLAM VENERUPIS  
SEMIDECUSSATA.  
MANN, R.; GLOMB, S.J.

WOODS HOLE OCEANOGRAPHIC INSTITUTION.  
CONTRIBUTION NO. 3824, 170-183. SEA GRANT  
NO. 04-7-158-44016. NTIS PB-261 939.  
Aquaculture Data Base No.: 4865

BOSTON UNIVERSITY. DEPARTMENT OF  
BIOLOGY THESIS. 32P.  
Aquaculture Data Base No.: 2494

1974

0500 1976  
PRODUCTION AND GROWTH OF MILKFISH,  
COMMON CARP, AND CATFISH IN FERTILIZED  
FRESHWATER PONDS.  
GROVER, J.H.; RECOMETA, R.D.; DUREZA, V.A.  
KALIKASAN, PHILIPPINE JOURNAL OF  
BIOLOGY 5, 193-206.  
Aquaculture Data Base No.: 4566

0507 1974  
AGE AND GROWTH OF LARGEMOUTH BASS IN  
CALIFORNIA FARM PONDS.  
SCHULTZE, R.F.  
CALIFORNIA FISH AND GAME 60 (2), 94-96.  
Aquaculture Data Base No.: 1738

0501 1976  
SETTLEMENT, GROWTH, AND PRODUCTION OF  
THE MUSSEL, MYTILUS EDULIS L., IN  
MORECAMBE BAY, ENGLAND.  
DARE, P.J.  
FISHERY INVESTIGATIONS SERIES II, MINISTRY  
OF AGRICULTURE, FISHERIES AND FOOD,  
LONDON, ENGLAND. 28 (1), 24P.  
Aquaculture Data Base No.: 3878

0508 1974  
Biology, culture and utilization of herbivorous fish.  
Biologiya, razvedenie i ispol'zovanie rastitel'noiadykh  
ryb. RUS.  
Poznanin, L P.  
Moskva : Vsesoiuznyi institut nauchnoi i tekhnicheskoi  
informatsii., 1974. 213 p. -.  
NAL Call No.: QL605.A118 v.5  
(Itogi nauki i tekhniki : Zoologiya pozvonochnykh ; v.  
5)  
(Errata slip inserted. Includes bibliographies.)

0502 1976  
THREE NEW GROWTH UNITS FOR STUDYING  
DIALYSIS CULTURES OF ALGAE ON  
WASTEWATER.  
DOR, I.; BELFORT, G.; BAHAT, A.  
PROCEEDINGS OF THE TENTH EUROPEAN  
SYMPOSIUM ON MARINE BIOLOGY. OSTEND,  
BELGIUM, SEPT. 17-23, 1975. 1, 61-69.  
Aquaculture Data Base No.: 3769

0509 1974  
Chlorella. Khlorella : metody massogo kul'tivirovaniia i  
primeneniie. RUSSIAN.  
Muzafarov, Akhrrar Muzafarovich.; Taubaev,  
Turkmenbai Taubaevich.  
Tashkent: "Fan"; 1974. 129, (1) p.: ill.  
NAL Call No.: QK569.C496M8  
At head of title: Akademiia nauk Uzbekskoi SSR.  
Otdel mikrobiologii.  
(Bibliography: p. 121-(130).)

1975

0503 1975  
AGE AND GROWTH OF BLUEGILL, LEPOMIS  
MACROCHIRUS, IN TWO HEATED TEXAS  
RESERVOIRS.  
SERNS, S.L.; STRAWN, K.  
TRANSACTIONS OF THE AMERICAN FISHERIES  
SOCIETY 104 (3), 506-512.  
Aquaculture Data Base No.: 4135

0510 1974  
EFFECTS OF SALINITY ON THE GROWTH OF  
PARALICHTHYS LETHOSTIGMA POSTLARVAE  
REARED UNDER AQUACULTURE CONDITIONS.  
STICKNEY, R.R.; WHITE, D.B.  
PROCEEDINGS SOUTHEASTERN ASSOCIATION  
OF GAME AND FISH COMMISSIONERS 27,  
532-540.  
Aquaculture Data Base No.: 1438

0504 1975  
Biochemically distinction of fish stock. Gyorui shuzoku  
no seikagaku teki hanbetsu.  
Tokyo: Koseisha Koseikaku; 1975. 122 p.: ill.  
NAL Call No.: QL639.1.G9  
(Includes bibliographies.)

0511 1974  
NUTRIENT ASSIMILATION AND GROWTH OF  
SOME SEAWEEDS IN MIXTURES OF SEA  
WATER AND SECONDARY SEWAGE TREATMENT  
EFFLUENTS.  
PRINCE, J.S.  
AQUACULTURE 4 (1), 69-79.  
Aquaculture Data Base No.: 2527

0505 1975  
BIOLOGICAL CONSIDERATIONS ON THE USE  
OF THERMAL EFFLUENTS FOR FINFISH  
AQUACULTURE.  
SYLVESTER, J.R.  
AQUACULTURE 6 (1), 1-10.  
Aquaculture Data Base No.: 7595

0512 1974  
OBSERVATIONS ON THE BIOLOGY OF  
MACROBRACHIUM AMERICANUM BATE FROM  
A POND ENVIRONMENT IN PANAMA.  
SMITHERMAN, R.O.; MOSS, D.D.; DIAZ, E.L.  
PROCEEDINGS OF THE FIFTH ANNUAL  
WORKSHOP WORLD MARICULTURE SOCIETY.  
CHARLESTON, SOUTH CAROLINA. 29-40.  
Aquaculture Data Base No.: 2623

0506 1975  
GROWTH OF HOMARUS AMERICANUS IN A  
POLYSPECIES AQUACULTURE SYSTEM WITH  
CRASSOSTREA VIRGINICA.  
LEVINE, J.S.

0513 1974  
SELECTIVE ELEVATION OF THE UPPER  
LETHAL TEMPERATURE OF THE MUMMICHOG  
FUNDULUS HETEROCLITUS (L.)  
(CYPRINODONTIDAE), WITH A STATEMENT OF  
ITS APPLICATION IN FISH CULTURE.



JEAN, R.; GARSIDE, E.T.  
CANADIAN JOURNAL OF ZOOLOGY 52 (4),  
433-435.  
Aquaculture Data Base No.: 2313

1973

0514 1973  
BIOLOGICAL OBSERVATIONS DURING  
REARING EXPERIMENTS WITH THE GARFISH  
BELONE BELONE.  
ROSENTHAL, H.; FONDS, M.  
MARINE BIOLOGY 21 (3), 203-218.  
Aquaculture Data Base No.: 515

0515 1973  
BLOOD INDICATORS OF THE CARP (CYPRINUS  
CARPIO (L.)) DURING ONTOGENY AND IN  
RELATION TO REARING CONDITIONS.  
IVANOVA, Z.A.  
JOURNAL OF ICHTHYOLOGY 13 (3), 414-424.  
Aquaculture Data Base No.: 586

0516 1973  
EFFECT OF LIGHT AND DARKNESS ON  
INCUBATION OF EGGS, LENGTH, WEIGHT AND  
SEXUAL MATURITY OF SEA TROUT (SALMO  
TRUTTA L.), BROWN TROUT (SALMO TRUTTA  
FARIO L.) AND RAINBOW TROUT (SALMO  
IRIDEUS G.).  
BIENIARZ, K.  
AQUACULTURE 2 (3), 299-315.  
Aquaculture Data Base No.: 613

0517 1973  
The effects of water hyacinths in channel catfish  
production ponds.  
Lovshin, Leonard Louis.  
1972: x, 82 leaves.  
NAL Call No.: DISS 73-5,223  
Photocopy of typescript. Ann Arbor: University  
Microfilms, 1973.  
Thesis--Auburn University.  
(Bibliography: leaves 55-57.)

0518 1973  
An estimation of lamprey-induced mortality in a lake  
trout population.  
Youngs, William Durwood.  
Ann Arbor, Mich: University Microfilms; 1973. ix, 147  
leaves.  
NAL Call No.: DISS 73-370  
Facsimile produced by microfilm-xerography.  
Thesis--Cornell University, 1972.  
(Bibliography: leaves 117-123.)

0519 1973  
THE GROWTH, SURVIVAL, AND FEEDING  
BEHAVIOR OF REDFISH (SCIAENOPS  
OCELLATA) IN PONDS RECEIVING HEATED  
DISCHARGE WATER FROM A POWER PLANT.  
LUEBKE, R.W.; STRAWN, K.  
PROCEEDINGS OF THE FOURTH ANNUAL  
WORKSHOP WORLD MARICULTURE SOCIETY.  
MONTERREY, MEXICO. 143-154.  
Aquaculture Data Base No.: 1095

0520 1973  
Polychaete abundance patterns in a marine soft-sediment  
environment : the importance of biological interactions.

Woodin, Sarah Ann  
Ann Arbor, Mich: University Microfilms; 1973. vii, 85  
leaves.

NAL Call No.: DISS 73-3,807  
Facsimile produced by microfilm-xerography.  
Thesis--University of Washington, 1972.  
(Bibliography: leaves 61-64.)

1972

0521 1972  
DEVELOPMENT OF COLOR PATTERN IN  
POND-REARED YOUNG OF FIVE MICROPTERUS  
SPECIES OF SOUTHEASTERN U. S.  
RAMSEY, J.S.; SMITHERMAN, R.O.  
PROCEEDINGS SOUTHEASTERN ASSOCIATION  
OF GAME AND FISH COMMISSIONERS 25,  
348-356.  
Aquaculture Data Base No.: 1055

0522 1972  
FUNDAMENTAL STUDIES ON PHYSIOLOGY OF  
ROTIFER FOR ITS MASS CULTURE - I. FILTER  
FEEDING OF ROTIFER.  
HIRAYAMA, K.; OGAWA, S.  
BULLETIN OF THE JAPANESE SOCIETY OF  
SCIENTIFIC FISHERIES 38 (11), 1207-1214.  
Aquaculture Data Base No.: 1147

0523 1972  
GLYCOGEN DYNAMICS IN PHASE E OOCYTES  
IN THE POND CARP (CYPRINUS CARPIO (L.)).  
DANILENKO, T.P.  
JOURNAL OF ICHTHYOLOGY 12 (1), 291-296.  
Aquaculture Data Base No.: 1403

0524 1972  
INDUCED AGGREGATION OF POND REARED  
RAINBOW TROUT (SALMO GAIRDNERI)  
THROUGH ACOUSTIC CONDITIONING.  
ABBOT, R.R.  
TRANSACTIONS OF THE AMERICAN FISHERIES  
SOCIETY 101 (1), 35-43.  
Aquaculture Data Base No.: 543

0525 1972  
THE MORPHOLOGICAL CHARACTERS OF  
RAINBOW TROUT, SALMO GAIRDNERI IRIDEUS  
GIBBONS, REARED IN POND FARMS OF THE  
WESTERN REGIONS OF THE UKRAINE.  
GALASUN, P.T.  
JOURNAL OF ICHTHYOLOGY 12 (1), 204-209.  
Aquaculture Data Base No.: 1401

1971

0526 1971  
Community structure of benthic macroinvertebrates as  
related to turbidity in farm ponds.  
Rainwater, Freddie Leon  
1970: vi, 45 leaves.  
NAL Call No.: DISS 70-21,462  
Photocopy of typescript. Ann Arbor: University  
Microfilms, 1971.  
Thesis--Oklahoma State University.  
(Bibliography: leaves 41-45.)

0527 1971  
The demography of the marine mussel, Mytilus  
californianus.



Ackermann, John McGee

1971: 200 leaves; 21 cm.

NAL Call No.: DISS 72-14,637

Photocopy of typescript. Ann Arbor: University Microfilms, 1972.

Thesis (Ph.D.)--University of California, Berkeley, 1971.

(Bibliography: leaves 191-200.)

0528 1971  
REGULATION OF GONAD DEVELOPMENT IN THE BAY SCALLOP, *AQUIPECTEN IRRADIANS* LAMARCH.

SASTRY, A.N.; BLAKE, N.J.

BIOLOGICAL BULLETIN 140, 274-283.

Aquaculture Data Base No.: 1762

0529 1971

SURVIVAL, GROWTH AND FECUNDITY OF HATCHERY-REARED RAINBOW TROUT AFTER EXPOSURE TO PULSATING DIRECT CURRENT. MAXFIELD, G.H.; LANDER, R.H.; LISCOM, K.L. TRANSACTIONS OF THE AMERICAN FISHERIES SOCIETY 100 (3), 546-552.

Aquaculture Data Base No.: 193

1970

0530 1970  
ALTERATION IN THE WEIGHT OF SALEABLE YEARLING CARP IN RELATION TO THE SIZE OF THE STOCKED FISH.

KOROVIN, V.A.; IGNAT'YEV, V.A.

JOURNAL OF ICHTHOLOGY 10 (6), 855-857.

Aquaculture Data Base No.: 1965

0531 1970  
DEVELOPMENT OF THE LINED SOLE, *ACHIRUS LINEATUS*, DESCRIBED FROM LABORATORY-REARED AND TAMPA BAY SPECIMENS.

HOUDE, E.D.; FUTCH, C.R.; DETWYLER, R.

FLORIDA DEPARTMENT OF NATURAL RESOURCES TECHNICAL SERIES NO. 62. 43P.

Aquaculture Data Base No.: 3248

0532 1970  
THE GROWTH AND SURVIVAL OF FINGERLING CHANNEL CATFISH FED COMPLETE AND IN COMPLETE FEEDS IN PONDS AND TROUGHS.

DUPREE, H.K.; GREEN, O.L.; SNEED, K.E.

THE PROGRESSIVE FISH-CULTURIST 32 (2), 85-92.

Aquaculture Data Base No.: 64

0533 1970  
NOTES ON SEX AND GROWTH OF EUROPEAN EELS IN FRESHWATER EEL-REARING PONDS. EGUSA, S.

BULLETIN OF THE JAPANESE SOCIETY OF SCIENTIFIC FISHERIES 36 (12), 1224-1225.

Aquaculture Data Base No.: 1264

0534 1970  
SENSITIVITY OF THE POND CARP TO HIGH TEMPERATURE IN EARLY STAGES OF POSTEMBRYONIC DEVELOPMENT.

TATARKO, K.I.

HYDROBIOLOGICAL JOURNAL 6 (1), 85-88.

Aquaculture Data Base No.: 2499

0535 1970

STUDIES ON THE OSMOREGULATION OF THE CHUM SALMON, *ONCORHYNCHUS KETA* (WALBAUM) III. THE TOLERANCE OF ADULT FISH REARED IN A SALT WATER POND TO FRESH WATER.

KASHIWAGI, M.; SATO, R.

THE TOHOKU JOURNAL OF AGRICULTURAL RESEARCH 21 (1), 26-31.

Aquaculture Data Base No.: 292

### 3: BREEDING AND GENETICS

1982

0536 1982

Applications of endocrinology to fish culture (Hormones, induced breeding, larval rearing).

Lam, T.J.

Canadian journal of fisheries and aquatic sciences = Journal canadien des sciences halieutiques et aquatiques; v. 39, (1), p. 111-137. ill. Jan 1982. (Ottawa: Govt. of Canada, Fisheries and Oceans.)

NAL Call No.: 442.9 C16J

Literature review.

(Includes 7 p. ref.)

0537 1982

CHINA UTILIZING 3 MILLION HECTARES FOR FISH BREEDING.

WICKRAMANAYAKE, D.

AQUACULTURE MAGAZINE 8 (5), 13-15.

Aquaculture Data Base No.: 9798

0538 1982

Comparative hatching success of lake trout eggs in Lake Michigan water and well water (*Salvelinus namaycush*).

Edsall, C.C.; Mac, M.J.

The Progressive fish culturist; v. 44, (1), p. 47-48. Jan 1982. ((s.l.): United States Fish and Wildlife Service.)

NAL Call No.: 157.5 P94

(Includes 9 ref.)

0539 1982

Cryopreservation of spermatozoa of some freshwater fishes cultured in South and Southeast Asia.

Withler, F.C.

Aquaculture; v. 26, (3/4), p. 395-398. Jan 1982.

(Amsterdam: Elsevier Scientific Publishing.)

NAL Call No.: SH1.A6

(Includes 6 ref.)

0540 1982

Development of twins from "overmature" eggs of the loach (*Misgurnus fossilis*). RUSSIAN.

Naser El-Din, Kh.; Sviatogor, G.P.

Nauchnye doklady vysshei shkoly; biologicheskie nauki;

(5), p. 45-48. ill. 1982. (Moskva: "Vysshaia shkola".)

NAL Call No.: 442.8 N22

(9 ref.)

0541 1982

Estradiol-17beta production in amago salmon (*Oncorhynchus rhodurus*) ovarian follicles: role of the thecal and granulosa cells.

Kagawa, H.; Young, G.; Adachi, S.; Nagahama, Y.

General comparative endocrinology; v. 47, (4), p. 440-448. ill. Aug 1982. (New York: Academic Press.)

NAL Call No.: 444.8 G28

(2 p. ref.)

0542 1982

Estradiol-17beta production in isolated amago salmon (*Oncorhynchus rhodurus*) ovarian follicles and its stimulation by gonadotropins.

Kagawa, H.; Young, G.; Nagahama, Y.

General comparative endocrinology; v. 47, (3), p. 361-365. July 1982. (New York: Academic Press.)

NAL Call No.: 444.8 G28

(1 p. ref.)

0543 1982

Genetic estimates for length and weight of coho salmon during freshwater rearing.

Iwamoto, R.N.; Saxton, A.M.; Hershberger, W.K.

The Journal of heredity; v. 73, (3), p. 187-191. May/June 1982. (Washington, D.C.: American Genetic Association.)

NAL Call No.: 442.8 AM3

(Includes 15 ref.)

0544 1982

Genetic variability in hatchery-produced Pacific oysters (*Crassostrea gigas* Thunberg).

Gosling, E.M.

Aquaculture; v. 26, (3/4), p. 273-287. ill. Jan 1982.

(Amsterdam: Elsevier Scientific Publishing.)

NAL Call No.: SH1.A6

(Includes 2 p. ref.)

0545 1982

Growth and reproductive development in fall chinook salmon: effects of sex hormones and their antagonists (*Oncorhynchus tshawytscha*).

Schreck, C.B.; Fowler, L.G.

Aquaculture; v. 26, (3/4), p. 253-263. ill. Jan 1982.

(Amsterdam: Elsevier Scientific Publishing.)

NAL Call No.: SH1.A6

(Includes 3 p. ref.)

0546 1982

Growth, biomass, and production of juvenile Atlantic salmon (*Salmo salar* L.) in two Miramichi River, New Brunswick, tributary streams (Canada).

Randall, R.G.; Paim, U.

Canadian journal of zoology = Journal canadien de zoologie; v. 60, (7), p. 1647-1659. map. July 1982.

(Ottawa, Can.: National Research Council of Canada.)

NAL Call No.: 470 C16D

(1 p. ref.)

0547 1982

Hatching in the pike *Esox lucius* L.: evidence for a single hatching enzyme and its immunocytochemical localization in specialized hatching gland cells.

Schoots, A.F.M.; Opstelten, R.J.G.; Denuce, J.M.

Developmental biology; v. 89, (1), p. 48-55. ill. Jan 1982.

(New York: Academic Press.)

NAL Call No.: 442.8 D49

(Bibliography p. 55.)

0548 1982

Improvement of techniques for carp fry production in the laboratory (*Cyprinus carpio*).

Rabelahatra, A.



BREEDING AND GENETICS

Aquaculture; v. 27, (3), p. 307-311. Apr 1982.  
(Amsterdam: Elsevier Scientific Publishing.)  
NAL Call No.: SH1.A6

0549 1982  
Induced breeding of ikan sebarau (*Hampala macrolepidota*, popular sport fish in Malaysia).  
Ambak, M.A.; Abidin, A.Z.; Mohsin, A.K.M.  
Pertanika; v. 5, (1), p. 117-118. July 1982. (Serdang, Selangor, Malaysia: Universiti Pertanian Malaysia.)  
NAL Call No.: S19.P4  
(5 ref.)

0550 1982  
PRESENT SITUATION AND SOME PROBLEMS OF MARINE FISH PROPAGATION IN JAPAN.  
IWASHITA, M.  
PROCEEDINGS OF THE NORTH PACIFIC AQUACULTURE SYMPOSIUM, ANCHORAGE, ALASKA, AUGUST 18-21, 1980, NEWPORT, OREGON, AUGUST 25-27, 1980, ALASKA SEA GRANT REPORT 82-2, 203-208.  
Aquaculture Data Base No.: 9728

0551 1982  
A simple technique for hatching grass carp eggs (*Ctenopharyngodon idella*).  
Torrans, E.L.; Robison, W.R.; Haskins, C.J.  
Arkansas farm research - Arkansas Agricultural Experiment Station; v. 31, (1), p. 14. Jan/Feb 1982. (Fayetteville, Ark.: The Station.)  
NAL Call No.: 100 AR42F

1981

0552 1981  
Application of electrophoretic genetic markers to fish breeding. IV. Assessment of breeding value of full-sib families.  
Brody, T.; Wohlfarth, G.; Hulata, G.; Moav, R.  
Aquaculture; v. 24, (1/2), p. 175-186. May 1981. (Amsterdam: Elsevier Scientific Publishing.)  
NAL Call No.: SH1.A6  
(17 ref.)

0553 1981  
The application of recent smoltification research to public hatchery releases: an assessment of size.  
Mahnken, C.; Prentice, E.; Waknitz, W.; Monan, G.; Sims, C.; Williams, J.  
Aquaculture; v. 28, (1/2), p. 251-268. ill. June 1982. (Amsterdam: Elsevier Scientific Publishing.)  
NAL Call No.: SH1.A6  
(2 p. ref.)

0554 1981  
Artificial mutagenesis and gynogenesis in carp breeding practice.  
Tsoi, R.M.  
Soviet genetics; v. 17, (6), p. 734-738. June 1981. (New York: Consultants Bureau.)  
NAL Call No.: QH431.A1G43  
Translated from: Genetika, p. 1095-1102. (QH431.A1G4).  
(8 ref.)

0555 1981  
Brazil's first oyster hatchery (*Crassostrea gigas*).  
Costa, P.F.; Martins, E.S.; Rodriguez, E.G.

Fish farming international; v. 8, (3), p. 26. ill. Sept 1981. (London: Arthur J. Heighway.)  
NAL Call No.: SH151.F5  
(3 ref.)

0556 1981  
Cape Cod Island uses solar hatchery to increase shellfish population.  
Keiffer, E.  
Aquaculture magazine; v. 7, (6), p. 12-13. Sept/Oct 1981. (Little Rock, Ark.: Briggs Associates, Inc.)  
NAL Call No.: SH1.C65

0557 1981  
Carp pituitary use described (as a breeding stimulant); benefits are available to all aquafarmers.  
Hayes, K.R.  
Aquaculture magazine; v. 7, (3), p. 18-19. Mar/Apr 1981. (Little Rock, Ark.: Briggs Associates, Inc.)  
NAL Call No.: SH1.C65  
(3 ref.)

0558 1981  
DESIGN FEATURES OF A CA HATCHERY IN BANGLADESH.  
SNELL, J.R.; CHOWDHARY, A.Q.; BAILEY, W.M.; SNEED, K.E.  
PROCEEDINGS OF THE BIO-ENGINEERING SYMPOSIUM FOR FISH CULTURE, TRAVERSE CITY, MICHIGAN, OCT.16-18, 1979, FCS OF AFS, 282-295.  
Aquaculture Data Base No.: 8947

0559 1981  
A desk study of the relationship between temperature and hatching time for the eggs of five species of salmonid fishes.  
Crisp, D.T.  
Freshwater biology; v. 11, (4), p. 361-368. ill. Aug 1981. (Oxford: Blackwell Scientific Publications.)  
NAL Call No.: QH96.F6  
(13 ref.)

0560 1981  
Developments in the breeding of culture fishes (Rearing).  
Pullin, R.S.V.; Kuo, C.M.  
New York: Academic Press; 1981. p. 899-978.  
NAL Call No.: S612.2.A38  
Literature review.  
(Bibliography p. 949-978.)

0561 1981  
Effect of different stocking combinations on growth, production and survival of milkfish (*Chanos chanos* Forskal) and prawn (*Penaeus monodon* Fabricius) in polyculture in brackishwater ponds.  
Eldani, A.; Primavera, J.H.  
Aquaculture; v. 23, (1/4), p. 59-72. ill. Apr 1981. (Amsterdam: Elsevier Scientific Publishing.)  
NAL Call No.: SH1.A6  
(18 ref.)

0562 1981  
Effect of different thermal regimes on reproductive cycles of the tench *Tinca tinca* (L.). VII. Embryonal development of progeny (Fish, Poland).  
Kokurewicz, B.



- Polskie archiwum hydrobiologii. = Polish archives of hydrobiology; v. 28, (2), p. 243-256. ill. 1981. (Warszawa: Panstwowe Wydawn. Naukowe.)  
NAL Call No.: 409.6 P76  
(26 ref.)
- 0563** 1981  
Effect of progesterone on the formation of the ovipositor in female bitterlings (*Rhodeus sericeus amarus* Bloch, 1782) (Teleostei, Cyprinidae) (European freshwater fish, breeding habits).  
Riehl, R.  
Experientia; v. 37, (9), p. 954-955. ill. Sept 15, 1981. (Basel: Birkhauser.)  
NAL Call No.: 475 EX7  
(7 ref.)
- 0564** 1981  
The effect of salinity and temperature on the larval development of the freshwater prawn, *Macrobrachium australiense* Holthuis, 1950 from south eastern Queensland, Australia.  
Lee, C.L.; Fielder, D.R.  
Aquaculture; v. 26, (1/2), p. 167-172. Nov 1981. (Amsterdam: Elsevier Scientific Publishing.)  
NAL Call No.: SH1.A6  
(13 ref.)
- 0565** 1981  
Effect of steroid and gonadotropic hormones on the maturation of carp ovaries. V. Ovulation, fertilization and embryonal development of carp oocytes in vitro.  
Epler, P.  
Polskie archiwum hydrobiologii. = Polish archives of hydrobiology; v. 22, (4), p. 119-125. ill. 1980. (Warszawa: Panstwowe Wydawn. Naukowe.)  
NAL Call No.: 409.6 P76  
(17 ref.)
- 0566** 1981  
The effect of stocking density on the growth, development and survival of *Penaeus indicus* Milne Edwards larvae (Prawns).  
Emmerson, W.D.; Andrews, B.  
Aquaculture; v. 23, (1/4), p. 45-57. ill. Apr 1981. (Amsterdam: Elsevier Scientific Publishing.)  
NAL Call No.: SH1.A6  
(Bibliography p. 56-57.)
- 0567** 1981  
Effects of estradiol-17beta and melatonin treatment on the hypophysis, testes and seminal vesicles of the catfish, *Heteropneustes fossilis* (Bloch) in the pre spawning season.  
Keshavanath, P.  
The Mysore journal of agricultural sciences; v. 5, (1), p. 136-141. 1981. (Hebbal, India: K. A. Jalibal.)  
NAL Call No.: S19.M9  
(1 p. ref.)
- 0568** 1981  
Effects of measurement errors on the assessment of (spawning) stock-recruitment relationships (Statistics).  
Walters, C.J.; Ludwig, D.  
Canadian journal of fisheries and aquatic sciences. = Journal canadien des sciences halieutiques et aquatiques; v. 38, (6), p. 704-710. ill. June 1981. (Ottawa: Govt. of Canada, Fisheries and Oceans.)  
NAL Call No.: 442.9 C16J  
(11 ref.)
- 0569** 1981  
The effects of powdered carp pituitary on ovarian development, ovarian ascorbic acid and ovulation in *Carassius carassius* L. exposed to various photoperiod and temperature regimes (Fish).  
Seymour, E.A.  
Journal of fish biology; v. 19, (6), p. 675-682. Dec 1981. (London: Academic Press.)  
NAL Call No.: QL614.J68  
(Bibliography p. 681-682.)
- 0570** 1981  
Effects of temperature and salinity on egg hatching and larval survival of red drum, *Sciaenops ocellata*.  
Holt, J.; Godbout, R.; Arnold, C.R.  
Fishery bulletin - United States, National Marine Fisheries Service; v. 79, (3), p. 569-573. July 1981. (Washington, D.C.: U.S. Government Printing Office.)  
NAL Call No.: 157.5 B87  
(Includes 18 ref.)
- 0571** 1981  
Embryonic and larval development of rohu-mrigal (carp) hybrid (by crossing male rohu (*Labeo rohita*) with female mrigal (*Cirrhinus mrigala*), India).  
Basavaraju, Y.; Varghese, T.J.  
Proceedings. Animal Sciences - Indian Academy of Sciences; v. 90, (4), p. 417-426. ill. July 1981. (Bangalore: The Academy.)  
NAL Call No.: QL1.I48  
(10 ref.)
- 0572** 1981  
Enumeration of spawning salmon (*Oncorhynchus tshawytscha*) from spawner residence time and aerial counts (Population estimate method, fisheries management).  
Neilson, J.D.; Geen, G.H.  
Transactions of the American Fisheries Society; v. 110, (4), p. 554-556. July 1981. (Lawrence, Kan.: The Society.)  
NAL Call No.: 414.9 AM3  
(6 ref.)
- 0573** 1981  
Fish rearing in Norway with special reference to genetic problems.  
Naevdal, G.  
Ecological bulletins; (34), p. 85-93. 1981. (Stockholm: Swedish Natural Science Research Council.)  
NAL Call No.: QH540.S7  
(Includes 17 ref.)
- 0574** 1981  
FORCED UPWELLING NURSERIES FOR OYSTERS AND CLAMS USING IMPOUNDED WATER SYSTEMS.  
BAYES, J.C.  
EUROPEAN MARICULTURE SOCIETY SPECIAL PUBLICATION NO.7, PROCEEDINGS OF THE INTERNATIONAL WORKSHOP ON NURSERY CULTURING OF BIVALVE MOLLUSCS, GHENT, BELGIUM, 24-26 FEB., 1981, 73-83.  
Aquaculture Data Base No.: 9434
- 0575** 1981  
The future of lagoon fish hatcheries will pass away from Pellestrina. Da Pellestrina passa il futuro della vallicoltura. ITALIAN.  
Mazzotti, L.

Informatore zootecnico; v. 28, (18), p. 76-81. ill. Sept 30, 1981. (Bologna: Edagricole.)  
NAL Call No.: 49 IN3

0576 1981  
A genetic analysis of body weight and length in rainbow trout reared in seawater for 18 months (*Salmo gairdneri*).  
Gunnes, K.; Gjedrem, T.  
Aquaculture; v. 24, (1/2), p. 161-174. ill. May 1981. (Amsterdam: Elsevier Scientific Publishing.)  
NAL Call No.: SH1.A6  
(31 ref.)

0577 1981  
Genetic bases of fish selection.  
Kirpichnikov, Valentin Sergeevich.  
Berlin: New York; Springer-Verlag - 1981. xi, 410 p.: ill.; 25 cm.  
NAL Call No.: SH155.5.K52  
Translation of: Geneticheskie osnovy selektsii ryb (SH155.5.K5) Includes indexes.  
(Bibliography: p. (319)-395.)

0578 1981  
Glassjar hatchery for Indian major carps and Chinese carps.  
Bhowmick, R.M.  
Indian journal of fisheries; v. 25, (1/2), p. 171-179. ill. 1978 (pub. 1981). (Cochin: Indian Council of Agricultural Research.)  
NAL Call No.: SH299.I5  
(Includes 9 ref.)

0579 1981  
Grass carp hybridization and observations of a grass carp X bighead hybrid (Aquatic weed management, biological control).  
Sutton, D.L.; Stanley, J.G.; Miley, W.W. II.  
Journal of aquatic plant management; v. 19, p. 37-39. ill. July 1981. (Fort Myers, Fla.: Aquatic Plant Management Society.)  
NAL Call No.: SB614.H9  
(18 ref.)

0580 1981  
HATCHERIES - THE MODERN JAPANESE MARICULTURE.  
COWAN, L.  
AUSTRALIAN FISHERIES 40 (3), 20-26, 55.  
Aquaculture Data Base No.: 9188

0581 1981  
HORMONE RESEARCH BENEFITS SALMON AQUACULTURE.  
DICKHOFF, W.; SOWER, S.  
UNIVERSITY OF WASHINGTON SEA GRANT, CURRENT MAINE RESEARCH & ACTIVITIES - NEWS LEADS, 1 PG.  
Aquaculture Data Base No.: 8957

0582 1981  
Improvement of spawning and rearing habitat for salmon (*Oncorhynchus tshawytscha*).  
Hall, J.D.; Field-Dodgson, M.S.

Occasional publication - Fisheries Research Division; (30), p. 21-28. ill. 1981. (Wellington: New Zealand Ministry of Agriculture and Fisheries.)  
NAL Call No.: SH318.5.A1N4  
(Includes 2 p. ref.)

0583 1981  
Induced fish breeding in Southeast Asia : report of a workshop held in Singapore 25-28 November 1980.  
Davy, F. Brian.; Chouinard, Amy.  
Ottawa, Canada: International Development Research Centre; 1981. 48 p.: ill.; 25 cm. - 4 microfiches (11 x 15 cm.).  
NAL Call No.: SH155.7.I5  
(IDRC ; 178e)  
(Bibliography: p. 39-48.)

0584 1981  
Induced ovulation in coho salmon (*Oncorhynchus kisutch*). II. Preliminary study of the use of LH-RH and two high potency LH-RH (Luteinizing hormone-releasing hormone) analogues.  
Donaldson, E.M.; Hunter, G.A.; Dye, H.M.  
Aquaculture; v. 26, (1/2), p. 129-141. ill. Nov 1981. (Amsterdam: Elsevier Scientific Publishing.)  
NAL Call No.: SH1.A6  
(21 ref.)

0585 1981  
Infusoria as an indicator of autoeutrophication, its culture for fish larvae.  
Widjaja, F.T.; Suwignyo, S.  
Proceedings - International Association of Theoretical and Applied Limnology; v. 21, (pt.3), p. 1503-1506. 1981. (Stuttgart: E. Schweizerbart'sche Verlagsbuchhandlung.)  
NAL Call No.: QH96.A1I58  
(Includes 4 ref.)

0586 1981  
Intensive culture of largemouth bass fry (*Micropterus salmoides*).  
Willis, D.W.; Flickinger, S.A.  
Transactions of the American Fisheries Society; v. 110, (5), p. 650-655. Sept 1981. (Lawrence, Kan.: The Society.)  
NAL Call No.: 414.9 AM3  
(28 ref.)

0587 1981  
Juvenile production and yield in quinnat salmon.  
Hopkins, C.L.  
Occasional publication - Fisheries Research Division; (30), p. 11-14. ill. 1981. (Wellington: New Zealand Ministry of Agriculture and Fisheries.)  
NAL Call No.: SH318.5.A1N4  
(Includes 5 ref.)

0588 1981  
Laboratory studies on effects of temperature and delayed initial feeding on development of striped bass larvae (*Morone saxatilis*).  
Rogers, B.A.; Westin, D.T.  
Transactions of the American Fisheries Society; v. 110, (1), p. 100-110. ill. Jan 1981. (Lawrence, Kan.: The Society.)  
NAL Call No.: 414.9 AM3  
(Bibliography p. 108-110.)

0589 1981  
MANAGEMENT AND SELECTION OF CATFISH BROODSTOCK.



CHAPPELL, J.  
AQUACULTURE MAGAZINE 7 (2), 24-29.  
Aquaculture Data Base No.: 8681

0590 1981  
MANITOBA TESTING HATCHERY HELPED BY  
THE SUN'S HEAT.  
WRAY, T.  
FISH FARMING INTERNATIONAL 8 (1), 28, 31, 33.  
Aquaculture Data Base No.: 8824

0591 1981  
Measurement and control of hatchery functions (Fish  
management).  
Jefferts, K.B.  
Proceedings of the Bio-Engineering Symposium for Fish  
Culture / edited by Lochie Jo Allen and Edward C.  
Kinney; p. 128-130. 1981. (Bethesda, Md.: Fish Culture  
Section of the American Fisheries Society.)  
NAL Call No.: SH151.B54 1979  
(2 ref.)

0592 1981  
Measurement errors and uncertainty in parameter  
estimates for (spawning) stock and recruitment.  
Ludwig, D.; Walters, C.J.  
Canadian journal of fisheries and aquatic sciences. =  
Journal canadien des sciences halieutiques et aquatiques;  
v. 38, (6), p. 711-720. ill. June 1981. (Ottawa: Govt. of  
Canada, Fisheries and Oceans.)  
NAL Call No.: 442.9 C16J  
(11 ref.)

0593 1981  
The mechanisms of hypothalamic luteinizing hormone  
releasing hormone the analogues (LRH-A). 1. A study on  
histophysiology of pituitary gland (*Tilapia mossambica*).  
Fang, Y.C.; Wang, M.; Xu, R.I.  
Acta zoologica sinica; v. 27, (3), p. 203-207. Sept 1981.  
(Peking, China: (s.n.))  
NAL Call No.: 410 AC87  
(2 p. ref.)

0594 1981  
A model of the recruitment formation of spawning stock  
taking into account weight growth of fishes.  
Chetkov, M.A.; Kriksunov, E.A.  
Doklady. Biological sciences - Akademiia nauk SSSR; v.  
253, (1/6), p. 320-321. July/Aug 1980 (pub. 1981). (New  
York: Consultants Bureau.)  
NAL Call No.: 511 P444AEB  
Translated from: Akademiia nauk SSSR, Doklady, (3)  
p. 759-760. (511 P444A).  
(6 ref.)

0595 1981  
New tilapia breeding system tested on Kenya farm.  
Haller, R.D.; Parker, I.S.C.  
Fish farming international; v. 8, (1), p. 14, 17-18. ill.  
Mar 1981. (London: Arthur J. Heighway.)  
NAL Call No.: SH151.F5

0596 1981  
Nitrogen gas removal using packed columns (Fish  
hatcheries).  
Owsley, D.E.

Proceedings of the Bio-Engineering Symposium for Fish  
Culture / edited by Lochie Jo Allen and Edward C.  
Kinney; p. 71-82. ill. 1981. (Bethesda, Md.: Fish Culture  
Section of the American Fisheries Society.)  
NAL Call No.: SH151.B54 1979  
(2 p. ref.)

0597 1981  
A NOTE ON THE BREEDING AND GROWTH  
RATES OF THE CATFISH CLARIAS  
MOSSAMBICUS IN KENYA.  
CHRISTENSEN, M.S.  
AQUACULTURE 25 (2,3), 285-288.  
Aquaculture Data Base No.: 9553

0598 1981  
NURSERY CULTURE OF BIVALVE MOLLUSCS IN  
IRELAND - PROGRESS AND PROBLEMS.  
MERCER, J.P.  
EUROPEAN MARICULTURE SOCIETY SPECIAL  
PUBLICATION NO.7, PROCEEDINGS OF THE  
INTERNATIONAL WORKSHOP ON NURSERY  
CULTURING OF BIVALVE MOLLUSCS, GHENT,  
BELGIUM, 24-26 FEB., 1981, 189-195.  
Aquaculture Data Base No.: 9441

0599 1981  
Production of reproductive material of the autochthonous  
brook trout of the waters of the upper Zeta River  
(Yugoslavia). Proizvodna reprodukcijonog materijala  
autohtone potocne pastrmke voda gornje Zete.  
SERBO-CROATIAN.  
Drecun, D.; Braletic, D.  
Poljoprivreda i sumarstvo; v. 27, (2), p. 61-69. 1981.  
(Titograd: Savez poljoprivrednih inženjera i tehnicara  
Crne Gore.)  
NAL Call No.: 21.5 N172

0600 1981  
Rapid determination of the sex of puberal salmonid fish  
by a technique of immunoagglutination (to optimize the  
administration of stocks of breeders).  
Bail, P.Y. le.; Breton, B.  
Aquaculture; v. 22, (4), p. 367-375. ill. Mar 1981.  
(Amsterdam: Elsevier Scientific Publishing.)  
NAL Call No.: SH1.A6  
(18 ref.)

0601 1981  
Rate of embryonal-larval development of salmon (*Salmo  
salar* L.). RUSSIAN.  
Pavlov, D.A.; Friedrich, F.  
Nauchnye doklady vysshei shkoly; biologicheskie nauki;  
(4), p. 45-51. ill. 1981. (Moskva: "Vysshiaia shkola".)  
NAL Call No.: 442.8 N22  
(17 ref.)

0602 1981  
THE RATIONALE AND RELEVANCE OF  
GENETICS IN AQUACULTURE; AN OVERVIEW.  
WILKINS, N.P.  
AQUACULTURE 22 (3), 209-228.  
Aquaculture Data Base No.: 8752

0603 1981  
Razor clams, *Siliqua patula* (Dixon): gonadal  
development, induced spawning and larval rearing.  
Breese, W.P.; Robinson, A.



BREEDING AND GENETICS

Aquaculture; v. 22, (1/2), p. 27-33. ill. Jan 1981.  
(Amsterdam: Elsevier Scientific Publishing.)  
NAL Call No.: SH1.A6  
(7 ref.)

0604 1981  
ROUND TABLE DISCUSSION ON ECONOMIC ASPECTS OF NURSERY OPERATIONS.  
LE BORGNE, Y.  
EUROPEAN MARICULTURE SOCIETY SPECIAL PUBLICATION NO.7, PROCEEDINGS OF THE INTERNATIONAL WORKSHOP ON NURSERY CULTURING OF BIVALVE MOLLUSCS, GHENT, BELGIUM, 24-26 FEB., 1981, 359-380, 387-388.  
Aquaculture Data Base No.: 9452

0605 1981  
ROUND TABLE DISCUSSION ON NURSERY REARING TECHNOLOGIES.  
BAYES, J.  
EUROPEAN MARICULTURE SOCIETY SPECIAL PUBLICATION NO.7, PROCEEDINGS OF THE INTERNATIONAL WORKSHOP ON NURSERY CULTURING OF BIVALVE MOLLUSCS, GHENT, BELGIUM, 24-26 FEB., 1981, 337-358, 383-385.  
Aquaculture Data Base No.: 9451

0606 1981  
SMALL-SCALE CULTURE TECHNIQUES FOR OBTAINING SPAWNS FROM FISH.  
BUYNAK, G.L.  
THE PROGRESSIVE FISH-CULTURIST 43 (1), 38-39.  
Aquaculture Data Base No.: 8657

0607 1981  
Spawning induction and rearing of larvae of tridacnid clams (*Bivalvia: Tridacnidae*).  
Gwyther, J.; Munro, J.L.  
Aquaculture; v. 24, (3/4), p. 197-217. ill. June 1981.  
(Amsterdam: Elsevier Scientific Publishing.)  
NAL Call No.: SH1.A6  
(Bibliography p. 215-217.)

0608 1981  
Spawning, egg and early larval development, and growth of *Acanthopagrus cuvieri* (*Sparidae*) (Fishes inhabiting Arabian Gulf waters, Kuwait).  
Hussain, N.; Akatsu, S.; El-Zahr, C.  
Aquaculture; v. 22, (1/2), p. 125-136. ill. Jan 1981.  
(Amsterdam: Elsevier Scientific Publishing.)  
NAL Call No.: SH1.A6  
(4 ref.)

0609 1981  
Studies on mechanism of action of luteinizing releasing hormone (LH-RH) in ovulation of fish (*Mud-carp* (*Cirrhinus molitorella*)). Intracellular distribution of LH-RH-A (a nonapeptide) in pituitary gonadotrophs as revealed by electron-microscopic autoradiography.  
Xinguang, P.; Dayuan, C.; Zenghan, Z.; Yitao, Z.; Xuekun, Z.; Haoran, L.; Zhensheng, L.; Ding, L.  
Scientia sinica; v. 24, (7), p. 980-988. ill. July 1981.  
(Beijing, China: Science Press.)  
NAL Call No.: 475 AC87  
(18 ref.)

0610 1981  
STUDIES ON SOME ASPECTS OF BIOLOGY AND MORPHOLOGY OF THE INTERGENERIC HYBRID, CATLA CATLA HAMILTON X LABEO ROHITA HAMILTON PRODUCED BY HYPOPHYSATION.

BHOWMICK, R.M.; JANA, R.K.; GUPTA, S.D.; KOWTAL, G.V.; ROUT, M.  
AQUACULTURE 23 (1-4), 367-371.  
Aquaculture Data Base No.: 8902

0611 1981  
Technology in aquaculture: controlling egg production in rainbow trout.  
Whitehead, C.; Forster, J.  
Fish farming international; v. 8, (4), p. 43-44. ill. Dec 1981. (London: Arthur J. Heighway.)  
NAL Call No.: SH151.F5

0612 1981  
Temperature and salinity effects on development of striped bass (*Morone saxatilis*) eggs and larvae.  
Morgan, R.P.; Rasin, J. JR.  
Transactions of the American Fisheries Society; v. 110, (1), p. 95-99. ill. Jan 1981. (Lawrence, Kan.: The Society.)  
NAL Call No.: 414.9 AM3  
(Bibliography p. 98-99.)

0613 1981  
TRENDS IN NURSERY REARING OF BIVALVE MOLLUSCS.  
CLAUS, C.  
EUROPEAN MARICULTURE SOCIETY SPECIAL PUBLICATION NO.7, PROCEEDINGS OF THE INTERNATIONAL WORKSHOP ON NURSERY CULTURING OF BIVALVE MOLLUSCS, GHENT, BELGIUM, 24-26 FEB., 1981, 1-33.  
Aquaculture Data Base No.: 9432

1980

0614 1980  
ADDITIONAL EXPERIMENTS ON THE GROWTH OF JUVENILES AND FINGERLINGS OF THE EUROPEAN SEA BASS (*DICENTRARCHUS LABRAX L.*).  
CHERVINSKI, J.; SHAPIRO, J.  
BAMIDGEH 32 (3), 78-86.  
Aquaculture Data Base No.: 8443

0615 1980  
Agreement on the points for trout rearing (Staggia steam in Tuscany). Nel cosentino si punta sulle trote. ITALIAN.  
Nutti, C.  
Informatore zootecnico; v. 27, (9), p. 80-81. ill. May 15, 1980. (Bologna: Edagricole.)  
NAL Call No.: 49 IN3

0616 1980  
Application of electrophoretic genetic markers to fish breeding. III. Diallel analysis of growth rate in carp.  
Brody, T.; Storch, N.; Krisht, D.; Hulata, G.; Wohlfarth, G.; Moav, R.  
Aquaculture; v. 20, (4), p. 371-379. ill. Aug 1980.  
(Amsterdam: Elsevier Scientific Publishing.)  
NAL Call No.: SH1.A6  
(12 ref.)

0617 1980  
The application of genetic improvement techniques to seaweed cultivation. I. Strain selection in the carrageenophyte *Chondrus crispus* (Algae).  
Cheney, D.; Mathieson, A.; Schubert, D.

Proceedings - International Seaweed Symposium; (10th),  
p. 559-567. 1980. (Berlin: W. de Gruyter.)  
NAL Call No.: QK564.I52  
(17 ref.)

0618 1980  
Application of genetics in aquaculture (Breeding of fishes).  
Smith, P.J.  
Occasional publication - Fisheries Research Division;  
(27), p. 51-56. 1980. (Wellington, New Zealand Ministry of Agriculture and Fisheries.)  
NAL Call No.: SH318.5.A1N4

0619 1980  
APPROACHES TO THE STUDY OF DOMESTICATION IN THE FRESHWATER PRAWN, MACROBRACHIUM ROSENBERGII, WITH SPECIAL EMPHASIS ON THE ANUENUE AND MALAYSIAN STOCKS.  
MALECHA, S.; SARVER, D.; ONIZUKA, D.  
PROCEEDINGS OF THE ELEVENTH ANNUAL MEETING, WORLD MARICULTURE SOCIETY, NEW ORLEANS, LOUISIANA, MARCH 5-8, 1980, 500-528.  
Aquaculture Data Base No.: 9061

0620 1980  
The artificial propagation of warm-water finfishes : a manual for extension.  
Woynarovich, E.; Horvath, L.  
Rome: Food and Agriculture Organization of the United Nations; 1980. xi, 183 p.: ill.; 28 cm.  
NAL Call No.: SH1.F2 no.201  
"FIR/T201(En)".  
(FAO fisheries technical paper ; no. 201)

0621 1980  
Biogeochemical situation and use of microfertilizers on spawning-nursery farms of the Volga delta (USSR, fish farming). RUSSIAN.  
Vorob'ev, V.I.; Shkodin, N.V.  
Rol' mikroelementov v zhizni vodoemov, Akademiia nauk SSSR, Vsesoiuznoe gidrobiologicheskoe oshchestvo ; (otvetstvennyi redaktor V. T. Vorob'ev); p. 75-106. ill. 1980. (Moskva: Nauka.)  
NAL Call No.: SH154.R6  
(18 ref.)

0622 1980  
Breedüing and intensive farming of the shrimp Penaeus kerathurus (Forskael 1775) from egg to post-larva = Riproduzione ed allevamento intensivo di Penaeus kerathurus (Forskael, 1775) dall'uovo alla post-larva.  
Lumare, F.  
Washington, D.C: NOAA; 1980. 29 leaves.  
NAL Call No.: TRANSL 26800  
Translated from Italian Translated from: Bulletin of hydrobiological fisheries, 1971, 26, 1 & 2, p. 209-236.  
(Bibliography: leaf 27.)

0623 1980  
BREEDING OF PENAEUS MONODON IN FARM POND UNDER CAPTIVITY.  
HALDER, D.D.  
PROCEEDINGS OF THE FIRST NATIONAL SYMPOSIUM ON SHRIMP FARMING, BOMBAY, 16-18 AUG., 1978, THE MARINE PRODUCTS EXPORT DEVELOPMENT AUTHORITY, 43-46.  
Aquaculture Data Base No.: 9240

0624 1980  
The breeding of shrimp. L'eleavage des crevettes peneides. FRENCH.  
Bossier, Henri  
Toulouse, France: Ecole nationale veterinaire; 1980. 107, vii p.: ill.; 24 cm.  
NAL Call No.: 41.2 T646 1980 no.30  
(Toulouse. Ecole nationale veterinaire. These ; 1980, no. 30)  
(Bibliography: p. i-vii.)

0625 1980  
BREEDING THE COMMON GOLDFISH.  
COWLEY, R.C.  
THE AQUARIST AND PONDKEEPER 45 (8), 26-28.  
Aquaculture Data Base No.: 8414

0626 1980  
Broodstock management of Crassostrea gigas (Pacific oysters). I. Genetic and environmental variation in survival in the larval rearing system.  
Lannan, J.E.  
Aquaculture; v. 21, (4), p. 323-336. ill. Dec 1980. (Amsterdam: Elsevier Scientific Publishing.)  
NAL Call No.: SH1.A6  
(11 ref.)

0627 1980  
Broodstock management of Crassostrea gigas (Pacific oysters). II. Broodstock conditioning to maximize larval survival.  
Lannan, J.E.; Robinson, A.; Breese, W.P.  
Aquaculture; v. 21, (4), p. 337-345. ill. Dec 1980. (Amsterdam: Elsevier Scientific Publishing.)  
NAL Call No.: SH1.A6  
(3 ref.)

0628 1980  
Broodstock management of Crassostrea gigas (Pacific oysters). III. Selective breeding for improved larval survival.  
Lannan, J.E.  
Aquaculture; v. 21, (4), p. 347-351. Dec 1980. (Amsterdam: Elsevier Scientific Publishing.)  
NAL Call No.: SH1.A6  
(5 ref.)

0629 1980  
Broodstock management of Crassostrea gigas (Pacific oysters). IV. Inbreeding and larval survival.  
Lannan, J.E.  
Aquaculture; v. 21, (4), p. 353-356. Dec 1980. (Amsterdam: Elsevier Scientific Publishing.)  
NAL Call No.: SH1.A6  
(5 ref.)

0630 1980  
Changes of two types of pituitary gonadotrophs in whitespotted char, Salvelinus leucomaenis, during gonadal development (Fish).  
Ueda, H.  
Hokkaido Daigaku Suisangaku-bu kenkyu iho. = Bulletin of the Faculty of Fisheries, Hokkaido University; v. 31, (1), p. 1-15. ill. Mar 1980. (Hakodate, Japan: The Faculty.)  
NAL Call No.: 414.9 H682  
(21 ref.)

0631 1980  
Channel Island (of Guernsey) oyster farm in a quarry (System for the nursery rearing of hatchery produced shellfish seed).



BREEDING AND GENETICS

Fish farming international; v. 7, (4), p. 26-27. ill. Dec 1980. (London: Arthur J. Heighway.)  
NAL Call No.: SH151.F5

0632 1980  
Channelization and livestock impacts on salmonid (*Salmo clarki*, *Oncorhynchus kisutch*, *Salmo gairdneri*) habitat and biomass in western Washington.  
Chapman, D.W.; Knudsen, E.  
Transactions of the American Fisheries Society; v. 109, (4), p. 357-363. map. July 1980. (Lawrence, Kan.: The Society.)  
NAL Call No.: 414.9 AM3  
(11 ref.)

0633 1980  
A comparative study of the growth of rohu mrigal and mrigal-rohu hybrids and their parental species (Fish breeding, India).  
Basavaraju, Y.; Varghese, T.J.  
The Mysore journal of agricultural sciences; v. 14, (3), p. 388-385. ill. 1980. (Hebbal, Bangalore: University of Agricultural Sciences.)  
NAL Call No.: S19.M9  
(11 ref.)

0634 1980  
Coping with adhesive eggs (Fish culture).  
Martin, M.  
Aquaculture magazine; v. 6, (6), p. 40. ill. Sept/Oct 1980. (Little Rock, Ark.: Briggs Associates, Inc.)  
NAL Call No.: SH1.C65

0635 1980  
A crop of *Sepia officinalis* L. obtained in Lesina lagoon by the sowing of eggs: first results. Uova di *Sepia officinalis* L. seminate nella laguna di Lesina a scopo di pesca: prime esperienze. ITALIAN.  
Breber, P.; Palmegiano, G.B.  
Atti, Serie B: Memorie - Societa toscana di scienze naturali; v. 86, (suppl.), p. 127-133. ill. 1979 (pub. 1980). (Pisa: La Societa.)  
NAL Call No.: 507 SO12  
(4 ref.)

0636 1980  
Cross-breeding experiments with grass carp and bighead : reslts of karyological & morphological examinations of the F1 hybrid = *Az amur es pettyes busa keresztezese*, a fajhibrid morfologiai es kariologiai vizsgalatanak eredmenyei.  
Krasznai, Zoltan.  
Washington, D.C: NOAA; 1980. 12 leaves; 28 cm.  
NAL Call No.: TRANSL 27186  
Translated from Hungarian Translated from: Fish Breeding Research Institute, Szarvas, 1977.

0637 1980  
Cytogenetic studies on fishes. II. Karyotype analysis of *Cyprinus carpio* and *Carassius auratus* by peripheral blood lymphocyte culture. CHINESE.  
Wu, C.A.; Yang, H.I.  
I ch'uan hsueh pao. = Acta genetica Sinica; v. 7, (4), p. 370-375. 2 plates. Dec 1980. (Peking: K'o hsueh ch'u pan she.)  
NAL Call No.: QH431.I17  
(24 ref.)

0638 1980  
Development of the primary gonad in the mangrove oyster *Crassostrea rhizophorae*: age and light at first spawning. Desenvolvimento da gonada primaria em ostras de mangue *Crassostrea rhizophorae*: idade e tamanho minimos de maturacao sexual. PORTUGUESE.  
McGuire, A.B.

Nascimento, I.A.; Silva, E.M. da.; Ramos, M.I.S.; Santos, A.E.D.  
Ciencia e cultura - Sociedade Brasileira para o Progresso da Ciencia; v. 32, (6), p. 736-742. ill. June 1980. (Sao Paulo: A Sociedade.)  
NAL Call No.: Q33.C5  
(14 ref.)

0639 1980  
Early osteological development of white perch (*Morone americana*) and striped bass (*Morone saxatilis*) with emphasis on identification of their larvae.  
Fritzsche, R.A.; Johnson, G.D.  
Transactions of the American Fisheries Society; v. 109, (4), p. 387-406. ill. July 1980. (Lawrence, Kan.: The Society.)  
NAL Call No.: 414.9 AM3  
(21 ref.)

0640 1980  
Effect of starvation on hatch survivability of whitefish (*Coregonus albula* L.), Lavaret (*Coregonus lavaretus* L.) and *Coregonus peled* Gmel. Wplyw glodowania na przezywalnosc wylegu sielawy (*Coregonus albula* L.) siei (*Coregonus lavaretus* L.) i pelugi (*Coregonus peled* Gmel.). POLISH.  
Grudniewski, C.  
Zeszyty naukowe. Ochrona wod i rybactwo srodladowe - Akademia Rolniczo-Techniczna w Olsztynie; (10), p. 3-38. ill., 5 plates. 1980. (Olsztyn: Wydawn. Akademii.)  
NAL Call No.: S900.A3  
(85 ref.)

0641 1980  
Effects of chlorine-produced oxidants on survival of larvae of the oyster *Crassostrea virginica*.  
Roosenburg, W.H.; Rhoderick, J.C.; Block, R.M.; Kennedy, V.S.; Gullans, S.R.; Vreenegoor, S.M.; Rosenkranz, A.; Collette, C.  
Marine ecology progress series; v. 3, (2), p. 93-96. ill. 1980. (Halstenbek, Ger.: Inter-Research.)  
NAL Call No.: QH541.5.S3M32  
(14 ref.)

0642 1980  
The effects of low pH on hatching of Atlantic salmon eggs.  
Peterson, R.H.; Daye, P.G.; Metcalfe, J.L.  
Proceedings ... Ecological impact of acid precipitation; p. 328. ill. 1980. (Oslo: SNSF-prosjektet.)  
NAL Call No.: QH545.A17I5  
(Includes 10 ref.)

0643 1980  
Escapement goals for coho salmon (*Oncorhynchus kisutch*) in coastal Oregon streams (Stock recruitment, spawning survey data, models).  
Beidler, W.M.; Nickelson, T.E.; McGie, A.M.  
Information report series, fisheries; (80-10), 30 p. ill. Nov 1980. (Corvallis: Oregon Department of Fish and Wildlife, Research and Development Section.)  
NAL Call No.: SH1.I55  
(18 ref.)

0644 1980  
First U.S. sturgeon hatchery started at University of California Davis Campus.  
McGuire, A.B.



Aquaculture magazine; v. 6, (6), p. 4-5. ill. Sept/Oct 1980. (Little Rock, Ark.: Briggs Associates, Inc.)  
NAL Call No.: SH1.C65

0645 1980  
Fish breeding-problems and possibilities. Norsk fiskeoppdrett-problemer og muligheter : en undersøkelse av etablerings- og driftsproblemer basert på innsamlet materiale for 1978. NORWEGIAN.  
Bringsvor, Alfr; Gerhardsen, Gerhard Meidell  
Bergen: FiskeriØkonomisk institutt ved Norges handelshØyskole; 1980. vii, 83 leaves; 30 cm.  
NAL Call No.: SH87.b74  
(Bibliography: leaf 82.)

0646 1980  
Fishes of commercial importance in the Lake of Sbaudia. I. A methodology for intensive breeding of seabream *Diplodus sargus* (L.) and seabass *Dicentrarchus labrax* (L.). Le specie ittiche del lago di Sabaudia di prevalente interesse economico. I. Una metodica per l'allevamento intensivo di *Dicentrarchus labrax* (L.) e *Diplodus sargus* (L.). ITALIAN.  
Costa, C.; Minervini, R.  
Atti; Serie B: Memorie - Societa toscana di scienze naturali; v. 86, (suppl.), p. 108-111. ill. 1979 (pub. 1980). (Pisa: La Societa.)  
NAL Call No.: 507 SO12  
(3 ref.)

0647 1980  
Genetic changes in hatchery stocks of brown trout (*Salmo trutta*).  
Ryman, N.; Stahl, G.  
Canadian journal of fisheries and aquatic sciences. = Journal canadien des sciences halieutiques et aquatiques; v. 37, (1), p. 82-87. ill., maps. Jan 1980. (Ottawa: Govt. of Canada, Fisheries and Oceans.)  
NAL Call No.: 442.9 C16J  
(18 ref.)

0648 1980  
Genetic differentiation of chum salmon populations and effectiveness of some acclimatization measures (Sakhalin, Kurile, and Amur stocks).  
Altukhov, Yu.P.; Salmenkova, E.A.; Ryabova, G.D.; Kulikova, N.I.  
The Soviet journal of marine biology; v. 6, (3), p. 125-138. ill., map. May/June 1980. (New York: Consultants Bureau.)  
NAL Call No.: QH91.A1S6  
Translated from: *Biologiya moria*, p. 23-38. (QH91.A1S58).  
(16 ref.)

0649 1980  
Genetics and breeding of aquatic creatures.  
Teaneck, N.J.: Ansel Translations; 1980. 2, 244 leaves; 28 cm.  
NAL Call No.: QL638.99.G4  
Translated from the Japanese "Japanese Fisheries Society, Fishereis series no. 26."  
(Includes bibliographical references.)

0650 1980  
Gonadal maturation in the abalone, *Haliotis discus hannai* at Taisei, Hokkaido (Breeding season).  
Mugiya, Y.; Kobayashi, J.; Nishikawa, N.; Motoya, S.

Hokkaido Daigaku Suisangaku-bu kenkyu iho. = Bulletin of the Faculty of Fisheries, Hokkaido University; v. 31, (4), p. 306-313. ill. map. Nov 1980. (Hakodate, Japan: The Faculty.)  
NAL Call No.: 414.9 H682  
(8 ref.)

0651 1980  
The gonadotropic stimulation of androgen production on carp (*Cyprinus carpio*) testis in vitro.  
Huang, H.L.; Chang, Y.H.  
Proceedings of the National Science Council; v. 4, (4), p. 392-400. ill. Oct 1980. (Taipei: The Council.)  
NAL Call No.: Q180.C6K8  
(27 ref.)

0652 1980  
Growth and production of mussels *Mytilus edulis* from two populations.  
Bayne, B.L.; Worrall, C.M.  
Marine ecology progress series; v. 3, (3), p. 317-328. ill. 1980. (Halstenbek, Ger.: Inter-Research.)  
NAL Call No.: QH541.5.S3M32  
(Bibliography p. 327-328.)

0653 1980  
GROWTH AND SURVIVAL RATES OF HATCHERY-PRODUCED AND WILD MILKFISH FRY GROWN TO FINGERLING SIZE IN EARTHEN NURSERY PONDS.  
BALIAO, D.D.; RODRIGUEZ, E.M.; GEROCHI, D.D.  
SEAFDEC QUARTERLY RESEARCH REPORT 4 (4), 11-14.  
Aquaculture Data Base No.: 9682

0654 1980  
Handbook for the fish breeder. Spravochnik rybovoda. RUSSIAN.  
Kozlov, V. I.; Abramovich, L. S.  
Moskva: Rossel'khozizdat; 1980. 219, (1) p.: ill.; 23 cm.  
NAL Call No.: SH151.K68  
(Bibliography: p. 219-(220))

0655 1980  
HATCHING SUCCESS OF LAKE WHITEFISH EGGS IN HEATED WATER.  
DAVIS, D.; BEHMER, D.J.  
THE PROGRESSIVE FISH-CULTURIST 42 (4), 215-217.  
Aquaculture Data Base No.: 8319

0656 1980  
THE IMPORTANCE OF SELECTING FOR SURVIVORSHIP IN GENETIC YIELD IMPROVEMENT PROGRAMS IN CRUSTACEAN AQUACULTURE.  
DOYLE, R.W.; HUNTE, W.  
PROCEEDINGS OF THE ELEVENTH ANNUAL MEETING, WORLD MARICULTURE SOCIETY, NEW ORLEANS, LOUISIANA, MARCH 5-8, 1980, 529-534.  
Aquaculture Data Base No.: 9062

0657 1980  
Induced spawning of *Prochilodus scrofa* Steindachner 1881 (Pisces, Prochilodontidae) (Carp and salmon pituitary extracts, fertilization, hatchability). Desova induzida do curimbata, *Prochilodus scrofa* Steindachner 1881 (Pisces, Prochilodontidae). PORTUGUESE.  
Castagnolli, N.; Cyrino, J.E.P.

BREEDING AND GENETICS

Ciencia e cultura - Sociedade Brasileira para o Progresso da Ciencia; v. 32, (9), p. 1245-1253. ill. Sept 1980. (Sao Paulo: A Sociedade.)  
 NAL Call No.: Q33.C5  
 (26 ref.)

0658 1980  
**INDUCTION OF MATURATION AND SPAWNING IN POND-GROWN STOCKS OF PENAEID SHRIMPS FOR LARGE SCALE SEED PRODUCTION.**  
 ALIKUNHI, K.H.; ALI, K.H.  
 PROCEEDINGS OF THE FIRST NATIONAL SYMPOSIUM ON SHRIMP FARMING, BOMBAY, 16-18 AUG., 1978, THE MARINE PRODUCTS EXPORT DEVELOPMENT AUTHORITY, 37-38.  
 Aquaculture Data Base No.: 9237

0659 1980  
**Influence of parental smolt age and sea age on growth and smolting of hatchery-reared Atlantic salmon (*Salmo salar*) (genetics).**  
 Bailey, J.K.; Saunders, R.L.; Buzeta, M.I.  
 Canadian journal of fisheries and aquatic sciences. = Journal canadien des sciences halieutiques et aquatiques; v. 37, (9), p. 1379-1386. ill., map. Sept 1980. (Ottawa: Govt. of Canada, Fisheries and Oceans.)  
 NAL Call No.: 442.9 C16J  
 (12 ref.)

0660 1980  
**Inhibition of emergence, hatching, and protein biosynthesis in embryonic *Artemia salina*.**  
 Trotman, C.N.A.; Mansfield, B.C.; Tate, W.P.  
 Developmental biology; v. 80, (1), p. 167-174. ill. Nov 1980. (New York: Academic Press.)  
 NAL Call No.: 442.8 D49  
 (Bibliography p. 174.)

0661 1980  
**An interim report on walleye, *Stizostedion v. vitreum* (Mitchill), stocking and survival data from five rearing ponds in the vicinity of Lake Winnipegosis, Manitoba 1978 and 1979.**  
 Green D. J.  
 (Winnepeg): Manitoba Dept. of Natural Resources, Fisheries Branch; 1980. v. 32 p.: map; 28 cm.  
 NAL Call No.: SH351.W3G7  
 Cover title.  
 (MS report ; no. 80-9)  
 (Bibliography: p. 18.)

0662 1980  
**Larval stages of a gonoplasid crab, *Eucrate crenata*, reared in the laboratory.**  
 Kurata, H.; Matsuda, T.  
 Nansei Kaiku Suisan Kenkyujo kenkyu hokoku. = Bulletin of the Nansei Regional Fisheries Research Laboratory; (12), p. 43-49. ill. Mar 1980. (Hiroshima: The Laboratory.)  
 NAL Call No.: SH19.N35  
 (5 ref.)

0663 1980  
**Loss of genetic variation in a hatchery stock of cutthroat trout (*Salmo clarki*).**  
 Allendorf, F.W.; Phelps, S.R.

Transactions of the American Fisheries Society; v. 109, (5), p. 537-543. Sept 1980. (Lawrence, Kan.: The Society.)  
 NAL Call No.: 414.9 AM3  
 (Bibliography p. 542-543.)

0664 1980  
**A NEW SYSTEM FOR MASS REARING OF PENAEID SHRIMP LARVAE.**  
 HAMEED ALI, K.  
 PROCEEDINGS OF THE FIRST NATIONAL SYMPOSIUM ON SHRIMP FARMING, BOMBAY, 16-18 AUG., 1978, THE MARINE PRODUCTS EXPORT DEVELOPMENT AUTHORITY, 255-262.  
 Aquaculture Data Base No.: 9273

0665 1980  
**NOTES ON POSTLARVAL REARING OF PENAEID SHRIMPS.**  
 ALIKUNHI, K.H.; SUKUMARAN, K.K.; ADISUKRESNO, S.  
 PROCEEDINGS OF THE FIRST NATIONAL SYMPOSIUM ON SHRIMP FARMING, BOMBAY, 16-18 AUG., 1978, THE MARINE PRODUCTS EXPORT DEVELOPMENT AUTHORITY, 89-90.  
 Aquaculture Data Base No.: 9248

0666 1980  
**OVULATION OF POND-REARED WALLEYES IN RESPONSE TO VARIOUS INJECTION LEVELS OF HUMAN CHORIONIC GONADOTROPIN.**  
 HEARN, M.C.  
 THE PROGRESSIVE FISH-CULTURIST 42 (4), 228-230.  
 Aquaculture Data Base No.: 8321

0667 1980  
**PHILIPPINE TILAPIA BROODSTOCK PROJECT.**  
 PULLIN, R.S.V.  
 ICLARM NEWSLETTER 3 (1), 8-9.  
 Aquaculture Data Base No.: 7779

0668 1980  
**PREDICTED RESPONSE TO SELECTION FOR EARLY GROWTH IN TILAPIA NILOTICA.**  
 TAVE, D.; SMITHERMAN, R.O.  
 TRANSACTIONS OF THE AMERICAN FISHERIES SOCIETY 109 (4), 439-445.  
 Aquaculture Data Base No.: 8345

0669 1980  
**Profiles of plasma gonadotropin and 17beta-estradiol in the common carp, *Cyprinus carpio* L., as related to spawning induced by hypophysation or LH-RH (luteinizing hormone-releasing hormone) treatment.**  
 Weil, C.; Fostier, A.; Horvath, L.; Marlot, S.; Berscenyi, M.  
 Reproduction nutrition developpement; v. 20, (4A), p. 1041-1050. ill. 1980. (Jouy-en-Josas: Institut national de la recherche agronomique.)  
 NAL Call No.: 442.8 AN75  
 (Bibliography p. 1048-1050.)

0670 1980  
**RELEASE OF HATCHERY-REARED BAY SCALLOPS (*ARGOPECTEN IRRADIANS*) ONTO A SHALLOW COASTAL BOTTOM IN WATERFORD, CONNECTICUT.**  
 MORGAN, D.E.; GOODSSELL, J.; MATTHIESSEN, G.C.; GAREY, J.; JACOBSON, P.



PROCEEDINGS OF THE ELEVENTH ANNUAL MEETING, WORLD MARICULTURE SOCIETY, NEW ORLEANS, LOUISIANA, MARCH 5-8, 1980, 247-261.

Aquaculture Data Base No.: 9035

0671 1980  
Results from breeding investigations with salmon.  
Resultater fra avlsforsok med laksefisk. NORWEGIAN.  
Gjedrem, T.  
Aktuelt - Norway, Landbruksdepartementet, Opplysningstjeneste; (1), p. 348-352. 1980. (Oslo: Det Tjeneste.)  
NAL Call No.: S11.N68

0672 1980  
REVIEW OF THE PRESENT KNOWLEDGE OF REARING WHITEFISH (COREGONIDAE) LARVAE.  
FLUCHTER, J  
AQUACULTURE 19 (2), 191-208.  
Aquaculture Data Base No.: 7733

0673 1980  
SEED REQUIREMENTS FOR INTENSIVE CULTURE OF PENAEID PRAWNS IN COASTAL WATERS, PARTICULARLY IN KERALA.  
VEDAVYASA, P.  
PROCEEDINGS OF THE FIRST NATIONAL SYMPOSIUM ON SHRIMP FARMING, BOMBAY, 16-18 AUG., 1978, THE MARINE PRODUCTS EXPORT DEVELOPMENT AUTHORITY, 73-82.  
Aquaculture Data Base No.: 9245

0674 1980  
STAGGERED STOCKING OF PENAEUS STYLIROSTRIS IN BRACKISH-WATER PONDS RECEIVING POWER PLANT COOLING WATER.  
OJEDA, J.W.; ALDRICH, D.V.; STRAWN, K.  
PROCEEDINGS OF THE ELEVENTH ANNUAL MEETING, WORLD MARICULTURE SOCIETY, NEW ORLEANS, LOUISIANA, MARCH 5-8, 1980, 23-29.  
Aquaculture Data Base No.: 9012

0675 1980  
SURVEY OF PRIVATE AND GOVERNMENT HATCHERY SUCCESS IN RAISING LARGEMOUTH BASS.  
WILLIS, D.W.; FLICKINGER, S.A.  
THE PROGRESSIVE FISH-CULTURIST 42 (4), 232-233.  
Aquaculture Data Base No.: 8322

0676 1980  
Thyroxine enhances larval development and survival in *Sarotherodon (Tilapia) mossambicus* Ruppell.  
Lam, T.J.  
Aquaculture; v. 21, (3), p. 287-291. Nov 1980. (Amsterdam: Elsevier Scientific Publishing.)  
NAL Call No.: SH1.A6  
(10 ref.)

0677 1980  
Uracil-DNA glycosylase in developing embryos of the brine shrimp (*Artemia salina*).  
Birch, D.J.; McLennan, A.G.

Transactions - Biochemical Society; v. 8, (6), p. 730-731. ill. Dec 1980. (London: The Society.)

NAL Call No.: QD415.A1B58  
(7 ref.)

0678 1980  
Use of three line combination for production of genetic all-male *Tilapia mossambica*. CHINESE.  
Yang, Y.C.; Chang, C.Y.; Lin, K.H.; Wei, Y.S.; Huang, E.C.; Kao, C.H.; Hsu, C.; Ko, S.C.; Wei, C.K.  
I ch'uan hsueh pao. = Acta genetica Sinica; v. 7, (3), p. 241-246. ill. Sept 1980. (Peking: K'o hsueh ch'u pan she.)  
NAL Call No.: QH431.I17  
(9 ref.)

0679 1980  
USFWS (U.S. Fish and Wildlife Service) Fish Cultural Development Center Program (McNenny National Fish Hatchery, Abernathy Salmon Cultural Development Center, Bozeman National Fish Hatchery and Development Center, Lamar National Fish Hatchery and Development Center, and the San Marcos National Fish Hatchery and Development Center, San Marcos).  
McCraen, J.P.  
Fisheries; v. 5, (6), p. 9-18. ill. Nov/Dec 1980. (Bethesda, Md.: American Fisheries Society.)  
NAL Call No.: SH1.F54

0680 1980  
Water source of big spring trout hatchery, Clayton County, Iowa.  
Heitmann, N.  
The Proceedings of the Iowa Academy of Science; v. 87, (4), p. 143-147. ill. Dec 1980. (Cedar Falls, Iowa: The Academy.)  
NAL Call No.: 500 IO93  
(5 ref.)

1979

0681 1979  
The achievements of animal genetics in China since 1949 (Livestock, poultry, sericulture, fish breeding). CHINESE.  
Wang, C.Y.  
Peking: Chih wu pao hu hsueh pao; 1979. p. 1-5.  
NAL Call No.: QH426.I13  
Literature review.  
(42 ref.)

0682 1979  
APPROACHES TO THE STUDY OF DOMESTICATION IN AQUACULTURE: THE DEVELOPMENT AND CHARACTERIZATION OF GENETIC STOCKS AND THEIR HYBRIDS IN THE CULTURED FRESHWATER PRAWN, *MACROBRACHIUM ROSENBERGII*.  
MALECHA, S.R.; PEEBLES, J.B.; SARVER, D.  
INTERNATIONAL COUNCIL FOR THE EXPLORATION OF THE SEA, MARICULTURE COMMITTEE PAPER F:48, 25 PP.  
Aquaculture Data Base No.: 7640

0683 1979  
Biotechnics of breeding the Issyk-kul gegarkuni trout. Biotekhnika razvedeniia Issyk-Kul'skoi foreli gegarkuni. RUSSIAN.  
Konurbaev, A. O.; Turdakov, A. F.



BREEDING AND GENETICS

Frunze: Ilim; 1979. 70, (1) p.: ill.; 22 cm.

NAL Call No.: SH167.T86K6

At head of title: Akademiia nauk Kirgizskoi SSR.  
Institut biologii. Issyk-Kul'skaia biologicheskaiia stantsiia.  
(Bibliography: p. 68-(71).)

0684 1979  
CONDITIONS FOR HOLDING AND  
PROPAGATING CRAWFISH BROOD STOCK  
(PROCAMBARUS CLARKII).  
NELSON, R.G.; DENDY, J.S.  
PROCEEDINGS OF THE 10TH ANNUAL  
MEETING, WMS, HONOLULU, HAWAII, JAN.  
22-26, 1979, 503-509.  
Aquaculture Data Base No.: 7955

0685 1979  
CONTROLLED PROPAGATION OF THE AFRICAN  
CATFISH, CLARIAS LAZERA (C.&V.) 1.  
REPRODUCTIVE BIOLOGY AND FIELD  
EXPERIMENTS.  
HOGENDOORN, H.  
AQUACULTURE 17 (4), 323-333.  
Aquaculture Data Base No.: 7020

0686 1979  
CONTROLLED SPAWNING OF LARGEMOUTH  
BASS.  
JACKSON, U.T.  
THE PROGRESSIVE FISH-CULTURIST 41 (2), 90-95.  
Aquaculture Data Base No.: 6607

0687 1979  
The dependence of the quality of carp offspring on the  
age of the males used in breeding. Zavisimost' kachestva  
potomstva karpa ot vozrasta proizvoditelei. RUSSIAN.  
Martyshev, Feodosii Georgievich.  
Moskva: Pishchevaia promyshlennost'; 1979. 88 p.:  
graphs.  
NAL Call No.: SH167.C3Z3  
(Bibliography: p. 84-88.)

0688 1979  
DEVELOPMENT AND POTENTIAL OF NURSERY  
SYSTEMS IN THE FARMING OF MALAYSIAN  
PRAWNS, MACROBRACHIUM ROSENBERGII (DE  
MAN).  
SMITH, T.I.F.; SANDIFER, P.A.  
PROCEEDINGS OF THE 10TH ANNUAL  
MEETING, WMS, HONOLULU, HAWAII, JAN.  
22-26, 1979, 369-384.  
Aquaculture Data Base No.: 7942

0689 1979  
Developmental changes of lactate dehydrogenase (LDH)  
isozymes in the hybrid between masu salmon  
(Oncorhynchus masou) and pink salmon (Oncorhynchus  
gorbuscha).  
Arai, K.; Yamazaki, F.  
Hokkaido Daigaku Suisangaku-bu kenkyu iho. = Bulletin  
of the Faculty of Fisheries, Hokkaido University; v. 30,  
(2), p. 124-128. ill., 2 plates. May 1979. (Hakodate,  
Japan: The Faculty.)  
NAL Call No.: 414.9 H682  
(11 ref.)

0690 1979  
EL EFECTO DE DIFERENTES TASAS DE  
SIEMBRA Y MANEJO EN LA PRODUCCION DE  
HIBRIDOS INTRAESPECIFICOS DEL GENERO  
TILAPIA (SAROTHERODON).

FLORES, R.S.  
REVISTA LATINOAMERICANA DE  
ACUICULTURA 2, 29-39. (IN SPANISH WITH  
ENGLISH ABSTRACT).  
Aquaculture Data Base No.: 8513

0691 1979  
ESTUDIO PRELIMINAR SOBRE EL CULTIVO DE  
HIBRIDOS DE TILAPIA (TILAPIA HORNORUM X  
TILAPIA MOSSAMBICA) CON GALLINAZA Y  
SUPERFOSFATO TRIPLE, EN COSTA RICA.  
BLANCO, J.B.  
REVISTA LATINOAMERICANA DE  
ACUICULTURA 2, 22-28. (IN SPANISH WITH  
ENGLISH ABSTRACT).  
Aquaculture Data Base No.: 8512

0692 1979  
AN EVALUATION OF TWELVE GENETIC  
GROUPS OF CATFISH FOR SUITABILITY IN  
COMMERCIAL PRODUCTION.  
CHAPPELL, J.A.  
AUBURN UNIVERSITY. PH.D DISSERTATION,  
1-74.  
Aquaculture Data Base No.: 6969

0693 1979  
EVALUATION OF TWO STOCKING RATES OF  
GREEN SUNFISH X REDEAR SUNFISH HYBRIDS  
FOR ALABAMA FARM PONDS.  
SHAFFER, K.U.  
AUBURN UNIVERSITY. MASTERS THESIS, 1-27.  
Aquaculture Data Base No.: 6868

0694 1979  
EXOTIC SPECIES IN MARICULTURE. GENETIC  
ASPECTS OF THE INTRODUCTION AND  
CULTURE OF NONINDIGENOUS SPECIES FOR  
AQUACULTURE.  
NEWKIRK, G.  
EXOTIC SPECIES IN MARICULTURE. THE MIT  
PRESS, 192-211.  
Aquaculture Data Base No.: 7678

0695 1979  
Experiments in the larviculture of Penaeus monodon  
(Fabricius) and Penaeus merguensis (De Man) (Marine  
prawn culture in West Malaysia).  
Chang, L.W.; Kuan, W.Y.  
The Malaysian agricultural journal; v. 52, (2), p.  
187-197. ill. 1979. (Kuala Lumpur: Ministry of  
Agriculture.)  
NAL Call No.: 22.5 F312  
(Bibliography p. 195-197.)

0696 1979  
EXPERIMENTS ON RAISING QUALITY FISH  
SEED IN FLOATING NURSERIES AND ITS ROLE  
IN AQUACULTURE IN INDIA.  
NATARAJAN, A.V.; SAXENA, R.K.; SRIVASTAVA,  
N.K.  
INTERNATIONAL WORKSHOP ON CAGE AND  
PEN CULTURE OF FISH, SEAFDEC  
AQUACULTURE DEPT. AND IDRC, 45-49.  
Aquaculture Data Base No.: 9769

0697 1979  
THE GARDEN POND. BREEDING GOLDFISH.  
BOARDER, A.

THE AQUARIST AND PONDKEEPER 44 (5), 28-30.  
Aquaculture Data Base No.: 6961

0698 1979  
Genetic bases of fish breeding. Geneticheskie osnovy selektsii ryb. RUSSIAN.  
Kirpichnikov, Valentin Sergeevich.  
Leningrad: Nauka, Leningr. otd-nie; 1979. 391 p. (2) p. of col. plates: ill.; 21 cm.  
NAL Call No.: SH155.5.K5  
At head of title: Akademiia nauk SSSR. Institut tsitologii.  
(Bibliography: p. 297-(389))

0699 1979  
GENETICS AND BREEDING IN AMERICAN AQUACULTURE - CURRENT STATUS, PRESENT VIEWS, RECENT AND ONGOING RESEARCH.  
LONGWELL, A.C.  
INTERNATIONAL COUNCIL FOR THE EXPLORATION OF THE SEA, MARICULTURE COMMITTEE PAPER F:35, 23 PP.  
Aquaculture Data Base No.: 7634

0700 1979  
GENETICS IN MARICULTURE.  
NEWKIRK, G.F.  
FISH FARMING INTERNATIONAL 6 (4), 9-11.  
Aquaculture Data Base No.: 8181

0701 1979  
IMPLICATIONS OF POPULATION GENETIC DATA FOR THE AQUACULTURE OF PENAEID SHRIMP.  
LESTER, L.J.  
INTERNATIONAL COUNCIL FOR THE EXPLORATION OF THE SEA, MARICULTURE COMMITTEE F:39, 12 PP.  
Aquaculture Data Base No.: 7607

0702 1979  
INDUCED BREEDING OF THE INDIAN WHITE PRAWN PENAEUS INDICUS.  
MUTHU, M.S.; LAXMINARAYANA, A.  
MARINE FISHERIES INFORMATION SERVICE, CMFRI, NO.9, PG.6.  
Aquaculture Data Base No.: 7469

0703 1979  
MONOSEX AND STERILE FISH FOR TRANSPLANTATION AND AQUACULTURE.  
STANLEY, J.G.  
INTERNATIONAL COUNCIL FOR THE EXPLORATION OF THE SEA, MARICULTURE COMMITTEE PAPER F:32, 22 PP.  
Aquaculture Data Base No.: 7611

0704 1979  
The present status and future prospect on the genetics and breeding of freshwater fishes in China. CHINESE.  
Liu, Y.  
Shui Sheng Sheng Wu Hsueh Chi K'an Acta Hydrobiol Sin; v. 6, (4), p. 471-483. ill. Dec 1979. (Peking: K'o hsueh ch'u pan she.)  
NAL Call No.: 442.8 SH9  
(16 ref.)

0705 1979  
PRINCIPLES OF WARMWATER AQUACULTURE. 6. REPRODUCTION, SELECTIVE BREEDING, AND GENETICS.

STICKNEY, R.R.  
PRINCIPLES OF WARMWATER AQUACULTURE.  
JOHN WILEY & SONS, 222-260.  
Aquaculture Data Base No.: 7410

0706 1979  
REARING ADVANCED FRY OF MAJOR INDIAN CARP SPECIES IN RECIRCULATORY-FILTERING PONDS AT BARRACKPORE, WEST BENGAL.  
JHINGRAN, V.G.; SEHGAL, K.L.; KUMAR, K.; GHOSH, B.B.  
AQUACULTURE 18 (1), 45-49.  
Aquaculture Data Base No.: 7141

0707 1979  
THE ROLE OF GENETICS IN MARICULTURE.  
NEWKIRK, G.F.; DALE, R.W.; HALEY, L.E.  
INTERNATIONAL COUNCIL FOR THE EXPLORATION OF THE SEA, MARICULTURE COMMITTEE PAPER F:56, 6 PP.  
Aquaculture Data Base No.: 7638

0708 1979  
Selected bibliography on pelagic fish eggs and larva surveys = Bibliographie selective sur les prospections d'oeufs et de larves de poissons pelagiques = Bibliografia seleccionada sobre reconocimientos de huevos y larvas de peces pelagicos.  
Smith, Paul E.  
Rome: Food and Agriculture of the Uniyed Nations; 1979. 97 p.  
NAL Call No.: SH1.F59 No.706  
(Food and Agriculture Organization of the United Nations. FAO fishereis circular ; no. 706)

0709 1979  
Survival and contribution of 1969-brood fall chinook salmon from Elk River hatchery.  
Reimers, Paul E.  
Corvallis: Oregon Dept. of Fish and Wildlife, Research and Development Section; 1979. 17 p.: ill.  
NAL Call No.: SH1.I55 No.79-6  
(Information report series, fisheries ; no. 79-6)  
(Bibliography: p. 16-17.)

0710 1979  
SURVIVAL, MATURATION, FECUNDITY AND HATCHING RATES OF UNABLATED AND ABLATED PENAEUS INDICUS H.M. EDWARDS FROM BRACKISH WATER PONDS.  
PRIMAVERA, J.H.; YOUNG, T.; DE LOS REYES, C.  
SEAFDEC, QUARTERLY RESEARCH REPORT 3 (3), 14-17.  
Aquaculture Data Base No.: 8099

0711 1979  
The theory and practice of induced breeding in fish.  
Harvey, Brian J.; Hoar, William S.  
Ottawa: International Development Research Centre; c1979. 48 p.: ill.; 25 cm.  
NAL Call No.: SH155.7.H36  
"IDRC-TS21e."  
(Bibliography: p. 42-47.)

0712 1979  
WHITE AMUR EXPERIENCE LEADS TO DEVELOPMENT OF GRASS CARP HYBRID.  
LYNCH, T.



**BREEDING AND GENETICS**

AQUACULTURE MAGAZINE 6 (1), 33-36.  
Aquaculture Data Base No.: 7376

1978

0713 1978  
AQUACULTURE IN THE UNITED STATES.  
CONSTRAINTS AND OPPORTUNITIES.  
APPENDIX B. CURRENT STATUS OF GENETICS  
AND SELECTIVE BREEDING IN MAJOR  
AQUACULTURE SPECIES.  
WALSH, D.  
NATIONAL ACADEMY OF SCIENCES, 103-107.  
Aquaculture Data Base No.: 6406

0714 1978  
BREEDING AND REARING OF MARINE PRAWNS.  
BACKGROUND PAPERS 13. PRAWN FARM.  
RAMAMURTHY, S.  
CENTRAL MARINE FISHERIES RESEARCH  
INSTITUTE. SPECIAL PUBLICATION NO. 3,  
92-103.  
Aquaculture Data Base No.: 6400

0715 1978  
BREEDING AND REARING OF MARINE PRAWNS.  
BACKGROUND PAPERS 16. PRAWN FARMING.  
GEORGE, K.V.  
CENTRAL MARINE FISHERIES RESEARCH  
INSTITUTE. SPECIAL PUBLICATION NO. 3,  
116-121.  
Aquaculture Data Base No.: 6403

0716 1978  
A DISCUSSION OF POSSIBLE SOURCES OF  
INBREEDING IN HATCHERY STOCK AND  
ASSOCIATED PROBLEMS.  
NEWKIRK, G.F.  
PROCEEDINGS OF THE NINTH ANNUAL  
WORKSHOP WORLD MARICULTURE SOCIETY.  
ATLANTA, GEORGIA. 93-100.  
Aquaculture Data Base No.: 6480

0717 1978  
EVALUATION OF HYBRID (COMMON X GRASS)  
CARP FOR WEED CONTROL.  
AVALT, J.W., JR.; MERKOWSKY, A.  
SYMPOSIUM ON CULTURE OF EXOTIC FISHES.  
FISH CULTURE SECTION, AMERICAN FISHERIES  
SOCIETY. AUBURN, ALABAMA. 184-193.  
Aquaculture Data Base No.: 4677

0718 1978  
EXPERIMENTS ON REARING EXOTIC CARP  
FINGERLINGS IN COMPOSITE FISH CULTURE  
IN INDIA.  
MURTY, D.S.; DEY, R.K.; REDDY, P.V.G.K.  
AQUACULTURE 13 (4), 331-337.  
Aquaculture Data Base No.: 4623

0719 1978  
EXTENDED FRESHWATER REARING OF PINK  
SALMON AT A WASHINGTON HATCHERY.  
SENN, H.; BUCKLEY, R.M.

THE PROGRESSIVE FISH-CULTURIST 40 (1), 9-10.  
Aquaculture Data Base No.: 4213

0720 1978  
FISH HATCHERIES AND FARM PONDS.  
HUNER, J.V.  
FARM POND HARVEST 12 (4), 8-9, 14, 17.  
Aquaculture Data Base No.: 6750

0721 1978  
GROWTH OF MONOSEX HYBRID TILAPIA IN  
THE LABORATORY AND SEWAGE OXIDATION  
PONDS.  
SUFFERN, J.S.; ADAMS, S.M.; BLAYLOCK, B.G.;  
COUTANT, C.C.; GUTHRIE, C.A.  
SYMPOSIUM ON CULTURE OF EXOTIC FISHES.  
FISH CULTURE SECTION, AMERICAN FISHERIES  
SOCIETY. AUBURN, ALABAMA. 65-81.  
Aquaculture Data Base No.: 4667

0722 1978  
INDUCED MATURATION AND BREEDING OF  
PENAEUS MONODON FABRICIUS UNDER  
BRACKISH WATER POND CONDITIONS BY  
EYESTALK ABLATION.  
HALDER, D.D.  
AQUACULTURE 15 (2), 171-174.  
Aquaculture Data Base No.: 6091

0723 1978  
MONOCULTURE YIELD TRIALS OF AN  
ALL-MALE HYBRID TILAPIA (FEMALE TILAPIA  
NILOTICA X MALE TILAPIA HORNORUM) IN  
SMALL FARM PONDS IN PUERTO RICO.  
FRAM, M.J.; PAGAN-FONT, F.A.  
SYMPOSIUM ON CULTURE OF EXOTIC FISHES.  
FISH CULTURE SECTION, AMERICAN FISHERIES  
SOCIETY. AUBURN, ALABAMA. 53-64.  
Aquaculture Data Base No.: 4666

0724 1978  
THE NATURAL REPRODUCTION OF PENAEUS  
MERGUIENSIS (DE MAN, 1888) IN AN EARTHEN  
POND IN FIJI.  
LICHATOWICH, T.; SMALLEY, T.; MATE, F.D.  
AQUACULTURE 15 (4), 377-378.  
Aquaculture Data Base No.: 6326

0725 1978  
PRELIMINARY HISTOLOGICAL STUDY ON THE  
GONADAL DEVELOPMENT OF POND-REARED  
EELS (ANGUILLA JAPONICA) IN TAIWAN.  
CHANG, Y.-S.; LIAO, I.-C.  
JOURNAL OF THE FISHERIES SOCIETY OF  
TAIWAN (1977), 5 (2), 61-67. TUNGKANG MARINE  
LABORATORY COLLECTED REPRINTS  
(1974-1977), 3 (44), 133-139. (IN CHINESE WITH  
ENGLISH ABSTRACT AND CAPTIONS).  
Aquaculture Data Base No.: 6726

0726 1978  
PRODUCTION OF NORMAL MALE AND  
ANDROGEN SEX-REVERSED TILAPIA AUREA  
AND TILAPIA NILOTICA FED A COMMERCIAL  
CATFISH DIET IN PONDS.  
ANDERSON, C.E.; SMITHERMAN, R.O.



SYMPOSIUM ON CULTURE OF EXOTIC FISHES.  
FISH CULTURE SECTION, AMERICAN FISHERIES  
SOCIETY. AUBURN, ALABAMA. 34-42.  
Aquaculture Data Base No.: 4665

0727 1978  
REPRODUCTIVE REQUIREMENTS AND  
LIKELIHOOD FOR NATURALIZATION OF  
ESCAPED GRASS CARP IN THE UNITED STATES.  
STANLEY, J. G.; MILEY, W. W., JR.; SUTTON, D.  
L.  
TRANSACTIONS OF THE AMERICAN FISHERIES  
SOCIETY 107 (1), 119-128.  
Aquaculture Data Base No.: 4370

0728 1978  
Sound production during agonistic and reproductive  
behaviour in the pumpkinseed (*Lepomis gibbosus*), the  
bluegill (*Lepomis macrochirus*), and their hybrid sunfish.  
I. Context.  
Ballantyne, P.K.; Colgan, P.W.  
Biology of behaviour. = Biologie du comportement; v. 3,  
(2), p. 113-135. ill. 1978. (Paris: Masson.)  
NAL Call No.: QL750.B52  
(18 ref.)

0729 1978  
TRANSPORTING AND HOLDING MILKFISH FRY  
TO GET BETTER SURVIVAL RATE.  
HAMID, S.N.; MARDJONO, M.  
BULLETIN OF THE BRACKISHWATER  
AQUACULTURE DEVELOPMENT CENTRE 4 (1-2),  
258-267.  
Aquaculture Data Base No.: 8039

0730 1978  
USE OF HORMONES TO PRODUCE MONOSEX  
TILAPIA FOR AQUACULTURE.  
SHELTON, W.L.; HOPKINS, K.D.; JENSEN, G.L.  
SYMPOSIUM ON CULTURE OF EXOTIC FISHES.  
FISH CULTURE SECTION, AMERICAN FISHERIES  
SOCIETY. AUBURN, ALABAMA. 10-33.  
Aquaculture Data Base No.: 4664

0731 1978  
THE USE OF INTERPOPULATION  
HYBRIDIZATION IN DEVELOPMENT OF COHO  
SALMON STOCKS FOR AQUACULTURE.  
HERSHBERGER, W.K.  
PROCEEDINGS OF THE NINTH ANNUAL  
WORKSHOP WORLD MARICULTURE SOCIETY.  
ATLANTA, GEORGIA. 147-156.  
Aquaculture Data Base No.: 6475

1977

0732 1977  
CAPTIVE BREEDING OF THE GREEN SEA  
TURTLE, *CHELONIA MYDAS*.  
WOOD, J.R.; WOOD, F.E.  
PROCEEDINGS OF THE EIGHTH ANNUAL  
WORKSHOP WORLD MARICULTURE SOCIETY,  
SAN JOSE, COSTA RICA. 21P.  
Aquaculture Data Base No.: 3098

0733 1977  
COMPARATIVE REPRODUCTIVE SUCCESS OF  
CAUGHT-AND-RELEASED AND UNPLAYED  
HATCHERY FEMALE STEELHEAD TROUT  
(*SALMO GAIRDNERI*) FROM THE CLEARWATER  
RIVER, IDAHO.

PETTIT, S.W.  
TRANSACTIONS OF THE AMERICAN FISHERIES  
SOCIETY 106 (5), 431-435.  
Aquaculture Data Base No.: 4082

0734 1977  
THE DEVELOPMENT OF FISH-BREEDING  
HYDROBIOLOGY IN THE LAST 60 YEARS.  
PIROZHNIKOV, P.L.  
HYDROBIOLOGICAL JOURNAL 13 (5), 26-36.  
Aquaculture Data Base No.: 7747

0735 1977  
EGG HATCHABILITY AND TOLERANCE OF  
BROOK TROUT (*SALVELINUS FONTINALIS*) FRY  
AT LOW PH.  
TROJNAR, J.R.  
JOURNAL OF THE FISHERIES RESEARCH  
BOARD OF CANADA 34 (4), 574-579.  
Aquaculture Data Base No.: 3897

0736 1977  
EXPERIENCE IN PERCH FINGERLING  
PRODUCTION FROM THE LAKE MILLS  
NATIONAL FISH HATCHERY.  
STAIRS, S.  
UNIVERSITY OF WISCONSIN SEA GRANT  
COLLEGE PROGRAM ADVISORY REPORT 421,  
58-62.  
Aquaculture Data Base No.: 6267

0737 1977  
HOW TO BREED FISH WITHOUT MULTIPLYING  
COSTS.  
BOWERMAN, M.  
AUSTRALIAN FISHERIES. FEBRUARY 1977, 3-6.  
Aquaculture Data Base No.: 3650

0738 1977  
NOTES ON THE INDUCED MATURATION AND  
SPAWNING IN FOUR-MONTH-OLD *PENAEUS*  
*MONODON FABRICIUS* BY EYESTALK  
ABLATION.  
PRIMAVERA, J.H.; BORLONGAN, E.  
SEAFDEC AQUACULTURE DEPARTMENT.  
QUARTERLY RESEARCH REPORT, APRIL-JUNE,  
1977. 27-29.  
Aquaculture Data Base No.: 4903

0739 1977  
THE PRODUCTION OF YELLOW PERCH  
FINGERLINGS.  
CALBERT, H.E.  
UNIVERSITY OF WISCONSIN SEA GRANT  
COLLEGE PROGRAM ADVISORY REPORT 421,  
1-5.  
Aquaculture Data Base No.: 6262

0740 1977  
RATIONAL DESIGN OF HATCHERIES FOR  
INTENSIVE SALMONID CULTURE, BASED ON  
METABOLIC CHARACTERISTICS.  
WESTERS, H.; PRATT, K. M.  
THE PROGRESSIVE FISH-CULTURIST 39 (4),  
157-165.  
Aquaculture Data Base No.: 4427

0741 1977  
RELATIVE YIELD OF TWO TRANSFERRIN  
PHENOTYPES IN COHO SALMON.

BREEDING AND GENETICS

MCINTYRE, J. D., JOHNSON, A. K.  
THE PROGRESSIVE FISH-CULTURIST 39 (4),  
175-177.  
Aquaculture Data Base No.: 4437

0742 1977  
REPRODUCTIVE BIOLOGY AND ARTIFICIAL  
PROPAGATION METHODS FOR ADULT PERCH.  
KAYES, T.  
UNIVERSITY OF WISCONSIN SEA GRANT  
COLLEGE PROGRAM ADVISORY REPORT 421,  
6-23.  
Aquaculture Data Base No.: 6263

0743 1977  
THE ROLE OF NATURAL POPULATIONS IN THE  
GENETIC IMPROVEMENT OF SPECIES USED IN  
AQUACULTURE.  
NEWKIRK, G.F.; HALEY, L.E.  
PROCEEDINGS OF THE EIGHTH ANNUAL  
WORKSHOP WORLD MARICULTURE SOCIETY,  
SAN JOSE, COSTA RICA. 19P.  
Aquaculture Data Base No.: 3084

0744 1977  
SEASONAL GONAD CHANGES IN SCALLOPS  
UNDER CULTURE IN TONI BAY, IWATE  
PREFECTURE.  
MORI, K.; OSANAI, K.; SATO, R.  
BULLETIN OF THE JAPANESE SOCIETY OF  
SCIENTIFIC FISHERIES 43 (1), 1-8. (IN JAPANESE,  
ENGLISH ABSTRACT).  
Aquaculture Data Base No.: 3320

0745 1977  
SELECTIVE BREEDING OF TROUT FOR  
RESISTANCE TO FURUNCULOSIS.  
EHLINGER, N.F.  
NEW YORK FISH AND GAME JOURNAL 24 (1),  
25-36.  
Aquaculture Data Base No.: 3844

0746 1977  
SPAWNING OF YEAR CLASS ZERO  
LARGEMOUTH BASS IN HATCHERY PONDS.  
CRUMPTON, J.E.; SMITH, S.L.; MOYER, E.J.  
FLORIDA SCIENTIST 40 (2), 125-129.  
Aquaculture Data Base No.: 4234

0747 1977  
A SUMMARY OF THE FINDINGS ON CHEMICAL  
ADDITIONS AT DWORSHAK NATIONAL FISH  
HATCHERY.  
OWSLEY, D.E.  
UNPUBLISHED PAPER, 1-5.  
Aquaculture Data Base No.: 7032

0748 1977  
UNGARISCHE ERFAHRUNGEN BEI DER  
VERMEHRUNG PFLANZENFRESSENDER  
CYPRINIDEN.  
SEIDLITZ, U.; STEFFENS, W.  
BINNENFISCHEREI D.D.R. 24 (7), 213-219. (IN  
GERMAN WITH ENGLISH ABSTRACT).  
Aquaculture Data Base No.: 6553

1976

0749 1976  
APPLICATION OF ELECTROPHORETIC GENETIC  
MARKERS TO FISH BREEDING. I. ADVANTAGES  
AND METHODS.  
MOAV, R.; BRADY, T.; WOHLFARTH, G.;  
HULATA, G.  
AQUACULTURE 9, 217-228.  
Aquaculture Data Base No.: 6864

0750 1976  
APPLICATIONS OF BIOCHEMICAL GENETICS  
TO AQUACULTURE.  
HEDGECOCK, D.; SHLESER, R.A.; NELSON, K.  
JOURNAL OF THE FISHERIES RESEARCH  
BOARD OF CANADA 33 (4), 1108-1119.  
Aquaculture Data Base No.: 2879

0751 1976  
BEHAVIORAL SUPPRESSION OF SPAWNING IN  
LARGEMOUTH BASS BY INTERSPECIFIC  
COMPETITION FOR SPACE WITHIN SPAWNING  
AREAS.  
SMITH, S.L.  
TRANSACTIONS OF THE AMERICAN FISHERIES  
SOCIETY 105 (5), 682-685.  
Aquaculture Data Base No.: 4131

0752 1976  
BREEDING, LARVAL DEVELOPMENT AND  
CULTURE OF ABALONE.  
SHEPHERD, S.A.  
AUSTRALIAN FISHERIES 35 (4), 7-10.  
Aquaculture Data Base No.: 3236

0753 1976  
CROSSBREEDING HUNGARIAN RACES OF  
COMMON CARP TO DEVELOP MORE  
PRODUCTIVE HYBRIDS.  
BAKOS, J.  
FAO TECHNICAL CONFERENCE ON  
AQUACULTURE. FIR/AQ/CONF/76/E.74. 4P.  
Aquaculture Data Base No.: 2816

0754 1976  
CULTURE OF MALE TILAPIA MOSSAMBICA  
PRODUCED THROUGH ARTIFICIAL SEX  
REVERSAL.  
GUERRERO, R.D. III  
FAO TECHNICAL CONFERENCE ON  
AQUACULTURE. FIR/AQ/CONF/76/E.15. 3P.  
Aquaculture Data Base No.: 2685

0755 1976  
EFFECTS OF VARIOUS TIME-EXCESS  
TEMPERATURE HISTORIES ON HATCHING  
SUCCESS OF BLUEBACK HERRING, AMERICAN  
SHAD, AND STRIPED BASS EGGS.  
SCHUBEL, J.R.; KOO, T.S.Y.  
THERMAL ECOLOGY II. TECHNICAL  
INFORMATION CENTER. ENERGY RESEARCH  
AND DEVELOPMENT ADMINISTRATION, 165-170.  
PROCEEDINGS OF A SYMPOSIUM, AUGUSTA,  
GEORGIA, APRIL 2-5, 1975.  
Aquaculture Data Base No.: 4119

0756 1976  
EGG DEVELOPMENT AND MANAGEMENT OF  
PROCAMBARUS CLARKII (GIRARD) IN A SOUTH  
LOUISIANA COMMERCIAL CRAWFISH POND.



DE LA BRETONNE, L., JR.; AVAULT, J.W., JR.  
PROCEEDINGS OF THE THIRD  
INTERNATIONAL CRAYFISH SYMPOSIUM.  
KUOPIO, FINLAND, AUGUST 5-8, 1976. 1-8.  
Aquaculture Data Base No.: 4970

0757 1976  
AN EXPERIMENT IN REARING LARVAL  
SIGANUS VERMICULATUS (VALENCIENNES)  
AND SOME OBSERVATIONS ON ITS SPAWNING  
CYCLE.  
POPPER, D.; MAY, R.C.; LICHTOWICH, T.  
AQUACULTURE 7 (3), 281-290.  
Aquaculture Data Base No.: 3032

0758 1976  
FINGERLING PRODUCTION OF SPOTTED  
SEATROUT (CYNOSION NEBULOSUS), RED  
DRUM (SCIAENOPS OCELLATUS), AND STRIPED  
BASS (MORONE SAXITILIS) IN SALTWATER  
PONDS.  
COLURA, B.; HYSMITH, B.; STEVENS, R.E.  
PROCEEDINGS OF THE SEVENTH ANNUAL  
WORKSHOP WORLD MARICULTURE SOCIETY,  
SAN DIEGO, CALIFORNIA. 13P.  
Aquaculture Data Base No.: 2341

0759 1976  
GENETIC CONSIDERATIONS FOR SALMONID  
AQUACULTURE. BIOLOGICAL UNCERTAINTIES.  
HELLE, J.H.  
ALASKA SEA GRANT PROGRAM. CONFERENCE  
ON SALMON AQUACULTURE AND THE  
ALASKAN FISHING COMMUNITY, CORDOVA,  
ALASKA. 171-190.  
Aquaculture Data Base No.: 2746

0760 1976  
GENETIC IMPROVEMENT IN AQUACULTURE  
INDUSTRY.  
MOAV, R.  
FAO TECHNICAL CONFERENCE ON  
AQUACULTURE. FIR/AQ/CONF/76/R.9. 23P.  
Aquaculture Data Base No.: 2827

0761 1976  
HATCHERIES HELP SAVE NEW BRUNSWICK  
SALMON FISHERIES.  
ALDRIDGE, C.H.  
FISH FARMING INTERNATIONAL 3 (3), 8-11.  
Aquaculture Data Base No.: 2894

0762 1976  
HISTORY OF THE MARINE HATCHERIES OF  
ALASKA.  
HUNT, W.R.  
UNIVERSITY OF ALASKA SEA GRANT  
PROGRAM. SEA GRANT REPORT 76-10. 25P.  
Aquaculture Data Base No.: 3742

0763 1976  
HORMONES AND THE CONTROL OF  
REPRODUCTION IN AQUACULTURE.  
FONTAINE, M.  
JOURNAL OF THE FISHERIES RESEARCH  
BOARD OF CANADA PT. 2, 33 (4), 922-939.  
Aquaculture Data Base No.: 2957

0764 1976  
INDUCTION OF MATURITY AND SPAWNING IN  
PENAEUS MONODON FABRICIUS, 1978, BY  
UNILATERAL EYESTALK ABLATION  
(DECAPODA, NATANTIA).

WEAR, R.G.; SANTIAGO, A., JR.  
CRUSTACEANA 31 (2), 218-220.  
Aquaculture Data Base No.: 4235

0765 1976  
METHODS TO CONTROL OVER-BREEDING OF  
FARMED TILAPIA.  
CROSS, D.W.  
FISH FARMING INTERNATIONAL 3 (1), 27-29.  
Aquaculture Data Base No.: 2571

0766 1976  
A NEW TYPE OF NURSERY FOR REARING  
BIVALVE POSTLARVAE. CONSTRUCTION,  
EQUIPMENT AND PRELIMINARY RESULTS.  
LUCAS, A.  
PROCEEDINGS OF THE TENTH EUROPEAN  
SYMPOSIUM ON MARINE BIOLOGY. OSTEND,  
BELGIUM, SEPT. 17-23, 1975. 1, 257-269.  
Aquaculture Data Base No.: 3757

0767 1976  
A NOTE ON REARING JUVENILE CHUM  
SALMON, ONCORHYNCHUS KETA, IN AN  
ARTIFICIAL UPWELLING SYSTEM.  
PAUL, A.J.; HOOD, D.W.; NEVE, R.A.  
AQUACULTURE 9, 387-390.  
Aquaculture Data Base No.: 6813

0768 1976  
OBSERVACIONES PRELIMINARES EN  
ACUARIOS SOBRE INCUBACION Y ALEVINAJE  
DE ATERINIDOS (CHIROSTOMA SPP.) DEL  
LAGO DE PATZCUARO, MICHOACAN. 7P.  
ORTIZ, A.A.; YADA, L.S.  
FAO TECHNICAL CONFERENCE ON  
AQUACULTURE. FIR/AQ/CONF/76/E.46. (IN  
SPANISH, ENGLISH ABSTRACT).  
Aquaculture Data Base No.: 2824

0769 1976  
OBSERVATIONS ON THE HYPOPHYSATION OF  
MURRELS (OPHICEPHALIDAE).  
PARAMESWARAN, S.; MURUGESAN, V.K.  
HYDROBIOLOGIA 50 (1), 81-87.  
Aquaculture Data Base No.: 3031

0770 1976  
PHOTOPERIOD AND TEMPERATURE CONTROL  
IN THE REGULATION OF REPRODUCTION IN  
THE FEMALE CATFISH HETEROPNEUSTES  
FOSSILIS.  
SUNDARARAJ, B.I.; VASAL, S.  
JOURNAL OF THE FISHERIES RESEARCH  
BOARD OF CANADA 33 (4), 959-973.  
Aquaculture Data Base No.: 2876

0771 1976  
PHYSIOLOGICAL AND BIOCHEMICAL  
CHARACTERISTICS OF THE REPRODUCTIVE  
PRODUCTS AND LARVAE OF STURGEONS  
DURING ARTIFICIAL REARING.  
FEDOROVA, L.S.  
JOURNAL OF ICTHYOLOGY 16 (3), 427-436.  
Aquaculture Data Base No.: 3870

0772 1976  
PRIMARY NURSING OF CARP FINGERLINGS IN  
TANKS.  
MIRESD, D.



BAMIDGEH 28 (1/2), 18-24.  
Aquaculture Data Base No.: 3215

0773 1976  
A PROPOSAL FOR THE CONTINUOUS PRODUCTION OF F. HYBRIDS BETWEEN THE EUROPEAN AND CHINESE RACES OF THE COMMON CARP IN TRADITIONAL FISH FARMS OF SOUTHEAST ASIA.  
MOAV, R.; BRODY, T.; WOHLFARTH, G.; HULATAG, G.  
FAO TECHNICAL CONFERENCE ON AQUACULTURE. FIR/AQ/CONF/76/E.63. 4P.  
Aquaculture Data Base No.: 2801

0774 1976  
A REVIEW OF METHODS FOR OBTAINING MONOSEX FISH AND PROGRESS REPORT ON PRODUCTION OF MONOSEX WHITE AMUR. STANLEY, J.G.  
JOURNAL OF AQUATIC PLANT MANAGEMENT 14, 68-70.  
Aquaculture Data Base No.: 4806

0775 1976  
A SOCIO-ECONOMIC STUDY OF FISH PEN AQUACULTURE IN THE PHILIPPINES. STOCKING AND CROPPING PATTERNS. NICOLAS, E.S.; LIBRERO, A.R.; CALLO, R.A.; PAMULAKLAKIN, E.R.  
SEAFDEC-PCARR RESEARCH PROGRAM. RESEARCH PAPER SERIES NO. 5. 63-85.  
Aquaculture Data Base No.: 3620

0776 1976  
TECHNIQUES FOR THE PRODUCTION OF MONOSEX WHITE AMUR (CTENOPHARYNGODON IDELLA). JONES, J.B.  
NATIONAL FISH CULTURE WORKSHOP, SPRINGFIELD, MISSOURI. JANUARY 13-15, 1976. 11P.  
Aquaculture Data Base No.: 4844

1975

0777 1975  
HYBRID SUNFISH GROW FAST IN INDUSTRIAL POND. SHUBA, T.A.  
FARM POND HARVEST. SUMMER 1975. 3P.  
Aquaculture Data Base No.: 3740

0778 1975  
NETARTS BAY CHUM SALMON HATCHERY. LANNAN, J.E.  
OREGON STATE UNIVERSITY SEA GRANT COLLEGE PROGRAM ORESU-H-75-001. 28P.  
Aquaculture Data Base No.: 2972

0779 1975  
Pond pisciculturist: introduction to the breeding and husbandry of carp as a main and secondary enterprise, including other fish; 4., vollig neubearb. und erw. Aufl. Der Teichwirt: Anleitung zur Zucht und Haltung des Karpfens im Haupt- und Nebenbetrieb, einschliesslich der Nebenfische. GER.  
Hofmann, Josef.

Hamburg, Parey. [1975]. 312 p. illus.  
NAL Call No.: SH167.C3H6 1975

0780 1975  
POSSIBLE REASONS FOR THE INFERTILITY OF GREY MULLETTS CONFINED TO FRESH WATER. ECKSTEIN, B.  
AQUACULTURE 5 (1), 9-17.  
Aquaculture Data Base No.: 2306

0781 1975  
Practical selection for reproduction of fishes. Practica selec tiei si reproducerii la pe sti. ROMANIAN. Voican, Vasile.; Radulescu, Ion.; Lustun, L. tiu.  
Bucure: sti; "Ceres" - 1975. 191 p.: ill.  
NAL Call No.: SH151.V6  
(Bibliography: p. 186-(188))

0782 1975  
PRODUCTION OF HYBRID (BLUE X CHANNEL) CATFISH AND CHANNEL CATFISH IN PONDS. YANT, D.R.; SMITHERMAN, R.O.; GREEN, O.L.  
PROCEEDINGS OF THE TWENTH-NINTH ANNUAL CONFERENCE OF THE SOUTHEASTERN ASSOCIATION OF GAME AND FISH COMMISSIONERS, 1975. 82-86.  
Aquaculture Data Base No.: 4096

0783 1975  
THE ROLE OF FISH HATCHERIES IN FOOD PRODUCTION. MAYO, R.D.  
KRAMER, CHIN AND MAYO, INC. TECHNICAL REPRINT NO. 37. SEATTLE, WASHINGTON. 14P.  
Aquaculture Data Base No.: 3831

0784 1975  
SELECTIVE BREEDING OF THE FRESH AND BRACKISH-WATER SHRIMP MACROBRACHIUM ACANTHURUS. DOBKIN, S.; MONTFRANS, J.; HOLLAND, D.H.  
PROCEEDINGS OF THE SIXTH ANNUAL WORKSHOP WORLD MARICULTURE SOCIETY, SEATTLE WASHINGTON. 33-36.  
Aquaculture Data Base No.: 3128

1974

0785 1974  
ATLANTIC SALMON REARING IN MICHIGAN. WESTERS, H.; COPELAND, J.  
MICHIGAN DEPARTMENT OF NATURAL RESOURCES FISHERIES DIVISION, TECHNICAL REPORT NO. 74-1. 8P.  
Aquaculture Data Base No.: 3995

0786 1974  
Essay on breeding young heterotis at different density. Essai d'elevage d'alevins d'heterotis a des densites differentes. FRENCH.  
Morissens, P.  
Madagascar: Centre national de recherches forestieres et piscioles, Programme de recherches piscioles, Station d'Analamazaotra-Perinet; 1974. 15 leaves; 28 cm.  
NAL Call No.: SH155.5.M6  
(Bibliography: leaf 15.)

0787 1974  
Essay on comparative breeding of tilapias shirana and tilapias nilotica. Essai d'elevage compare de tilapias shirana et de tilapias nilotica : compte rendu d'installation et protocole. FRENCH.

- Morissens, P.  
Madagascar: Centre national de recherches forestieres et piscicoles, Programme pisciculture, Station d'Analamazaotra-Perinet; 1974. 7 leaves; 28 cm.  
NAL Call No.: SH155.5.M62
- 0788 1974  
Essay on crossbreeding carps with tilapias. Essai d'elevage de carpes en melange avec tilapias SP : densites de tilapias differentes ; compte rendu d'installation et protocole. FRENCH.  
Morissens, P.  
Madagascar: Centre national de recherches forestieres et piscicoles, Programme pisciculture, Station d'Analamazaotra-Perinet; 1974. 24 leaves; 28 cm.  
NAL Call No.: SH155.5.M64
- 0789 1974  
EXPERIMENTS ON INDUCED BREEDING OF THE GREY MULLET IN TAIWAN FROM 1963 TO 1973.  
LIAO, I.C.  
AQUICULTURE. TUNGKANG MARINE LABORATORY 2 (2), 1-24.  
Aquaculture Data Base No.: 949
- 0790 1974  
Influence of size of eggs and age of female on hatchability and growth in rainbow trout. [Fish breeding].  
Gall, G A E.  
*Calif Fish Game*. 60 (1): 26-35. Ref. Jan 1974. .)  
NAL Call No.: 410 C12
- 0791 1974  
MASS REARING OF THE BASS DICENTRARCHUS LABRAX L.  
BARNABE, G.  
THE EARLY LIFE HISTORY OF FISH. PAGES 749-753. SPRINGER-VERLAG, NEW YORK.  
Aquaculture Data Base No.: 2962
- 0792 1974  
OPTIMIZATION OF THE SALMONID NURSERY STREAM.  
MUNDIE, J.H.  
JOURNAL OF THE FISHERIES RESEARCH BOARD OF CANADA 31 (11), 1827-1837.  
Aquaculture Data Base No.: 2194
- 0793 1974  
PROPAGATION OF CATFISH.  
AVAULT, J.W., JR.  
MCCLANES NEW STANDARD FISHING ENCYCLOPEDIA AND INTERNATIONAL ANGLING GUIDE, 334-335. (REPRINT 1-6.).  
Aquaculture Data Base No.: 6101
- 0794 1974  
A REARING TANK FOR LOBSTER LARVAE AND OTHER AQUATIC SPECIES.  
HUGHES, J.T.; SHLESER, R.A.; TOCHOBANOGLIOUS, G.  
THE PROGRESSIVE FISH-CULTURIST 36 (3), 129-133.  
Aquaculture Data Base No.: 916
- 0795 1974  
Salmon fry production in a gravel incubator hatchery, Auke Creek, Alaska, 1971-72.  
Bailey, Jack E.
- Seattle : U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Marine Fisheries Service., 1974. iv, 13 p. : ill. ; 26 cm. -.  
NAL Call No.: SH11.A1 No.3  
(NOAA technical memorandum NMFS ABFL ; 3)
- 0796 1974  
TENN. AQUACULTURIST, BILL HALL SUPPLIES "FASTER FINGERLINGS".  
THOMAS, R.B.  
AQUACULTURE AND THE FISH FARMER 1 (3), 26-27.  
Aquaculture Data Base No.: 1020
- 1973
- 0797 1973  
APPARATUS FOR DEVELOPMENT OF AQUATIC EMBRYOS IN CONTROLLED ENVIRONMENTS UNDER CONTINUOUS OBSERVATION.  
KELLNER, K.R.; HAMILTON, S.B.  
COPEIA 1973 (4), 809-810.  
Aquaculture Data Base No.: 2056
- 0798 1973  
Augmentation of salmon stocks through artificial propagation: methods and implications.  
Stevens, Joe B; Mattox, Bruce W.  
NOAA Tech Rep NMFS Circ-371.: Apr 1973. 133-145.  
NAL Call No.: 73.9907187  
AGE.  
(Paper presented at the Supply Workshop, Bureau of Commercial Fisheries (now the National Marine Fisheries Service), Washington, D.C., November 5 and 6, 1970.)
- 0799 1973  
COMPARISON OF A WILD AND A DOMESTIC STRAIN OF CHANNEL CATFISH, ICTALURUS PUNCTATUS.  
BURNSIDE, M.C.  
LOUISIANA STATE UNIVERSITY. UNPUBLISHED THESIS, 1-44.  
Aquaculture Data Base No.: 6272
- 0800 1973  
THE EFFECTS OF SUSPENDED SEDIMENT ON THE HATCHING SUCCESS OF PERCA FLAVESCENS (YELLOW PERCH), MORONE AMERICANA (WHITE PERCH), MORONE SAXATILIS (STRIPED BASS), AND ALOSA PSEUDOHARENGUS (ALEWIFE) EGGS.  
SCHUBEL, J.R.; WANG, J.C.S.  
MARYLAND FISH AND WILDLIFE ADMINISTRATION SPECIAL REPORT 30. 67P.  
Aquaculture Data Base No.: 2479
- 0801 1973  
AN EVALUATION OF STRIPED BASS FINGERLING CULTURE.  
HUMPHRIES, E.T.; CUMMING, K.B.  
TRANSACTIONS OF THE AMERICAN FISHERIES SOCIETY 102 (1), 13-20.  
Aquaculture Data Base No.: 245
- 0802 1973  
FEASIBILITY OF INCREASING STRIPED BASS POPULATIONS BY STOCKING OF UNDER UTILIZED NURSERY GROUNDS.  
MERRINER, J.V.; HOAGMAN, W.J.



COMPLETION REPORT FA-VIRGINIA AFS 6.  
VIRGINIA INSTITUTE OF MARINE SCIENCE.  
197P.

Aquaculture Data Base No.: 1259

0803 1973  
A HATCHERY FOR BREEDING AND FORCED  
SPAWNING AT KIBBUTZ EIN HAMIFRATZ.  
MIRES, D.  
BAMIDGEH 25 (3), 72-84.  
Aquaculture Data Base No.: 3404

0804 1973  
A HATCHERY FOR BREEDING AND FORCED  
SPAWNING AT KIBBUTZ EIN HAMIFRATZ.  
MIRES, D.  
BAMIDGEH 25(3), 72-84.  
Aquaculture Data Base No.: 3725

0805 1973  
INDUCED BREEDING OF GRASS CARP IN  
NEPAL.  
SHRESTHA, S.B.  
BAMIDGEH 25 (1), 10-16.  
Aquaculture Data Base No.: 1683

0806 1973  
JOB NO. 4 FINGERLING PRODUCTION.  
STATEWIDE STRIPED BASS STUDY.  
BONN, E.W.  
TEXAS PARKS AND WILDLIFE DEPARTMENT,  
AUSTIN, TEXAS. PROJECT F-27-R-2. 1-6.  
Aquaculture Data Base No.: 2099

0807 1973  
OBSERVATION ON THE GROWTH OF HYBRID  
FINGERLINGS OF TILAPIA CROSSES (T. AUREA  
MALE X T. VOLCANI FEMALE).  
YASHOUV, A.; HALEVY, A.  
BAMIDGEH 25 (3), 85-88.  
Aquaculture Data Base No.: 2001

0808 1973  
OYSTER GENETICS AND THE PROBABLE  
FUTURE ROLE OF GENETICS IN  
AQUACULTURE.  
LONGWELL, A.C.; STILES, S.S.  
MALACOLOGICAL REVIEW 6, 151-177.  
Aquaculture Data Base No.: 1811

0809 1973  
PRELIMINARY STUDIES USING SYNTHETIC  
POLYMERS TO REDUCE TURBIDITY IN A  
HATCHERY WATER SUPPLY.  
OLSON, W.H.; CHASE, D.L.; HANSON, J.N.  
THE PROGRESSIVE FISH-CULTURIST 35 (2), 66-73.  
Aquaculture Data Base No.: 633

0810 1973  
THE REARING OF RAINBOW TROUT (SALMO  
IRIDEUS (GIBB.)) UNDERYEARLINGS IN FISH  
FARMS IN THE WESTERN PROVINCE OF THE  
UKRAINE.  
GALASUN, P.T.

JOURNAL OF ICHTHYOLOGY 13 (6), 891-899.  
Aquaculture Data Base No.: 926

0811 1973  
A STUDY OF THE EFFECTS OF A CENTRIFUGAL  
WASTEWATER CONCENTRATOR ON FISH  
HATCHERY REARING WATER.  
VAIL, J.P.  
KRAMER, CHIN AND MAYO, INC. TECHNICAL  
REPRINT NO. 42. SEATTLE, WASHINGTON. 2P.  
Aquaculture Data Base No.: 3833

0812 1973  
Thermal effects on eggs, larvae and juveniles of bluegill  
sunfish.  
Banner, Arnold; Van Arman, Joel A.  
Washington. 1973. 111 p.  
NAL Call No.: TD427.H4B3  
(Ecological research series)  
(Contract no. 14-12-913. Project 18050 GAB.  
Bibliography: p. 105-111)

0813 1973  
VARIABILITY OF JUVENILE GRASS CARP  
(CTENOPHARYNGODON IDELLA (VAL.)) AND  
POND CARP (CYPRINUS CARPIO (L.)) REARED  
AT A HATCHERY IN THE SOUTHERN UKRAINE.  
HOA, T.D.L.  
JOURNAL OF ICHTHYOLOGY 13 (2), 305-309.  
Aquaculture Data Base No.: 1397

0814 1973  
WASHINGTON POND TRAYS AS A METHOD  
FOR INCUBATING SALMON EGGS AND FRY.  
SENN, H.G.; PATTIE, J.H.; CLAYTON, J.G.  
THE PROGRESSIVE FISH-CULTURIST 35 (3),  
132-137.  
Aquaculture Data Base No.: 652

1972

0815 1972  
BREEDING DEPRESSIONS IN CULTURE PONDS  
FOR MALAYSIAN PRAWNS.  
SMITH, T.I.J.; SANDIFER, P.A.  
AQUACULTURE 18 (1), 51-57.  
Aquaculture Data Base No.: 7142

0816 1972  
CATFISH SPAWNING--TROUGH CULTURE  
MAKES A BIG DIFFERENCE.  
KINNEAR, H.M.  
AMER. FISH FARMER WORLD AQUACULT.  
NEWS 3(6), 6-7.  
Aquaculture Data Base No.: 5044

0817 1972  
Genetics, selection, and hybridization of fish.  
Cherfas, B I.  
Jerusalem, Israel Program for Scientific Translations.  
1972. 269 p. illus.  
NAL Call No.: SH91.G43  
(TT 71-50112, IPST cat. no. 600424. Translation of:  
Genetika, selektsiia i gibridizatsiia ryb. Includes  
bibliographies)

0818 1972  
THE GREY MULLET (MUGIL CEPHALUS L.),  
INDUCED BREEDING AND LARVAL REARING  
RESEARCH 1970-1972.

SHEHADEH, Z.H.; NORRIS, K.S.  
OCEANIC INSTITUTE, WAIMANALO, HAWAII.  
NOAA-OI-72-76-1. 202P.  
Aquaculture Data Base No.: 396

0819 1972  
On the breeding of fish and crustaceans-like organisms  
in the water bodies of Lithuania. Voprosy razvedeniia  
ryb i rakoobraznykh v vodoemakh Litvy. RUS.  
Virbickas, Jouzas.  
Vilnius, Mintis, 1972. 243 p. illus.  
NAL Call No.: SH91.V66  
(Added t.p., table of contents and summary in  
English. Includes bibliographies.)

0820 1972  
PRELIMINARY EXPERIMENTS ON THE  
REARING OF LARVAL LEMON SOLE  
MICROSTOMUS KITT (WALBAUM) ON  
CULTURED FOODS.  
HOWELL, B.R.  
AQUACULTURE 1(1), 39-44.  
Aquaculture Data Base No.: 4

0821 1972  
PROGRESS REPORT ON FRY PRODUCTION AND  
REARING OF FINGERLING STRIPED BASS  
MORONE SAXATILIS (WALBAUM) AT  
RICHMOND HILL FISH HATCHERY, GEORGIA.  
MCBAY, L.G.  
GEORGIA GAME AND FISH COMMISSION  
SPORT FISHERIES DIVISION CONTRIBUTION  
SERIES NO. 4. 27P.  
Aquaculture Data Base No.: 2063

0822 1972  
A STUDY FOR DEVELOPMENT OF FISH  
HATCHERY WATER TREATMENT SYSTEMS.  
MAYO, R.D.; LIAO, P.B.; WILLIAMS, W.G.  
U.S. ARMY CORPS OF ENGINEERS, WALLA  
WALLA DISTRICT, CONTRACT NO.  
DACW68-71-0059.  
Aquaculture Data Base No.: 2730

1971

0823 1971  
Developmental, immunological and distributional  
properties of lactate dehydrogenase isozymes in trout.  
Heckman, James Robert  
1971: vii, 138 leaves; 21 cm.  
NAL Call No.: DISS 72-19,317  
Photocopy of typescript. Ann Arbor: University  
Microfilms, 1972.  
Thesis (Ph.D.)--Pennsylvania State University, 1971.  
(Bibliography: leaves (130)-138.)

0824 1971  
EFFECT OF RADIOACTIVE CONTAMINATION OF  
THE AQUATIC MEDIUM ON THE  
REPRODUCTIVE CAPACITY OF FISH.  
SHEKHANOVA, I.A.; VORONINA, E.A.  
NMFS TT 7150131, IPST 600480, 99-105. (TRANSL.  
FROM RUSSIAN).  
Aquaculture Data Base No.: 1366

0825 1971  
MARINE GENETICS WITH SPECIAL EMPHASIS  
ON ITS APPLICATION TO AQUACULTURE.  
DIAMANTIS, B.

UNIVERSITY OF RHODE ISLAND. SEA GRANT  
REPORT. RIU-Z-71-024, F49-F51.  
Aquaculture Data Base No.: 2113

0826 1971  
A NEW LOOK AT HATCHERIES.  
WILLOUGHBY, H.  
SPORT FISHING U S A. P. 359-370. BUREAU OF  
SPORT FISHERIES AND WILDLIFE, FISH AND  
WILDLIFE SERVICE.  
Aquaculture Data Base No.: 955

0827 1971  
PRELIMINARY REPORT ON INDUCED  
BREEDING OF POND-REARED MULLET, MUGIL  
CEPHALUS LINNAEUS.  
LIAO, I.C.; LEE, D.L.; LIM, M.Y.; LO, M.C.  
REPORTS ON FISH CULTURE.  
CHINESE-AMERICAN JOINT COMMISSION ON  
RURAL RECONSTRUCTION. FISHERIES SERIES  
NO. 11. 35P. (IN CHINESE, ENGLISH ABSTRACT).  
Aquaculture Data Base No.: 1306

0828 1971  
PROBLEMS OF FISH SELECTION AND  
ADVANCES IN THE FIELD.  
KIRPICHNIKOV, V.S.  
NMFS TT 71-50027/12, IPST 650885. 4P. (TRANSL.  
FROM RUSSIAN).  
Aquaculture Data Base No.: 1957

0829 1971  
REPORT ON FRY PRODUCTION AND REARING  
OF FINGERLING STRIPED BASS, MORONE  
SAXATILIS (WALBAUM) AT RICHMOND HILL  
FISH HATCHERY, GEORGIA.  
MCBAY, L.G.  
GEORGIA GAME AND FISH COMMISSION  
SPORT FISHERIES DIVISION CONTRIBUTION  
SERIES NO. 3. 39P.  
Aquaculture Data Base No.: 2078

0830 1971  
TASKS IN FISH BREEDING ECONOMY  
OUTLINED.  
VANYAYEV, N.  
SOV. ROSS., P. 2. (COPY OF TRANSLATION  
AVAILABLE ON LOAN FROM NMFS.).  
Aquaculture Data Base No.: 5259

1970

0831 1970  
BREEDING OF MAJOR INDIAN CARPS IN A  
FOUNTAIN POND.  
VERNA, M.N.  
THE PROGRESSIVE FISH-CULTURIST 32 (4),  
222-223.  
Aquaculture Data Base No.: 108

0832 1970  
ECONOMIC EFFICIENCY OF BREEDING  
HERBIVOROUS FISHES IN PONDS.  
DUKHNOVSKI, M.K.



BREEDING AND GENETICS

NMFS TT 73-50001. IPST 651734/A. 7P. (TRANSL. FROM RUSSIAN).  
Aquaculture Data Base No.: 1376

0833 1970  
FISH SEED PRODUCTION FOR INTENSIVE COASTAL AQUACULTURE IN THE INDO-PACIFIC REGION.  
BLANCO, G.J.  
COASTAL AQUACULTURE IN THE INDO-PACIFIC REGION. P. 195-207. FISHING NEWS (BOOKS) LTD., LONDON.  
Aquaculture Data Base No.: 774

0834 1970  
GYNOGENESIS, A RAPID METHOD FOR PRODUCING INBRED LINES OF FISH.  
PURDOM, C.E.  
FISHING NEWS INTERNATIONAL 9 (9), 29-32.  
Aquaculture Data Base No.: 3694

0835 1970  
A PRELIMINARY REPORT ON FRY PRODUCTION AND REARING OF FINGERLING STRIPED BASS MORONE SAXATILIS WALBAUM AT RICHMOND HILL FISH HATCHERY IN GEORGIA.  
MCBAY, L.G.  
GEORGIA GAME AND FISH COMMISSION SPORT FISHERIES DIVISION CONTRIBUTION SERIES NO. 2. 33P.  
Aquaculture Data Base No.: 2062

0836 1970  
PRELIMINARY RESULTS IN THE USE OF A NURSERY POND AS A TOOL IN FISHERY MANAGEMENT.  
KEITH, W.E.  
PROCEEDINGS SOUTHEASTERN ASSOCIATION OF GAME AND FISH COMMISSIONERS 23, 501-511.  
Aquaculture Data Base No.: 1082

0837 1970  
PRODUCTION OF SEED OYSTERS (CRASSOSTREA VIRGINICA) IN A BRACKISHWATER POND.  
MATTHIESSEN, G.C.  
COASTAL AQUACULTURE IN THE INDO-PACIFIC REGION. P. 273-276. FISHING NEWS (BOOKS) LTD., LONDON.  
Aquaculture Data Base No.: 780

0838 1970  
PRODUCTION OF STRIPED BASS FINGERLINGS, MORONE SAXATILIS (WALBAUM), ON OKLAHOMA STATE FISH HATCHERIES.  
JARMAN, R.; HARPER, J.L.  
PROCEEDINGS SOUTHEASTERN ASSOCIATION OF GAME AND FISH COMMISSIONERS 23, 571-575.  
Aquaculture Data Base No.: 1083

0839 1970  
PROPAGATION OF GRASS CARP AND SILVER CARP.  
KIM, I.B.

BULLETIN OF PUSAN FISHERIES COLLEGE 10 (1), 33-49. (IN KOREAN, ENGLISH ABSTRACT).  
Aquaculture Data Base No.: 965

0840 1970  
SEED OYSTER PRODUCTION IN A SALT POND.  
MATTHIESSEN, G.C.  
FOOD - DRUGS FROM THE SEA PROCEEDINGS 1969. P. 87-91. MARINE TECHNOLOGY SOCIETY.  
Aquaculture Data Base No.: 1050

0841 1970  
SEXUAL MATURATION AND AN ANALYSIS OF DISTURBANCES TO GAMETOGENESIS IN MALES OF THE BROAD WHITEFISH (COREGONUS NASUS (PALLAS)) WHEN REARED IN PONDS AND LAKES IN THE NORTHWEST OF THE USSR.  
KIZ'MIN, A.N.; CHUVATOVA, A.M.  
JOURNAL OF ICHTHYOLOGY 10 (1), 55-66.  
Aquaculture Data Base No.: 1591

1969

0842 1969  
Genetics, selection, and hybridization of fish. Genetika, selektsiia i gibridizatsiia ryb : (po materialam soveshchaniia, provedennogo v 1967 g.). RUSSIAN.  
Cherfas, B. I.  
Moskva: "Nauka"; 1969. 309 p.: iil.  
NAL Call No.: SH155.5.G4 1967  
On leaf preceding t.p.: Akademiia nauk SSSR. Ministerstvo rybnogo khoziaistva SSSR. Ikhtiologicheskaiia komissiiia. Ministerstvo rybnogo khoziaistva RSFSR. Gosudarstvennyi nauchno-issledovatel'skii institut ozernogo i rechnogo rybnogo khoziaistva.  
(Includes bibliographies.)

1968

0843 1968  
Management of trout breeding; a textbook for conducting and forming of trout breeding establishments according to managing and commercial aspects. Die Betriebsfuehrung in der Forellenzucht: Ein Lehrbuch fuer die Leitung und Gestaltung von Forellenzuchtbetrieben nach betriebswirtschaftlichen und kaufmannischen Gesichtspunkten. GER.  
Wiesner, Erhard Robert.  
Hamburg, P. Parey. 1968. 183 p. illus.  
NAL Call No.: SH167 .T86W5  
(Bibliography: p. 177-178.)

1953

0844 1953  
METHODS OF INCREASING PRODUCTIVITY OF SPAWNING REARING ENTERPRISES IN THE VOLGA DELTA.  
KARZINKIN, G.S.; KOZHIN, N.I.  
TRANSACTIONS OF THE USSR INSTITUTE OF FISHERIES AND OCEANOGRAPHY (VNIRO) VOL. XXIV.  
Aquaculture Data Base No.: 3674

## 4: DISEASES, PARASITES, PESTS

- 1982
- 0846 1982  
Acute liver damages in coho salmon caused by aflatoxins (Oncorhynchus kisutch, feed contamination). Akute Leberschaden beim Coho-Lachs durch Aflatoxine. GERMAN.  
Brunger, A.; Greuel, E.  
Kraftfutter; v. 65, (4), p. 148, 150. ill. Apr 1982. (Hannover, W. Ger.: Alfred Strothe.)  
NAL Call No.: 389.78 K85  
(Ref.)
- 0847 1982  
Argulus foliaceus in young of Coregonidae reared in cages (Branchiura, Copepoda, parasite of lake fishes, Lithuanian SSR). RUSSIAN.  
Zhiliukas, V.J.; Rauckis, E.J.  
Parazitologija; v. 16, (2), p. 117-121. Mar/Apr 1982. (Leningrad: "Nauka".)  
NAL Call No.: QL757.A1P32  
(Includes 10 ref.)
- 0848 1982  
BOTULISM IN JUVENILE COHO SALMON (ONCORHYNCHUS KISUTCH) IN THE UNITED STATES.  
EKLUND, M.W.; PETERSON, M.E.; PAYSKY, F.T.; PECK, L.W.; CONRAD, J.F.  
AQUACULTURE 27 (1), 1-11.  
Aquaculture Data Base No.: 9513
- 0849 1982  
Conchiolin infection and surface coating Vibrio: shell fragility, growth depression and mortalities in cultured oysters and clams, Crassostrea virginica, Ostrea edulis and Mercenaria mercenaria.  
Elston, R.; Elliot, E.L.; Colwell, R.R.  
Journal of fish diseases; v. 5, (4), p. 265-284. ill. July 1982. (Oxford, Eng.: Blackwell Scientific.)  
NAL Call No.: SH171.A1J68  
(2 p. ref.)
- 0850 1982  
Developmental studies on Polyonchobothrium ophiocephalina (Tseng, 1933) and Bothriocephalus opsariichthydis Yamaguti, 1934 (Infecting eels, fishes). CHINESE.  
Tang, Z.  
Acta zoologica sinica; v. 28, (1), p. 51-59. ill. Mar 1982. (Peking, China: (s.n.).)  
NAL Call No.: 410 AC87  
(2 p. ref.)
- 0851 1982  
IMPACT OF PREDATORS ON FISH FARMING. PART TWO.  
MARTIN, M.
- AQUACULTURE MAGAZINE 8 (3), 44-45.  
Aquaculture Data Base No.: 9508
- 0852 1982  
The life history of Haplorchis pumilio (Looss, 1896) from cultured tilapias (Tilapia, Sarotherodon, parasitic infections).  
Sommerville, C.  
Journal of fish diseases; v. 5, (3), p. 233-241. ill. May 1982. (Oxford: Blackwell Scientific.)  
NAL Call No.: SH171.A1J68  
(Includes 2 p. ref.)
- 0853 1982  
Microbiology of laboratory-hatched brine shrimp (Artemia).  
Austin, B.; Allen, D.  
Aquaculture; v. 26, (3/4), p. 369-383. Jan 1982. (Amsterdam: Elsevier Scientific Publishing.)  
NAL Call No.: SH1.A6  
(Includes 4 p. ref.)
- 0854 1982  
Microbiology: wastewater treatment (Includes fish raising in Thailand).  
Pipes, W.O.; Minnigh, H.A.  
Journal - Water Pollution Control Federation; v. 54, (6), p. 987-989. June 1982. (Washington, D.C.: The Federation.)  
NAL Call No.: 293.8 SE8  
Review of 1981 literature.  
(45 ref.)
- 0855 1982  
Mobile surgical table with automatic solenoid system for fishery applications.  
McKim, J.M.; Svrett, R.F.  
The Progressive fish culturist - United States, Fish and Wildlife Service; v. 44, (2), p. 75-78. ill. Apr 1982. (Washington, D.C.: The Service.)  
NAL Call No.: 157.5 P94  
(11 ref.)
- 0856 1982  
Parasites of reared fishes (Protozoa, worms, crustacea). Ectoparasitosi nei pesci allevati. ITALIAN.  
Scovacricchi, T.; Giorgetti, G.  
Informatore zootecnico; v. 29, (9), p. 56-58. ill. May 15, 1982. (Bologna, Italy: Edagricole.)  
NAL Call No.: 49 IN3
- 0857 1982  
Parasitosis in intensive fish production. Parasitosen in der intensiven Fischproduktion. GERMAN.  
Greuel, E.; Schilling, H.U.  
Kraftfutter; v. 65, (4), p. 152-153. ill. Apr 1982. (Hannover, W. Ger.: Alfred Strothe.)  
NAL Call No.: 389.78 K85  
(3 ref.)
- 0858 1982



DISEASES, PARASITES, PESTS

**VIRAL DISEASE CONTROL STUDY DEVELOPS SHRIMP CULTURE IMMUNIZATION TECHNIQUES.**

CROWDER, B.  
AQUACULTURE MAGAZINE 8 (4), 12-15.  
Aquaculture Data Base No.: 9594

1981

0859 1981  
Bacterial nephritis of the Californian trout at a fish farm in SR Serbia. Bakterijski nefritis kalifornijskih pastrmki u jednom ribnjaku u SR Srbiji. SERBO-CROPTIAN. Jeremic, S.; Valter, D. Veterinarski glasnik; v. 35, (10), p. 1025-1029. 1981. (Beograd: Savez veterinara i veterinarskih tehnicara SFRJ.)  
NAL Call No.: 41.8 J93  
(Includes 10 ref.)

0860 1981  
CHEMICAL AQUATIC WEED MANAGEMENT DISCUSSED. O'NEIL, M.R. AQUACULTURE MAGAZINE 7 (3), 26-29. Aquaculture Data Base No.: 8717

0861 1981  
CONTROL OF BIRD DAMAGE AT AQUACULTURE FACILITIES. SALMON, T.P.; CONTE, F.S. WILDLIFE MANAGEMENT LEAFLET NO.475, UNIVERSITY OF CALIFORNIA COOPERATIVE EXTENSION AND U.S. FISH AND WILDLIFE SERVICE, 1-11. Aquaculture Data Base No.: 9756

0862 1981  
Diagnosis of vibriosis in a commercial oyster hatchery epizootic: diagnostic tools and management features (Crassostrea virginica, Vibrio spp.). Elston, R.; Leibovitz, L.; Relyea, D.; Zetila, J. Aquaculture; v. 24, (1/2), p. 53-62. ill. May 1981. (Amsterdam: Elsevier Scientific Publishing.)  
NAL Call No.: SH1.A6  
(8 ref.)

0863 1981  
DIAGNOSTIC SERVICES AVAILABLE. HOFFMAN, C.L.; MITCHELL, A.J. AQUACULTURE MAGAZINE 1982 BUYER'S GUIDE, 32-37. Aquaculture Data Base No.: 9321

0864 1981  
Diseases in salmon hatcheries (New Zealand). Boustead, N.C. Occasional publication - Fisheries Research Division; (30), p. 73-77. ill. 1981. (Wellington: New Zealand Ministry of Agriculture and Fisheries.)  
NAL Call No.: SH318.5.A1N4  
(Includes 2 ref.)

0865 1981  
EELS: PARASITES AND AQUATIC CHEMICALS. EVERSOLE, A.G.

AQUACULTURE MAGAZINE 7 (4), 40-41.  
Aquaculture Data Base No.: 8875

0866 1981  
Effect of polybrene on the infectivity of infectious haemopoietic necrosis virus in tissue culture (Young trout and salmon species). Leong, J.C.; Fendrick, J.L.; Youngman, S.; Lee, A. Journal of fish diseases; v. 4, (4), p. 335-344. ill. July 1981. (Oxford: Blackwell Scientific.)  
NAL Call No.: SH171.A1J68  
(16 ref.)

0867 1981  
Endemic diseases of cultured shellfish of Long Island, New York: adult and juvenile American oysters (Crassostrea virginica) and hard clams (Mercenaria mercenaria) (Protozoa, helminths, arthropod parasites, actinomycete and plasmodial organisms). Meyers, T.R. Aquaculture; v. 22, (4), p. 305-330. ill. Mar 1981. (Amsterdam: Elsevier Scientific Publishing.)  
NAL Call No.: SH1.A6  
(Bibliography p. 329-330.)

0868 1981  
Environment and sanitary conditions in fish culture (Infectious diseases). Ambiente e stato sanitario in itticoltura. ITALIAN. Giorgetti, G.; Scovacricchi, T. Informatore zootecnico; v. 28, (12), p. 33-35. ill. June 30, 1981. (Bologna: Edagricole.)  
NAL Call No.: 49 IN3

0869 1981  
Fish mortality at Hau Fish Farm. Kapur, K.; Yadav, N.K. Journal of research - Haryana Agricultural University; v. 11, (2), p. 272-274. June 1981. (Hissar, India: The University.)  
NAL Call No.: S19.J68  
(8 ref.)

0870 1981  
FISH VET'S DIARY. ROBERTS, R.J. FISH FARMING INTERNATIONAL 8 (2), 42-43. Aquaculture Data Base No.: 9229

0871 1981  
Histochemical, fluorescent and electron microscopical appearance of hepatocellular ceroidosis in the Atlantic salmon Salmo salar L. (Fed rancid feed or a vitamin E deficient diet, lipid liver degeneration). Roald, S.O.; Armstrong, D.; Landsverk, T. Journal of fish diseases; v. 4, (1), p. 1-14. ill., plate. Jan 1981. (Oxford: Blackwell Scientific.)  
NAL Call No.: SH171.A1J68  
(Bibliography p. 12-14.)

0872 1981  
Ichthyophthiriasis (ciliated protozoan, Ichthyophthirius multifiliis) of Atlantic salmon, Salmo salar L., at the Montta hatchery in northern Finland in 1978-1979. Valtonen, E.T.; Keranen, A.L.

Journal of fish diseases; v. 4, (5), p. 405-411. ill., map.  
Sept 1981. (Oxford: Blackwell Scientific.)  
NAL Call No.: SH171.A1J68  
(13 ref.)

0873 1981  
The life history, developmental stages, and taxonomic relations of the digenetic trematode *Lasiotocus minutus* (Manter, 1931) Thomas, 1959 (Parasites of fishes, clams).  
Stunkard, H.W.  
The Biological bulletin; v. 160, (1), p. 146-154. Feb 1981. (Woods Hole, Mass.: Marine Biological Laboratory.)  
NAL Call No.: 442.8 B52  
(19 ref.)

0874 1981  
Microbiological and hygienic problems of fish farming (especially sea trout) in seawater (Denmark).  
Mikrobiologiske og hygienjniske problemer omkring fiskeopdraet (specielt orredopdraet) i havvand (havbrug).  
DANISH.  
Larsen, J.L.; Christensen, N.O.  
Dansk veterinærtidsskrift; v. 64, (2), p. 43-49. ill. Jan 15, 1981. (Kobenhavn: Danske Dyrlaegeforening.)  
NAL Call No.: 41.9 D23  
(7 ref.)

0875 1981  
An overview of the various techniques to control infectious diseases in water supplies and in water reuse aquacultural systems (Fish culture).  
Dupree, H.K.  
Proceedings of the Bio-Engineering Symposium for Fish Culture / edited by Lochie Jo Allen and Edward C. Kinney; p. 83-89. 1981. (Bethesda, Md.: Fish Culture Section of the American Fisheries Society.)  
NAL Call No.: SH151.B54 1979  
(2 p. ref.)

0876 1981  
Red-fin disease occurring continually in eels on a fish farm (*Aeromonas hydrophila*, Mie Prefecture).  
JAPANESE.  
Sato, Y.  
Nihon Juishikai zasshi. Journal of the Japan Veterinary Medical Association; v. 34, (11), p. 527-530. ill. 1981. (Tokyo: Nihon Juishikai.)  
NAL Call No.: 41.9 J275  
(Includes 16 ref.)

0877 1981  
Salmonid macrophages: separation, in vitro culture and characterization (Cellular immunity in fish, rainbow trout, *Salmo gairdneri*, Atlantic salmon, *Salmo salar*).  
Braun-Nesje, R.; Bertheussen, K.; Kaplan, G.; Seljelid, R.  
Journal of fish diseases; v. 4, (2), p. 141-151. ill. Mar 1981. (Oxford: Blackwell Scientific.)  
NAL Call No.: SH171.A1J68  
(16 ref.)

0878 1981  
Streptomyces in muddy waters used for raising trout. Streptomyces in fanghi di acque di allevamento di trote.  
ITALIAN.  
Comi, G.; Cantoni, C.; Traldi, C.

Archivio veterinario italiano; v. 32, (3/4), p. 21-24. Aug 1981. (Milano: Universita degli studi di Milano.)  
NAL Call No.: 41.8 AR25  
(26 ref.)

0879 1981  
A study of two shellfish-pathogenic *Vibrio* strains isolated from a Long Island hatchery during a recent outbreak of disease.  
Brown, C.  
Journal of shellfish research; v. 1, (1), p. 83-87. ill. June 1981. (Duxbury, Mass.: Battelle.)  
NAL Call No.: SH365.A1J6  
(Includes 12 ref.)

0880 1981  
A survey of the prevalence and distribution of proliferative kidney disease (PKD) (in farmed rainbow trout, *Salmo gairdneri*) in England and Wales (in fishes).  
Seagrave, C.P.; Bucke, D.; Hudson, E.B.; McGregor, D.  
Journal of fish diseases; v. 4, (5), p. 437-439. map. Sept 1981. (Oxford: Blackwell Scientific.)  
NAL Call No.: SH171.A1J68  
(7 ref.)

0881 1981  
Transmission of bacterial kidney disease (by *Renibacterium salmoninarum*) from wild (brook trout (*Salvelinus fontinalis*) to stocked hatchery trout (*Salmo trutta*, *Salmo gairdneri*).  
Mitchum, D.L.; Sherman, L.E.  
Canadian journal of fisheries and aquatic sciences. = Journal canadien des sciences halieutiques et aquatiques; v. 38, (5), p. 547-551. ill. May 1981. (Ottawa: Govt. of Canada, Fisheries and Oceans.)  
NAL Call No.: 442.9 C16J  
(27 ref.)

0882 1981  
Viral diseases of cultured warmwater fish.  
Plumb, J.A.  
Proceedings of Republic of China - United States Cooperative Science seminar on fish diseases; (pub. 1981), p. 67-73. 1979 (pub. 1981). (Taipei, Taiwan: National Science Council.)  
NAL Call No.: SH171.R47  
(Includes 38 ref.)

1980

0883 1980  
The 'ice-ice' problem in seaweed farming (*Eucheuma*, Algae, disease of probable bacterial cause).  
Uyenco, F.R.; Saniel, L.S.; Jacinto, G.S.  
Proceedings - International Seaweed Symposium; (10th), p. 625-630. 1980. (Berlin: W. de Gruyter.)  
NAL Call No.: QK564.I52  
(8 ref.)

0884 1980  
*Amyloodinium ocellatum* (Brown, 1931) (Dinoflagellida) infestations in cultured marine fish at Eilat, Red Sea: epizootiology and pathology (*Sparus aurata*, *Dicentrarchus labrax*).  
Paperna H, I.



**DISEASES, PARASITES, PESTS**

Journal of fish diseases; v. 3, (5), p. 363-372. ill. Sept 1980. (Oxford: Blackwell Scientific.)  
 NAL Call No.: SH171.A1J68  
 (19 ref.)

**0885** **1980**  
**Atmospheric gas supersaturation: educational and research needs (Gas bubble disease, fish culture, ecosystems, water treatment).**  
 Bouck, G.R.; D'Aoust, B.; Ebel, W.J.; Rulifson, R.  
 Transactions of the American Fisheries Society; v. 109, (6), p. 769-771. ill. Nov 1980. (Lawrence, Kan.: The Society.)  
 NAL Call No.: 414.9 AM3

**0886** **1980**  
**Bacteria associated with fin rot disease in hatchery-reared Atlantic salmon (Salmo salar).**  
 Schneider, R.; Nicholson, B.L.  
 Canadian journal of fisheries and aquatic sciences. = Journal canadien des sciences halieutiques et aquatiques; v. 37, (10), p. 1505-1513. ill. Oct 1980. (Ottawa: Govt. of Canada, Fisheries and Oceans.)  
 NAL Call No.: 442.9 C16J  
 (15 ref.)

**0887** **1980**  
**Cirrhosis of the liver in rainbow trout breeders (Ukrainian SSR).**  
 Rudenko, A.P.; Nakonechnaia, M.G.  
 Veterinariia; (4), p. 56. Apr 1980. (Moskva: "Kolos".)  
 NAL Call No.: 41.8 V6426

**0888** **1980**  
**Control measures to limit the extension of three major transmissible diseases of fish in intensive culture (Trout, carp, septicemia, viral hemorrhagic septicemia, infectious pancreatic necrosis). Mesures de prophylaxie visant a limiter l'extension des trois principales maladies transmissibles des poissons dans les elevages intensifs. FRENCH.**  
 Kolarowa, W.; Tschikowa, W.; Nedeltschew, N.  
 Bulletin de l'Office international des epizooties; v. 92, (9/10), p. 1011-1016. Sept/Oct 1980. (Paris: The Office.)  
 NAL Call No.: 41.8 OF2

**0889** **1980**  
**Criteria for the development of fish toxicity test-procedures with special consideration to behavioural patterns. Prüfparameter bei der Entwicklung von toxikologischen Verhaltenstests an Fischen. GERMAN.**  
 Spieser, O.H.  
 Methoden der Toxizitätsprüfung an Fischen : situation und beutereiling ; Bericht über ein Kolloquium am 15. und 16. Juni 1977 / bearb. von Gunther Hermann ... et al. -; p. 143-152. 1980. (Boppard: Boldt.)  
 NAL Call No.: RA1221.M43  
 (Bibliography p. 148-150.)

**0890** **1980**  
**Distribution of enteropathogenic Escherichia coli in oyster farm areas: relation of Escherichia coli MPN to enteropathogenic Escherichia coli contamination (Food-poisoning outbreaks, in Hiroshima Bay). JAPANESE.**  
 Ogawa, H.; Tokuno, H.; Sasaki, M.; Kishimoto, T.

Tokyo: The Society; Feb 1980. p. 5-12. ill., map.  
 NAL Call No.: 389.9 N57  
 Literature review.  
 (45 ref.)

**0891** **1980**  
**Dorsal aorta catheterization in rainbow trout (Salmo gairdneri). II. Glucocorticoid levels, hematological data and resumption of feeding for five days after surgery.**  
 Bry, C.; Zohar, Y.  
 Reproduction nutrition developpement; v. 20, (6), p. 1825-1834. ill. 1980. (Jouy-en-Josas: Institut national de la recherche agronomique.)  
 NAL Call No.: 442.8 AN75  
 (33 ref.)

**0892** **1980**  
**ERADICATION OF PREDATORY FISHES IN SHRIMP FARMS BY UTILIZATION OF THAI TEA SEED.**  
 TERAZAKI, M.; THARNBUPPA, P.; NAKAYAMA, Y.  
 AQUACULTURE 19 (3), 235-242.  
 Aquaculture Data Base No.: 7723

**0893** **1980**  
**Evolutionary origin of the T-lymphocyte receptor. II. Production and partial characterization of antisera to the immunoglobulin-like cell membrane protein from thymocytes of the carp. Evolutionärer Ursprung des T-Lymphozyten-Rezeptors. II. Herstellung und partielle Charakterisierung von Antisera gegen das Immunglobulin-ähnliche Zellmembranprotein von Thymozyten des Karpfens. GERMAN.**  
 Fiebig, H.; Scherbaum, I.; Ambrosius, H.  
 Acta biologica et medica Germanica; v. 39, (7), p. 845-853. ill. 1980. (Berlin: Akademie.)  
 NAL Call No.: QH301.A25  
 (15 ref.)

**0894** **1980**  
**First Italian anti-vibriosis vaccination experiments on fresh-water farmed rainbow trout (Furunculosis, Aeromonas salmonicida).**  
 Giorgetti, G.; Tomasin, A.B.; Ceschia, G.  
 Developments in biological standardization; v. 49, p. 455-459. 1980. (Basel: Karger.)  
 NAL Call No.: QR180.3.D4  
 (Includes 14 ref.)

**0895** **1980**  
**Fish harvest resulting from mechanical control of Hydrilla (verticillata, weed, in Orange Lake, Florida).**  
 Haller, W.T.; Shireman, J.V.; DuRant, D.F.  
 Transactions of the American Fisheries Society; v. 109, (5), p. 517-520. ill. Sept 1980. (Lawrence, Kan.: The Society.)  
 NAL Call No.: 414.9 AM3  
 (10 ref.)

**0896** **1980**  
**Histological characteristics of cataractous eye lenses in cultured masu salmon (Oncorhynchus masou, Japan).**  
 Watanabe, Y.; Yamada, J.  
 Hokkaido Daigaku Suisangaku-bu kenkyu iho. = Bulletin of the Faculty of Fisheries, Hokkaido University; v. 31, (4), p. 290-296. ill., 4 plates. Nov 1980. (Hakodate, Japan: The Faculty.)  
 NAL Call No.: 414.9 H682  
 (27 ref.)

- 0897** 1980  
**The immune system of cyprinid fish. Kinetics and temperature dependence of antibody-producing cells in carp (*Cyprinus carpio*).**  
 Rijkers, G.T.; Frederix-Wolters, E.M.H.; Muiswinkel, W.B. van.  
 Immunology; v. 41, (1), p. 91-97. ill. Sept 1980. (Oxford: Blackwell Scientific Publications.)  
 NAL Call No.: 448.3 IM6  
 (38 ref.)
- 0898** 1980  
**Incorporation of 3H- thymidine during early developmental stages of ovoviviparous and oviparous embryos in the brine shrimp, *Artemia salina*.**  
 Iwasaki, T.  
 Dobutsugaku zasshi (The Zoological magazine)Nihon Dobutsu Gakkai; v. 89, (3), p. 264-268. ill. Sept 1980. (Tokyo.)  
 NAL Call No.: 410.9 T57  
 (9 ref.)
- 0899** 1980  
**Isolation and identification of an atypical *Aeromonas salmonicida* strain causing epizootic losses among Atlantic salmon (*Salmo salar*) reared in a Nova Scotian hatchery.**  
 Paterson, W.D.; Douey, D.; Desautels, D.  
 Canadian journal of fisheries and aquatic sciences. = Journal canadien des sciences halieutiques et aquatiques; v. 37, (12), p. 2236-2241. ill. Dec 1980. (Ottawa: Govt. of Canada, Fisheries and Oceans.)  
 NAL Call No.: 442.9 C16J  
 (21 ref.)
- 0900** 1980  
**Isolation of *Aeromonas hydrophila* from a tall rot disease of cultured black porgy in Taiwan.**  
 Chen, Ling-Yang.; Chien, Chiu-Yuan.  
 Washington: NOAA; 1980. 8, (3) leaves: ill.; 28 cm.  
 NAL Call No.: SH171.C5  
 Translated from Chinese Cover title.  
 (Bibliography: leaf (11).)
- 0901** 1980  
**Migration and development of swim-bladder nematodes, *Cystidicola* spp. (Habronematoidea), in their definitive hosts (Salmonid fishes).**  
 Black, G.A.; Lankester, M.W.  
 Canadian journal of zoology. = Journal canadien de zoologie; v. 58, (11), p. 1997-2005. ill. Nov 1980. (Ottawa: National Research Council of Canada.)  
 NAL Call No.: 470 C16D  
 (20 ref.)
- 0902** 1980  
**Myxosome cerebralis: Trypsinization of plankton centrifuge harvests increases optical clarity and spore concentration (Trout infected with whirling disease).**  
 Markiw, M.E.; Wolf, K.  
 Canadian journal of fisheries and aquatic sciences. = Journal canadien des sciences halieutiques et aquatiques; v. 37, (12), p. 2225-2227. Dec 1980. (Ottawa: Govt. of Canada, Fisheries and Oceans.)  
 NAL Call No.: 442.9 C16J  
 (4 ref.)
- 0903** 1980  
**Observations on epidermal papillomata (neoplasms) in wild and cultured Atlantic salmon *Salmo salar* L. in Finland.**  
 Bylund, G.; Valtonen, E.T.; Niemela, E.  
 Journal of fish diseases; v. 3, (6), p. 525-528. ill. Nov 1980. (Oxford: Blackwell Scientific.)  
 NAL Call No.: SH171.A1J68  
 (6 ref.)
- 0904** 1980  
**Observations on the development of *Bunodera luciopercae* (Muller, 1776)(Trematoda: Allocreadiidae) under field and laboratory conditions (Infects a range of freshwater fish).**  
 Andrews, C.; Chubb, J.C.  
 Journal of fish diseases; v. 3, (6), p. 481-493. ill. Nov 1980. (Oxford: Blackwell Scientific.)  
 NAL Call No.: SH171.A1J68  
 (Bibliography p. 492-493.)
- 0905** 1980  
**PRELIMINARY EXPERIENCES IN THE CONTROL OF FISH DISEASES IN WARM WATER AQUACULTURE OPERATIONS IN VENEZUELA.**  
 BERMUDEZ, D.  
 JOURNAL OF FISH DISEASES 3 (4), 355-357.  
 Aquaculture Data Base No.: 8294
- 0906** 1980  
**SALT - USEFUL TOOL IN AQUACULTURE.**  
 AVAULT, J.W., JR.  
 AQUACULTURE MAGAZINE 6 (3), 40-41.  
 Aquaculture Data Base No.: 7741
- 0907** 1980  
**Studies on the culture, assay of infectivity and some in vitro properties of (bluegill) lymphocystis virus (disease of marine, brackish water and freshwater teleost fish).**  
 Walker, D.P.; Hill, B.J.  
 The Journal of general virology; v. 51, (2), p. 385-395. ill. Dec 1980. (Cambridge: Cambridge University Press.)  
 NAL Call No.: QR360.A1J6  
 (Bibliography p. 395.)
- 0908** 1980  
**Studies on the parasite fauna of juvenile Atlantic salmon, *Salmo salar* L., cultures in fresh water in eastern Scotland.**  
 Wootten, R.; Smith, J.W.  
 Zeitschrift fur Parasitenkunde. = Parasitology research; v. 63, (3), p. 221-231. ill. 1980. (Berlin: Springer International.)  
 NAL Call No.: 442.8 Z33F  
 (13 ref.)
- 0909** 1980  
**Vaccination and production of antibodies against vibriosis in fish. Vaksinasjon og produksjon av antistoff mot vibriose hos regnbueaure. NORWEGIAN.**  
 Refstie, T.; Hastein, T.  
 Aktuelt - Norway, Landbruksdepartementet, Opplysningstjeneste; (1), p. 363-367. 1980. (Oslo: Det Tjeneste.)  
 NAL Call No.: S11.N68
- 0910** 1980  
**VETERINARY MEDICINE IN AQUACULTURE GAINS IMPORTANCE AS INDUSTRY GROWS.**  
 RICKARD, C.G.; ABT, D.A.



DISEASES, PARASITES, PESTS

AQUACULTURE MAGAZINE 6 (4), 14-17.  
Aquaculture Data Base No.: 7863

1979

0911 1979  
ANTI-FOULING PAINT IN FARM PONDS.  
LOVEGROVE, T.  
FISH FARMING INTERNATIONAL 6 (2), 13-15, 39.  
Aquaculture Data Base No.: 6850

0912 1979  
BROWN BLOOD DISEASE IN POND-RAISED  
CATFISH.  
LOVELL, T.  
THE COMMERCIAL FISH FARMER AND  
AQUACULTURE NEWS 5 (3), 33.  
Aquaculture Data Base No.: 6537

0913 1979  
Diseases of fish cultured for food in Southeast Asia :  
report of a workshop held in Cisarua, Bogor, Indonesia,  
28 November - 1 December 1978.  
Davy, Brian.; Graham, Michael.  
Ottawa, Canada: International Development Research  
Centre; c1979. 32 p.: ill.; 25 cm.  
NAL Call No.: SH171.D52  
(IDRC / International Development Research Centre  
; 139e)  
(Bibliography: p. 30-32.)

0914 1979  
EFFECT OF HARVEST RATE, WASTE LOADING,  
AND STOCKING DENSITY ON THE YIELD OF  
DUCKWEEDS.  
SAID, M.Z.M.; CULLEY, D.D.; SANDIFER, L.C.;  
EPPS, E.A.; MEYERS, R.W.; BONEY, S.A.  
PROCEEDINGS OF THE 10TH ANNUAL  
MEETING, WMS, HONOLULU, HAWAII, JAN.  
22-26, 1979, 769-780.  
Aquaculture Data Base No.: 7984

0915 1979  
EPIBIONTS OF POND-REARED ADULT  
MALAYSIAN PRAWNS, MACROBRACHIUM  
ROSENBERGII (DE MAN), IN SOUTH CAROLINA.  
SMITH, T.I.J.; SANDIFER, P.A.; MANZI, J.J.  
AQUACULTURE 16 (4), 299-308.  
Aquaculture Data Base No.: 6693

0916 1979  
Experience in the control of bothriocephalosis  
(Diphyllobothrium, fish farms, USSR). RUSSIAN.  
IAshuk, V.D.  
Veterinariia; (9), p. 46-48. Sept 1979. (Moskva: "Kolos".)  
NAL Call No.: 41.8 V6426

0917 1979  
FISH BIOLOGICS: VACCINE STANDARDS FOR  
SPORT FISHERIES AND COMMERCIAL  
AQUACULTURE. DEVELOPMENTS IN  
BIOLOGICAL STANDARDIZATION.  
ANDERSON, D.P.; DIXON, O.W.; SIMON, R.C.  
IN PRESS, 21 PP.  
Aquaculture Data Base No.: 7554

0918 1979  
FISH HEALTH MANAGEMENT IN  
AQUACULTURE.

ROHOVEC, J.S.; FRYER, J.L.  
OREGON STATE UNIVERSITY SEA GRANT  
COLLEGE PROGRAM, ORESU-R-79-020,  
(REPRINTED FROM AQUACULTURE: A  
MODERN FISH TALE, SEMIN WR 026-79), 15-35.  
Aquaculture Data Base No.: 8204

0919 1979  
Medical management of farmed fish. Medikamentell  
behandling av oppdrettsfisk. NORWEGIAN.  
Bergsjø, Torill.; Bergsjø, Trond.  
Norsk veterinærtidsskrift; v. 91, (11), p. 651-654. 1979.  
(Oslo: Norske Veterinærforening.)  
NAL Call No.: 41.8 N81  
(17 ref.)

0920 1979  
Microbiological control in fish-pond cultures.  
Mikrobiologicheskii kontrol' v prudoovykh khoziaistvakh.  
RUSSIAN.  
Antipchuk, Adel' Fedorovna.  
Moskva: "Pishchevaia promyshlennost'"; 1979. 144, (1) p.:  
ill.  
NAL Call No.: QR105.A57  
(Bibliography: p. 135-(145).)

0921 1979  
Observations on wettability and cuticle permeability of  
some of the freshwater predatory beetles bugs and  
odonatan naiads for eradication from fish nurseries,  
using a non-ionic surfactant, Hyoxid 1011.  
Shirgur, G.A.  
The Journal of animal morphology and physiology; v.  
26, (1/2), p. 1-9. June/Dec 1979. (Baroda: Society of  
Animal Morphologists and Physiologists.)  
NAL Call No.: 444.8 J823  
(12 ref.)

0922 1979  
Parasitic infections of reared fish. RUSSIAN.  
Bauer, O.N.  
Parazitologiya; v. 13, (4), p. 377-384. July/Aug 1979.  
(Leningrad: "Nauka".)  
NAL Call No.: QL757.A1P32  
(50 ref.)

0923 1979  
PRINCIPLES OF WARMWATER AQUACULTURE.  
7. DISEASE AND PARASITISM.  
STICKNEY, R.R.  
PRINCIPLES OF WARMWATER AQUACULTURE.  
JOHN WILEY & SONS, 261-299.  
Aquaculture Data Base No.: 7411

0924 1979  
TOXICITY OF TEN CHEMICALS COMMONLY  
USED IN AQUACULTURE TO THE BLACK EEL  
STAGE OF THE AMERICAN EEL.  
HINTON, M.G.; EVERSOLE, A.G.  
PROCEEDINGS OF THE 10TH ANNUAL  
MEETING, WMS, HONOLULU, HAWAII, JAN.  
22-26, 1979, 554-560.  
Aquaculture Data Base No.: 7960

0925 1979  
Use of antibiotics and chemotherapy in fish farming.  
Bruk av antibiotika og kjemoterapeutika i fiskeoppdrett.  
NORWEGIAN.  
Bergsjø, T.

Norsk veterinærtidsskrift; v. 91, (11), p. 655-659. 1979.  
(Oslo: Norske Veterinærforening.)  
NAL Call No.: 41.8 N81  
(37 ref.)

1978

0926 1978  
AQUACULTURE: SOLUTION TO FISH DISEASES  
AND WASTE AND INCREASE OF SEAFOOD  
SUPPLY.  
SEO, J.D.  
PROCEEDINGS OF THE THIRD ANNUAL  
STUDENT SYMPOSIUM ON MARINE AFFAIRS,  
UNIHI-SEAGRANT-MR-78-03, 89-100.  
Aquaculture Data Base No.: 7346

0927 1978  
A diagnostic manual of eel diseases occurring under  
culture conditions in Japan.  
Rickards, William L.  
Raleigh: UNC Sea Grant, North Carolina State  
University; 1978. iii, 89 p.: col. ill.; 23 cm.  
NAL Call No.: SH179.E45J36  
Translation of selections from Gyobyō shindan  
shishin, v. 1, Koi unagi hamachi.  
(Sea grant publication ; UNC-SG-78-06)

0928 1978  
DISEASE KILLS - FISH AND THE  
AQUACULTURISTS' PROFITS.  
WOLKE, R.E.  
RHODE ISLAND RESOURCES 24 (2), 8-10.  
Aquaculture Data Base No.: 4921

0929 1978  
EFFECTS OF SIMAZINE TREATMENT ON  
CHANNEL CATFISH AND BLUEGILL  
PRODUCTION IN PONDS.  
TUCKER, C.S.; BOYD, C.E.  
AQUACULTURE 15 (4), 345-352.  
Aquaculture Data Base No.: 6323

0930 1978  
FISH DISEASES AS A HAZARD FOR FISH  
POPULATIONS AND AQUACULTURE AS A  
SOLUTION TO THE SHORTAGE OF PROTEIN IN  
THE WORLD (SUMMARY).  
TIEWS, K.  
MARINE POLICY 2 (2), 153-154.  
Aquaculture Data Base No.: 7162

0931 1978  
GETTING FOOD FROM WATER. 9. POND  
MAINTENANCE: CONTROLLING THE WEEDS.  
LOGSDON, G.  
RODALE PRESS, INC., 169-185.  
Aquaculture Data Base No.: 6626

0932 1978  
A HERPESVIRUS DISEASE OF GREEN SEA  
TURTLES IN AQUACULTURE.  
HAINES, H.  
MARINE FISHERIES REVIEW 40 (3), 33-37. MFR  
PAPER 1294.  
Aquaculture Data Base No.: 6111

0933 1978  
INCIDENCE OF DISEASE IN WARMWATER FISH  
FARMS IN THE SOUTH-CENTRAL UNITED  
STATES.

MEYER, F.P.  
MARINE FISHERIES REVIEW 40 (3), 38-41. MFR  
PAPER 1295.  
Aquaculture Data Base No.: 6110

0934 1978  
Microbial flora of pond-reared shrimp (*Penaeus  
stylirostris*, *Penaeus vannamei*, and *Penaeus setiferus*)  
[Shellfish, contamination].  
Christopher, F M; Vanderzant, C; Parker, J D; Conte, F  
S.  
*J Food Prot.* 41 (1): 20-23. Ref. Jan 1978. .)  
NAL Call No.: 44.8 J824

0935 1978  
PREVENTION OF DISEASE IS VITAL TO  
ANYONE ENGAGED IN FISH FARMING.  
WELLBORN, T.L., JR.  
THE COMMERCIAL FISH FARMER AND  
AQUACULTURE NEWS 4 (5), 22-23.  
Aquaculture Data Base No.: 4724

0936 1978  
RECRUITMENT CONTROL AND PRODUCTION  
OF TILAPIA AUREA (STEINDACHNER) WITH  
THE PREDATOR, CICHLASOMA MANAGUENSE  
(GUNTHER).  
DUNSETH, D.R.; BAYNE, D.R.  
AQUACULTURE 14 (4), 383-390.  
Aquaculture Data Base No.: 6002

0937 1978  
A REVIEW OF IMMUNOLOGY FOR FISH AND  
SHELLFISH AND IMPLICATIONS FOR  
AQUACULTURE.  
CORAZZA, L.  
RIVISTA ITALIANA DI PISCICOLTURA E  
ITTIOPATOLOGIA 13 (2), 41-45.  
Aquaculture Data Base No.: 7281

0938 1978  
Studies on rainbow trouts (*S. gairdneri*) from pond  
fisheries of the Weser-Ems region for determining  
inapparent infectious pancreas necrosis (IPN) virus and  
viral hemorrhagic septicemia (VHS) infection under  
emphasis of the existing farming structure.  
Untersuchungen von Regenbogenforellen (*S. gairdneri*)  
aus Teichwirtschaften des Weser-Ems-Gebietes zur  
Ermittlung inapparenter Infektionen mit dem Virus der  
Infektiösen Pankreasnekrose (IPN) und der Viralen H  
ämorrhagischen Septikämie (VHS) unter gleichzeitiger  
Berücksichtigung der jeweiligen Betriebsstruktur.  
GERMAN.  
Reepmeyer, Marlies.  
Hannover: (s.n.); 1978. 35 p.: map.  
NAL Call No.: 41.2 H198 (1978 no.67)  
English summary.  
(Hanover (City). Tierärztliche Hochschule.  
(Inaugural-Dissertation ; (1978, no. 67))  
(Bibliography: p. 30-33.)

1977

0939 1977  
CONTROL OF WHIRLING DISEASE (MYXOSOMA  
CEREBRALIS): EFFECTS OF DRYING, AND  
DISINFECTION WITH HYDRATED LIME OR  
CHLORINE.  
HOFFMAN, G.L.



DISEASES, PARASITES, PESTS

JOURNAL OF FISH BIOLOGY 10 (2), 175-179.  
Aquaculture Data Base No.: 3938

0940 1977  
DISEASE DIAGNOSIS AND CONTROL IN NORTH AMERICAN AQUACULTURE. 8. DIETARY DEFICIENCY DISEASES.  
SINDERMAN, C.J.  
ELSEVIER SCIENTIFIC PUBLISHING COMPANY. DEVELOPMENTS IN AQUACULTURE AND FISHERIES SCIENCE 6, 300-301.  
Aquaculture Data Base No.: 8235

0941 1977  
DISEASE DIAGNOSIS AND CONTROL IN NORTH AMERICAN AQUACULTURE. 9. CHEMOTHERAPY.  
SINDERMAN, J.  
ELSEVIER SCIENTIFIC PUBLISHING COMPANY. DEVELOPMENTS IN AQUACULTURE AND FISHERIES SCIENCE 6, 302-305.  
Aquaculture Data Base No.: 8236

0942 1977  
DISEASE DIAGNOSIS AND CONTROL IN NORTH AMERICAN MARINE AQUACULTURE. APPENDICES I, II, III.  
SINDERMAN, J.  
ELSEVIER SCIENTIFIC PUBLISHING COMPANY. DEVELOPMENTS IN AQUACULTURE AND FISHERIES SCIENCE 6, 311-329.  
Aquaculture Data Base No.: 8239

0943 1977  
DISEASE DIAGNOSIS AND CONTROL IN NORTH AMERICAN MARINE AQUACULTURE. 10. VACCINES AND DISEASE RESISTANCE.  
SINDERMAN, J.  
ELSEVIER SCIENTIFIC PUBLISHING COMPANY. DEVELOPMENTS IN AQUACULTURE AND FISHERIES SCIENCE 6, 306-308.  
Aquaculture Data Base No.: 8237

0944 1977  
DISEASE DIAGNOSIS AND CONTROL IN NORTH AMERICAN MARINE AQUACULTURE. 11. DISEASE PROBLEMS CREATED BY INTRODUCED SPECIES.  
SINDERMAN, J.  
ELSEVIER SCIENTIFIC PUBLISHING COMPANY. DEVELOPMENTS IN AQUACULTURE AND FISHERIES SCIENCE 6, 309-310.  
Aquaculture Data Base No.: 8238

0945 1977  
DISEASE DIAGNOSIS AND CONTROL IN NORTH AMERICAN MARINE AQUACULTURE. 3. CRUSTACEAN DISEASES.  
SINDERMAN, J.  
ELSEVIER SCIENTIFIC PUBLISHING COMPANY. DEVELOPMENTS IN AQUACULTURE AND FISHERIES SCIENCE 6, 10-183.  
Aquaculture Data Base No.: 8230

0946 1977  
DISEASE DIAGNOSIS AND CONTROL IN NORTH AMERICAN MARINE AQUACULTURE. 4. MOLLUSCAN DISEASES.  
SINDERMAN, J.

ELSEVIER SCIENTIFIC PUBLISHING COMPANY. DEVELOPMENTS IN AQUACULTURE AND FISHERIES SCIENCE 6, 184-225.  
Aquaculture Data Base No.: 8231

0947 1977  
DISEASE DIAGNOSIS AND CONTROL IN NORTH AMERICAN MARINE AQUACULTURE. 5. FISH DISEASES.  
SINDERMAN, J.  
ELSEVIER SCIENTIFIC PUBLISHING COMPANY. DEVELOPMENTS IN AQUACULTURE AND FISHERIES SCIENCE 6, 226-287.  
Aquaculture Data Base No.: 8232

0948 1977  
DISEASE DIAGNOSIS AND CONTROL IN NORTH AMERICAN MARINE AQUACULTURE. 6. MARINE TURTLE DISEASES.  
SINDERMAN, J.  
ELSEVIER SCIENTIFIC PUBLISHING COMPANY. DEVELOPMENTS IN AQUACULTURE AND FISHERIES SCIENCE 6, 288-295.  
Aquaculture Data Base No.: 8233

0949 1977  
DISEASE DIAGNOSIS AND CONTROL IN NORTH AMERICAN MARINE AQUACULTURE. 7. EFFECTS OF ENVIRONMENTAL CONTAMINANTS.  
SINDERMAN, J.  
ELSEVIER SCIENTIFIC PUBLISHING COMPANY. DEVELOPMENTS IN AQUACULTURE AND FISHERIES SCIENCE 6, 296-299.  
Aquaculture Data Base No.: 8234

0950 1977  
DISEASES OF SHRIMPS SIMILAR TO THOSE OF AQUATIC INSECTS.  
JOHNSON, S.K.  
THE COMMERCIAL FISH FARMER AND AQUACULTURE NEWS 3 (2), 3P.  
Aquaculture Data Base No.: 3253

0951 1977  
AN ECONOMETRIC MODEL OF PRAWN POND PRODUCTION.  
MORITA, S.K.  
PROCEEDINGS OF THE EIGHTH ANNUAL WORKSHOP WORLD MARICULTURE SOCIETY, SAN JOSE, COSTA RICA. 12P.  
Aquaculture Data Base No.: 3309

0952 1977  
THE FIRST RECORD OF DACTYLOGYRUS MINUTUS KULWIEC, 1927 (MONOGENEA: DACTYLOGYRIDAE) FROM THE REARED CARP (CYPRINUS CARPIO) IN JAPAN.  
OGAWA, K.; EGUSA, S.  
BULLETIN OF THE JAPANESE SOCIETY OF SCIENTIFIC FISHERIES 43 (9), 1029-1034.  
Aquaculture Data Base No.: 4106

0953 1977  
OBSERVATIONS ON DISEASES AFFECTING CULTURED SHRIMP IN JEPARA, INDONESIA.  
NURDJANA, M.L.; MARTOSUDARMO, B.; TIENSONGRUSMEE, B.

BULLETIN OF THE BRACKISHWATER  
AQUACULTURE DEVELOPMENT CENTRE 3 (1-2),  
204-212.

Aquaculture Data Base No.: 7498

0954 1977  
OZONE AS A DISINFECTANT IN MARICULTURE.  
BLOGOSLAWSKI, W.J.  
THIRD MEETING OF THE I.C.E.S. WORKING  
GROUP ON MARICULTURE, BREST, FRANCE,  
MAY 10-13, 1977, ACTES DE COLLOQUES DU  
CNEXO 4, 371-381. (REPRINT).  
Aquaculture Data Base No.: 7261

0955 1977  
Pathogens of marine plant aquaculture systems.  
Goff, L J.  
*Sea Grant Publ Univ Calif Sea Grant Coll Program.*  
61: 149. 1977. .)  
NAL Call No.: GC1000.U5

0956 1977  
PRESENT STATUS OF AEROMONAS  
INFECTIONS.  
MCCARTHY, D.H.  
PROCEEDINGS FROM THE INTERNATIONAL  
SYMPOSIUM ON DISEASES OF CULTURED  
SALMONIDS. SEATTLE, WASHINGTON, APRIL  
4-6, 1977. 182-189. SPONSORED BY TAVOLEK, INC.  
Aquaculture Data Base No.: 3921

0957 1977  
PRIMARY AND SECONDARY EFFECTS OF  
STRESS IN FISH, SOME NEW DATA WITH A  
GENERAL REVIEW.  
MAZEAUD, M.M.; MAZEAUD, F.; DONALDSON,  
E.M.  
TRANSACTIONS OF THE AMERICAN FISHERIES  
SOCIETY 106 (3), 201-212.  
Aquaculture Data Base No.: 4061

0958 1977  
A review of the parasite fauna of the fishes of the River  
Dee system ; A report for the Central Water Planning  
Unit.  
Chubb, James C.  
Reading : Central Water Planning Unit,. 1977. x, 107 p.  
; 30 cm.  
NAL Call No.: QL757.C58  
(Bibliography: p. 88-107.)

0959 1977  
Studies on the control of freshwater pond snails,  
*Lymnaea luteola* (Lamarck) and *Indoplanorbis exustus*  
(Deshayes) in cement cisterns used for raising  
ornamental fishes and plants.  
Devaraj, K V; Manissery, J K; Subramanya, M N.  
*Mysore J Agric Sci.* 11 (4): 582-587. 1977. .)  
NAL Call No.: S19.M9

0960 1977  
A STUDY OF VIBRIO ANGUILLARUM FROM  
FARMED AND WILD FISH USING PRINCIPAL  
COMPONENTS ANALYSIS.  
HASTEIN, T.; SMITH, J.E.

JOURNAL OF FISH BIOLOGY 11 (2), 69-75.  
Aquaculture Data Base No.: 3911

0961 1977  
THE VETERINARIAN'S ROLE IN FISH CULTURE  
AND FISH PATHOLOGY.  
GHITTINO, P.  
REVISTA ITALIANA DI PISCICOLTURA E  
ITTIOLOGIA 12 (1), 23-25, 21-22. (IN  
ENGLISH AND IN ITALIAN).  
Aquaculture Data Base No.: 7502

0962 1977  
VIRUS REMOVAL IN MARINE AQUACULTURE  
SYSTEMS.  
BITTON, G.; MONTEITH, C.; PANCORBO, O.;  
GIFFORD, G.E.  
REVUE INTERNATIONALE D'OCEANOGRAPHIE  
MEDICALE 48, 47-52.  
Aquaculture Data Base No.: 7489

0963 1977  
With fish pathologists in Latvia [Sanitation and disease  
control, collective and state farms]. RUS.  
Parshuta, V V.  
*Veterinariia (Mosk).* 4: 29-31. Apr 1977. .)  
NAL Call No.: 41.8 V6426

1976

0964 1976  
Bacterial diseases of farmed fishes.  
Roberts, R J.  
*Symp Ser Soc Appl Bacteriol.* 4: 55-62. Ref. 1976. .)  
NAL Call No.: QR1.S64

0965 1976  
Biological control of fish hatching in pond cultures.  
Rybovodno-biologicheskii kontrol' v prudoxykh  
khoziaistvakh. RUS.  
Galasun, Petr Tarasovich.  
Moskva : "Pishchevaia promyshlennost'",. 1976. 126, [1] p. :  
ill.  
NAL Call No.: SH91.R8  
(Bibliography: p. 125-[127])

0966 1976  
DISEASES OF FRESHWATER FISHES CAUSED  
BY BACTERIA OF THE GENERA AEROMONAS,  
PSEUDOMONAS, AND VIBRIO.  
SNIESZKO, S.F.; BULLOCK, G.L.  
UNITED STATES FISH AND WILDLIFE SERVICE,  
FISH DISEASE LEAFLET 40, 10P.  
Aquaculture Data Base No.: 4002

0967 1976  
THE EFFECTS OF DISEASE TREATMENT ON  
NITRIFICATION IN CLOSED SYSTEM  
AQUACULTURE.  
LEVINE, G.; MEADE, T.L.  
PROCEEDINGS OF THE SEVENTH ANNUAL  
WORKSHOP WORLD MARICULTURE SOCIETY.  
SAN DIEGO, CALIFORNIA. 13P. (IN PRESS).  
Aquaculture Data Base No.: 2407

0968 1976  
FISH DISEASES AND THEIR CONTROL IN  
AQUACULTURE.  
SARIG, S.



DISEASES, PARASITES, PESTS

FAO TECHNICAL CONFERENCE ON  
AQUACULTURE. FIR/AQ/CONF/76/R.32. 13P.  
Aquaculture Data Base No.: 2853

0969 1976  
Freshwater aquaculture research and training in India.  
Barrackpore: The Institute; (1976?). 12 p.: ill., map; 25  
cm.  
NAL Call No.: SH107.C38

0970 1976  
LEACHING OF PLASTICS USED IN CLOSED  
AQUACULTURE SYSTEMS.  
CARMIGNANI, G.M.; BENNETT, J.P.  
AQUACULTURE 7 (1), 89-91.  
Aquaculture Data Base No.: 2644

0971 1976  
NITROFURAZONE FOR CONTROL OF THE  
MICROSPORIDIAN PARASITE PLEISTOPHORA  
OVARIAE IN GOLDEN SHINERS.  
NAGEL, M.L.; SUMMERFELT, R.C.  
THE PROGRESSIVE FISH CULTURIST 39 (1), 18-23.  
Aquaculture Data Base No.: 3294

0972 1976  
An outbreak of lipoid liver degeneration (LLD) in  
Atlantic salmon [*Salmo salar*] in a fish farm and attempts  
to cure the disease. Et terapiforsok ved et utbrudd av  
lipoid leverdegenerasjon (LLD) hos laks i oppdrett.  
NOR.  
Roald, S O.  
*Nord Veterinaarmed.* 28 (4/5): 243-249. Plate. Ref.  
Eng. sum. Apr/May 1976. .)  
NAL Call No.: 41.8 N813

0973 1976  
RISKS, MORTALITY AND INSURANCE ON  
EUROPEAN TROUT FARMS.  
MACFARLANE, I.S.; VARLEY, R.L.  
FAO TECHNICAL CONFERENCE ON  
AQUACULTURE. FIR/AQ/CONF/76/E.8. 8P.  
Aquaculture Data Base No.: 2690

0974 1976  
SELECTION OF COMMON CARP (*CYPRINUS  
CARPIO*) FOR RESISTANCE TO DROPSY.  
KIRPICHNIKOV, V.S.; FACTOROVICH, K.A.;  
ILYASOV, Y.I.; SHART, L.A.  
FAO TECHNICAL CONFERENCE ON  
AQUACULTURE. FIR/AQ/CONF/76/E.63. 10P.  
Aquaculture Data Base No.: 2800

0975 1976  
A SOCIO-ECONOMIC STUDY OF FISH PEN  
AQUACULTURE IN THE PHILIPPINES.  
MORTALITY RATE.  
NICOLAS, E.S.; LIBRERO, A.R.; CALLO, R.A.;  
PAMULAKLAKIN, E.R.  
SEAFDEC-PCARR RESEARCH PROGRAM.  
RESEARCH PAPER SERIES NO. 5. 59, A1-A15.  
Aquaculture Data Base No.: 3562

0976 1976  
Studies on two infectious diseases of cultured freshwater  
fish ; Rhabdovirus disease of pike fry, *Esox lucius* L.,  
Columnaris disease of carp, *Cyprinus carpio* L.  
Bootsma, R Emmelt.

Amsterdam : Rijksuniversiteit te Utrecht,. [1976?]. [90] p.  
in various pagings : ill.  
NAL Call No.: SH179.P5B6  
(Thesis--Rijksuniversiteit te Utrecht. Includes  
bibliographical references.)

0977 1976  
WHIRLING DISEASE OF TROUT.  
HOFFMAN, G.L.  
UNITED STATES FISH AND WILDLIFE SERVICE,  
FISH DISEASE LEAFLET 47, 10P.  
Aquaculture Data Base No.: 4000

1975  
0978 1975  
The challenge of aquaculture for veterinarians.  
Miller, W R.  
*J Am Vet Med Assoc.* 166 (8): 790-791. Apr 15, 1975. .)  
NAL Call No.: 41.8 AM3

0979 1975  
Clostridium botulinum in Scottish fish farms and farmed  
trout.  
Burns, G F; Williams, H.  
*J Hyg.* 74 (1): 1-6. Ref. Feb 1975. .)  
NAL Call No.: 449.8 J82

0980 1975  
DETECTION AND TRANSMISSION OF  
INFECTIOUS HEMATOPOIETIC NECROSIS  
VIRUS IN RAINBOW TROUT.  
AMEND, D.F.  
JOURNAL OF WILDLIFE DISEASE 11 (3), 471-478.  
Aquaculture Data Base No.: 3241

0981 1975  
FIELD APPLICATION OF SEVERAL  
MANAGEMENT CHEMICALS IN SHRIMP  
REARING PONDS.  
JOHNSON, S.K.; HOLCOMB, H.W., JR.  
TEXAS A AND M UNIVERSITY. FISH DISEASE  
DIAGNOSTIC LABORATORY FDDL-S5. 3P.  
Aquaculture Data Base No.: 1794

0982 1975  
The incidence of Clostridium botulinum in farmed trout  
raised in Great Britain [Food contamination].  
Cann, D C; Taylor, L Y; Hobbs, G.  
*J Appl Bacteriol.* 39 (3): 331-336. Ref. Dec 1975. .)  
NAL Call No.: 448.39 SO12

0983 1975  
KARMEX HERBICIDE WITH FERTILIZATION  
AND AERATION TO CONTROL FILAMENTOUS  
ALGAE IN HATCHERY PONDS.  
KIRBY, G.E.; SHELL, E.W.  
PROCEEDINGS OF THE TWENTY-NINTH  
ANNUAL CONFERENCE OF THE  
SOUTHEASTERN ASSOCIATION OF GAME AND  
FISH COMMISSIONERS, 1975. 279-281.  
Aquaculture Data Base No.: 4087

0984. 1975  
Outbreak of gill disease of carps (*Cyprinus carpio*) in  
pond farms of the Stavropol Territory (Fungus pathogen  
*Candida albicans*). RUSSIAN.  
Bakhtiarova, Z.G.; Trits, G.N.; Liamkin, D.N.

Nauchnye trudy - Stavropol'skii sel'skokhoziaistvennyi institut; v. 6, (38), p. 54-56. 1975. (Stavropol': Institut.)  
NAL Call No.: 106 ST27  
(2 ref.)

0985 1975  
Preventive medicine in fish diseases and environmental aspects of trout farming.  
Christensen, N O.  
*In Proceedings of the World Veterinary Congress.*  
20th (v. 3): 2473-2477. 1975. .)  
NAL Call No.: SF605.W6 1975

0986 1975  
Retention of *Salmonella typhimurium* by certain species of fish and shrimp [Feed contamination, fishery products].  
Lewis, D H.  
*J Am Vet Med Assoc.* 167 (1): 551-552. Ref. Oct 1, 1975. .)  
NAL Call No.: 41.8 AM3

0987 1975  
Veterinary aspects of salmonid fish farming: husbandry.  
Shepherd, C J.  
*Vet Rec.* 97 (1): 46. July 5, 1975. .)  
NAL Call No.: 41.8 V641

0988 1975  
Veterinary aspects of salmonid fish farming: husbandry diseases.  
Shepherd, C J; Poupard, C W.  
*Vet Rec.* 97 (3): 45-47. July 19, 1975. .)  
NAL Call No.: 41.8 V641

1974

0989 1974  
ACANTHOCEPHALAN OCCURRENCE IN CULTURED RED CRAWFISH.  
LANTZ, K.E.  
PROCEEDINGS SOUTHEASTERN ASSOCIATION OF GAME AND FISH COMMISSIONERS 27, 735-738.  
Aquaculture Data Base No.: 1432

0990 1974  
AQUATIC APPLICATIONS OF OZONE.  
BLOGOSLAWSKI, W.J.; BROWNING, M.E.  
INTERNATIONAL OZONE INSTITUTE.  
ABSTRACTS - AQUATIC APPLICATIONS OF OZONE WORKSHOP, BOSTON, MASSACHUSETTS. 21P.  
Aquaculture Data Base No.: 2579

0991 1974  
Botulism in farmed trout caused by *Clostridium botulinum* type E; a preliminary report.  
Huss, H H; Eskildsen, U.  
*Nord Veterinaermed.* 26 (12): 733-738. Dec 1974. .)  
NAL Call No.: 41.8 N813

0992 1974  
Coliform and phytoplankton studies in a brackish water aquaculture pond fertilized with domestic wastewater.  
Donnelly, R F; Inouye, T T.

*Environ Prot Technol Ser EPA U S Environ Prot Agency.* 660/2-74-041: 404-411. June 1974. .)  
NAL Call No.: TD172.E57

0993 1974  
A DISEASE AFFECTING THE SHELL AND SOFT TISSUES OF LOUISIANA CRAYFISH, *PROCAMBARUS CLARKII*.  
AMBROSKI, R.L.; LOPICCOLO, G.; AMBORSKI, G.F.; HUNER, J.  
PROCEEDINGS OF THE SECOND INTERNATIONAL CRAYFISH SYMPOSIUM. BATON ROUGE, LOUISIANA, 1974. 299-316.  
Aquaculture Data Base No.: 4078

0994 1974  
ECTOCOMMENSALS AND PARASITES OF SHRIMP FROM TEXAS REARING PONDS.  
JOHNSON, S.K.  
TEXAS A AND M UNIVERSITY. CENTER FOR MARINE RESOURCES. COLLEGE STATION, TEXAS. TAMU-SG-74-207. 20P.  
Aquaculture Data Base No.: 430

0995 1974  
ECTOCOMMENSALS AND PARASITES OF SHRIMP FROM TEXAS REARING PONDS.  
JOHNSON, S.K.  
PROCEEDINGS OF THE FIFTH ANNUAL WORKSHOP WORLD MARICULTURE SOCIETY, CHARLESTON, SOUTH CAROLINA. 251-266.  
Aquaculture Data Base No.: 2737

0996 1974  
FISH AND SHELLFISH PATHOLOGY.  
RYTHER, J.H.  
SMITHSONIAN SCIENCE INFORMATION EXCHANGE, INC., WASHINGTON, D.C.  
Aquaculture Data Base No.: 2380

0997 1974  
The incidence of *Clostridium botulinum* in Danish trout farms. I. Distribution in fish and their environment [Food poisoning].  
Huss, H H; Pedersen, A; Cann, D C.  
*J Food Technol.* 9 (4): 445-450. Ref. Dec 1974. .)  
NAL Call No.: TP368.J6

0998 1974  
The incidence of *Clostridium botulinum* in Danish trout farms. II. Measures to reduce contamination of the fish [Food poisoning].  
Huss, H H; Pedersen, A; Cann, D C.  
*J Food Technol.* 9 (4): 451-458. Ref. Dec 1974. .)  
NAL Call No.: TP368.J6

0999 1974  
Modern trends in animal health and husbandry: fish farming in the United Kingdom--a veterinary perspective.  
Shepherd, C J.  
*Br Vet J.* 130 (6): 513-516. Nov/Dec 1974. .)  
NAL Call No.: 41.8 V643

1000 1974  
PROPHYLACTIC MEASURES AGAINST BACTERIAL DISEASES OF SALMONID FRY.  
DEUFEL, J.



DISEASES, PARASITES, PESTS

OSTERREICHS FISCHEREI 27 (1), 1-5.  
Aquaculture Data Base No.: 3944

1001 1974  
RESTORATION OF SOCK FILTERS USED TO PREVENT ENTRY OF WILDFISH INTO PONDS.  
MCCRAREN, J.P.; JONES, R.M.  
THE PROGRESSIVE FISH-CULTURIST 36 (4), 222.  
Aquaculture Data Base No.: 1690

1002 1974  
STRESS AS A PREDISPOSING FACTOR IN FISH DISEASES.  
WEDEMEYER, G.A.; WOOD, J.W.  
UNITED STATES FISH AND WILDLIFE SERVICE,  
FISH DISEASE LEAFLET 38, 8P.H DISEASE  
LEAFLET 38, 8P.  
Aquaculture Data Base No.: 4004

1003 1974  
A SUMMARY REPORT OF PACIFIC COAST OYSTER MORTALITY INVESTIGATIONS 1965-1972.  
GLUDE, J.B.  
U.S.-JAPAN MEETING ON AQUACULTURE,  
TOKYO, JAPAN, 1-28.  
Aquaculture Data Base No.: 2597

1973

1004 1973  
A contribution to the biology of Corixidae (Heteroptera), pests of fish culture in the Rostov District. RUS.  
Sokol'skaia, N P; Zhiteneva, L D.  
Zool Zh. 52 (9): 1330-1334. Ref. Eng. sum. Sept 1973. )  
NAL Call No.: 410 R92

1005 1973  
EXPERIMENTS ON THE CONTROL OF ANCHOR WORM (LERNAEA CYPRINACEA).  
AL-HAMED, M.I.; HERMIZ, L.  
AQUACULTURE 2 (1), 45-51.  
Aquaculture Data Base No.: 596

1006 1973  
Formalin as a therapeutant in fish culture.  
Schnick, Rosalie A.  
La Crosse, Wis., Fish Control Laboratory. 1973. 131 p.  
illus.  
NAL Call No.: 157.8 R29 No.237198  
(U.S. National Technical Information Service. PB 237198)  
(Bibliography: p. 99-126.)

1007 1973  
PARASITES OF SOME PENAEID SHRIMPS WITH EMPHASIS ON REARED HOSTS.  
OVERSTREET, R.M.  
AQUACULTURE 2 (2), 105-140.  
Aquaculture Data Base No.: 599

1008 1973  
PROTECTIVE MEASURES FOR LOBSTER AQUACULTURE.  
MATHEWSON, J.H.; SCHAPIRO, H.

UNIVERSITY OF CALIFORNIA. SEA GRANT COLLEGE PROGRAM ANNUAL REPORT 1972-1973. SG PUB. NO. 37, 38.  
Aquaculture Data Base No.: 1499

1009 1973  
SYLLABUS OF FISH HEALTH MANAGEMENT I FISH CULTURE METHODS II FISH DISEASE DIAGNOSIS.  
KLONTZ, G.W.  
TEXAS A AND M UNIVERSITY. CENTER FOR MARINE RESOURCES. COLLEGE STATION, TEXAS. TAMU-SG-74-401. 165P.  
Aquaculture Data Base No.: 434

1010 1973  
VITAMIN C... AND CROOKED BACK DISEASE.  
LOVELL, R.T.  
THE CATFISH FARMER 5 (3), 31-32.  
Aquaculture Data Base No.: 4067

1972

1011 1972  
Aquaculture and associated diseases of fish of public health importance.  
Ghittino, P.  
Amer Vet Med Assoc J. 161 (11): 1476-1485. Ref. Dec 1, 1972. )  
NAL Call No.: 41.8 AM3

1012 1972  
EFFECT OF FISH REMOVAL ON THE GROWTH AND CONDITION OF WHITE SHRIMP, PENAEUS SETIFERUS (LINNAEUS), IN BRACKISH PONDS.  
PARKER, J.C.; HOLCOMB, H.W., JR.; KLUSSMAN, W.G.; MCNEILL, J.C. IV  
PROCEEDINGS OF THE WORLD MARICULTURE SOCIETY PREPRINT. 12P.  
Aquaculture Data Base No.: 397

1013 1972  
VIRAL HEMORRHAGIC SEPTICEMIA (VHS).  
WOLF, K.  
UNITED STATES BUREAU OF SPORT FISHERIES AND WILDLIFE, FISH DISEASE LEAFLET 6, 8P.  
Aquaculture Data Base No.: 4016

1971

1014 1971  
COMPARISON OF THE PARASITES OF POND REARED AND WILD PINK SHRIMP (PENAEUS DUORARUM BURKENROAD) IN SOUTH FLORIDA.  
VILLELLA, J.B.; IVERSEN, E.S.; SINDERMAN, C.J.  
TRANSACTIONS OF THE AMERICAN FISHERIES SOCIETY 99 (4), 789-794.  
Aquaculture Data Base No.: 191

1015 1971  
MASS DEVELOPMENT OF PRYMNESIUM PARVAM CART. IN FISH-BREEDING PONDS.  
KRASNOSHCHKEK, G.P.; ABRAMOVICH, L.S.

HYDROBIOLOGICAL JOURNAL 7 (3), 54-55.  
Aquaculture Data Base No.: 1669

1950

1016 1971  
SANITARY AND BIOLOGICAL REASONS FOR  
THE USE OF LIME TO FERTILIZE FISH  
BREEDING PONDS.  
SHPET, G.L.; KHARITONOVA, N.N.; PANCHENKO,  
S.M.  
HYDROBIOLOGICAL JOURNAL 7 (2), 38-43.  
Aquaculture Data Base No.: 1667

1022 1950  
Control of *Lernaea carassii* Tidd, a parasitic copepod  
infesting gold fish in hatchery ponds, with related  
observations on crayfish and the "fish louse" *Argulus* sp.  
Guidice, John J.  
[Columbia]. 1950. 54 p. illus.  
NAL Call No.: FILM 851  
(Thesis (m. A.) - University of Missouri. Bibliography:  
p. 52-53.)

1970

1017 1970  
DISINFECTION PROCEDURES FOR THE  
CONTROL OF BLOOD DISEASE (GAFFKEMIA) IN  
LOBSTER STORAGE FACILITIES.  
CORNICK, J.W.; STEWART, J.E.  
FISHERIES RESEARCH BOARD OF CANADA  
NEW SERIES CIRCULAR NO. 42. 3P.  
Aquaculture Data Base No.: 2069

1018 1970  
EFFECTS OF MALATHION ON TWO  
WARMWATER FISHES AND AQUATIC  
INVERTEBRATES IN PONDS.  
KENNEDY, H.D.; WALSH, D.F.  
TECHNICAL PAPERS OF THE BUREAU OF  
SPORT FISHERIES AND WILDLIFE. NO. 55. 13P.  
Aquaculture Data Base No.: 1778

1019 1970  
PESTS AND PREDATORS IN COASTAL  
AQUACULTURE SYSTEMS OF THE  
INDO-PACIFIC REGION.  
PILLAI, T.G.  
COASTAL AQUACULTURE IN THE  
INDO-PACIFIC REGION. P. 456-470. FISHING  
NEWS (BOOKS) LTD., LONDON.  
Aquaculture Data Base No.: 794

1020 1970  
STUDIES ON CHIRONOMID CONTROL IN  
MILKFISH PONDS. PART 1. ECOLOGICAL  
ASPECTS OF THE DEVELOPMENT AND  
DISPERSION OF CHIRONOMID MIDGES IN  
TAIWAN MILKFISH PONDS.  
 TSAI, S.  
REPORTS OF FISH CULTURE.  
CHINESE-AMERICAN JOINT COMMISSION ON  
RURAL RECONSTRUCTION. FISHERIES SERVICE  
NO. 9. 20P.  
Aquaculture Data Base No.: 2483

1969

1021 1969  
Weed control is a must in fish culture.  
Ramachandran, V.  
*Indian Farming*. 19 (9): 75-77, 81. Dec 1969. )  
NAL Call No.: 22 IN283



## 5: ECOLOGY AND ENVIRONMENT

- 1982
- 1023** **1982**  
**Acute toxicity of mixtures of range management herbicides to cutthroat trout (*Salmo clarki*).**  
 Woodward, D.F.  
 Journal of range management; v. 35, (4), p. 539-540. July 1982. (Denver, Colo.: Society for Range Management.)  
 NAL Call No.: 60.18 J82  
 (1 p. ref.)
- 1024** **1982**  
**Aeration of water supplies for fish culture in flowing water.**  
 Soderberg, R.W.  
 The Progressive fish culturist - United States, Fish and Wildlife Service; v. 44, (2), p. 89-93. ill. Apr 1982. (Washington, D.C.: The Service.)  
 NAL Call No.: 157.5 P94  
 (3 ref.)
- 1025** **1982**  
**Aquacultural approaches to recycling of dissolved nutrients in secondarily treated domestic wastewaters. I. Nutrient uptake and release by artificial food chains (Includes algae, fish).**  
 Kawasaki, L.Y.; Tarifeno-Silva, E.; Yu, D.P.; Gordon, M.S.; Chapman, D.J.  
 Water research; v. 16, (1), p. 37-49. ill. 1982. (Oxford: Pergamon Press.)  
 NAL Call No.: TD420.W3  
 (55 ref.)
- 1026** **1982**  
**Decrease in stream gravel permeability after clear-cut logging: an indication of intragravel conditions for developing salmonid eggs and alevins.**  
 Moring, J.R.  
 Hydrobiologia; v. 88, (3), p. 295-298. Apr 9, 1982. (The Hague: W. Junk.)  
 NAL Call No.: 410 H992  
 (Includes ref.)
- 1027** **1982**  
**Decreased seawater adaptability of chum salmon (*Oncorhynchus keta*) fry following prolonged rearing in freshwater (Plasma sodium concentration).**  
 Iwata, M.; Hasegawa, S.; Hirano, T.  
 Canadian journal of fisheries and aquatic sciences = Journal canadien des sciences halieutiques et aquatiques; v. 39, (3), p. 509-514. Mar 1982. (Ottawa: Govt. of Canada, Fisheries and Oceans.)  
 NAL Call No.: 442.9 C16J  
 (Includes 2 p. ref.)
- 1028** **1982**  
**DISSOLVED OXYGEN: MG/L VS. PO<sub>2</sub> AS A MORE MEANINGFUL INDICATOR OF LIFE SUPPORT FOR FISH IN AQUACULTURE SYSTEMS.**  
 DOWNEY, P.C.; KLONTZ, G.W.
- PROCEEDINGS OF THE NORTH PACIFIC AQUACULTURE SYMPOSIUM, ANCHORAGE, ALASKA, AUGUST 18-21, 1980, NEWPORT, OREGON, AUGUST 25-27, 1980, ALASKA SEA GRANT REPORT 82-2, 199-201.  
 Aquaculture Data Base No.: 9727
- 1029** **1982**  
**EFFECTS OF ENVIRONMENTAL STRESSORS IN AQUACULTURAL SYSTEMS ON QUALITY, SMOLTIFICATION AND EARLY MARINE SURVIVAL OF ANADROMOUS FISH.**  
 WEDEMEYER, G.A.  
 PROCEEDINGS OF THE NORTH PACIFIC AQUACULTURE SYMPOSIUM, ANCHORAGE, ALASKA, AUGUST 18-21, 1980, NEWPORT, OREGON, AUGUST 25-27, 1980, ALASKA SEA GRANT REPORT 82-2, 155-169.  
 Aquaculture Data Base No.: 9723
- 1030** **1982**  
**Environmental limiting factors affecting the growth and spread of *Chalcalburnus tarichi* (Pall. 1881) (Pisces: Cyprinidae) in Burdur Lake (Fish production, pollution, eastern Anatolia). Die Umweltfaktoren, die die Verbreitung und Entwicklung von *Chalcalburnus tarichi* (Pall. 1881) (Pisces: Cyprinidae) in Burdue-See Begrenzen.**  
 Aksiray, F.  
 Water research; v. 16, (7), p. 1107-1112. ill., map. 1982. (Oxford, Eng.: Pergamon Press.)  
 NAL Call No.: TD420.W3  
 (1 p. ref.)
- 1031** **1982**  
**Estimated pollution loadings from Norwegian fish farms. I. Investigations 1978-1979.**  
 Bergheim, A.; Sivertsen, A.; Selmer-Olsen, A.R.  
 Aquaculture; v. 28, (3/4), p. 347-361. ill. July 1982. (Amsterdam: Elsevier Scientific Publishing.)  
 NAL Call No.: SH1.A6  
 (15 ref.)
- 1032** **1982**  
**Faecal indicator bacteria at fish farms (Total califorms in effluent from fish aquaculture).**  
 Niemi, M.; Taipalinen, I.  
 Hydrobiologia; v. 86, (1/2), p. 171-175. Jan 16, 1982. (The Hague: W. Junk.)  
 NAL Call No.: 410 H992  
 (Includes 11 ref.)
- 1033** **1982**  
**Flora and vegetation of fish-rearing ponds of the Tashkent fish hatchery. RUSSIAN.**  
 Bakhadirova, Z.  
 Uzbekskii biologicheskii zhurnal; (3), p. 33-35. 1982. (Tashkent, U.S.S.R.: "Fan".)  
 NAL Call No.: 442.8 UZ1  
 (5 ref.)
- 1034** **1982**

**Influence of forest and rangeland management on anadromous fish habitat in Western North America. 3. Timber harvest (Environmental impact, stream ecosystems, degradation, sedimentation).**  
Chamberlin, T.W.

USDA Forest Service general technical report PNW - United States, Pacific Northwest Forest and Range Experiment Station; (136), 30 p. ill., maps. Apr 1981. (Portland, Ore.: The Station.)  
NAL Call No.: aSD11.A46  
(6 p. ref.)

1035 1982

**Influence of forest and rangeland management on anadromous fish habitat in Western North America. 6. Silvicultural treatments (Environmental impact, Salmon, trout, *Oncorhynchus* spp., *Salmo* spp., *Salvalinus* spp.).**  
Everest, F.H.; Harr, R.D.

USDA Forest Service general technical report PNW - United States, Pacific Northwest Forest and Range Experiment Station; (134), 19 p. ill., maps. Jan 1982. (Portland, Ore.: The Station.)  
NAL Call No.: aSD11.A46  
(3 p. ref.)

1036 1982

**Managing water quality in channel catfish ponds.**

Boyd, C.E.  
Journal of soil and water conservation; v. 37, (4), p. 207-209. ill. July/Aug 1982. (Ankeny, Iowa: Soil Conservation Society of America.)  
NAL Call No.: 56.8 J822  
(30 ref.)

1037 1982

**Manganese-54 (isotope) accumulation by *Chlorella* spp., *Daphnia magna* and yellow perch (*Perca flavescens*).**  
Kearns, P.K.; Vetter, R.J.

Hydrobiologia; v. 88, (3), p. 277-280. Apr 9, 1982. (The Hague: W. Junk.)  
NAL Call No.: 410 H992  
(Includes ref.)

1038 1982

**Mariculture development on Long Island--land and water use considerations.**

Davies, D.S.  
Fisheries; v. 7, (2), p. 11-13. Mar/Apr 1982. (Bethesda, Md.: American Fisheries Society.)  
NAL Call No.: SH1.F54

1039 1982

**MONITORING CRAWFISH POND POPULATION HELPS PRODUCER ESTIMATE PRODUCTION.**

HINTON, M.J.  
AQUACULTURE MAGAZINE 8 (2), 13-14.  
Aquaculture Data Base No.: 9283

1040 1982

**Pond fertilization and liming (Fish production, weed control).**

Lewis, G.W.  
Bulletin - Cooperative Extension Service, University of Georgia, College of Agriculture; (867), 15 p. ill. Mar 1982. (Athens, Ga.: The Service.)  
NAL Call No.: 275.29 G29B

1041 1982

**PRODUCTION OF GAS SUPERSATURATION BY AERATION.**

COLT, J.; WESTERS, H.

TRANSACTIONS OF THE AMERICAN FISHERIES SOCIETY 111 (3), 342-360.  
Aquaculture Data Base No.: 9703

1042 1982

**Temperature requirements for the survival and early development of the anadromous alewife (*Alosa pseudoharengus*).**

Kellogg, R.L.  
The Progressive fish culturist - United States, Fish and Wildlife Service; v. 44, (2), p. 63-73. ill. Apr 1982. (Washington, D.C.: The Service.)  
NAL Call No.: 157.5 P94  
(26 ref.)

1043 1982

**The use of container-reared cultures of Cladocera in polishing fish farm effluents.**

Bogatova, I.B.; Yerofeyeva, Zh.I.  
Hydrobiological journal; v. 16, (5), p. 56-61. 1980 (pub. 1982). (Silver Spring, Md: Scripta.)  
NAL Call No.: QH90.A1H93  
Translated from: Gidrobiologicheskii zhurnal. (QH90.A1G5).  
(Includes 12 ref.)

1044 1982

**Using chemicals in pond management (Water quality, weed control, fish management aspects).**

Lewis, G.W.  
Bulletin - Cooperative Extension Service, University of Georgia, College of Agriculture; (866), 21 p. ill. Apr 1982. (Athens, Ga.: The Service.)  
NAL Call No.: 275.29 G29B  
(3 ref.)

1981

1045 1981

**Acute toxicity of increased pH (hydrogen-ion concentration) to the freshwater shrimp *Paratya curvirostris* (Alkaline wastes, power station, New Zealand).**

Shaw, T.L.  
New Zealand journal of marine and freshwater research; v. 15, (1), p. 91-93. ill. 1981. (Wellington: New Zealand Science Information Division, Dept. of Scientific and Industrial Research.)  
NAL Call No.: QH91.57.A1N4  
(7 ref.)

1046 1981

**The application of solar hot water and geothermal principles to closed cycle aquaculture (Fish farming).**

Yanzito, R.A.  
Energy conservation and use of renewable energies in the bio-industries : proceedings of the International Seminar on Energy Conservation and the Use of Solar and other Renewable Energies in Agriculture, Horticulture, and Fishculture, held at the Polytechnic of Central London, 15-19 September 1980. International Seminar on Energy Conservation and the Use of Solar and other Renewable Energies in Agriculture, Horticulture, and Fishculture (1980 : Polytechnic of Central London); p. 551-565. ill. 1981. (Oxford: Pergamon Press.)  
NAL Call No.: TJ810.I49 1980  
(Bibliography p. 564-565.)

1047 1981

**Aspects of water quality producing stress in intensive fish culture (Physiological disturbances).**



- Smart, G.R.  
Stress and fish; p. 277-293. ill. 1981. (London: Academic Press.)  
NAL Call No.: QL615.S7  
(Bibliography p. 289-293.)
- 1048** **1981**  
**Blooms of *Trichodesmium thiebautii* and their effect on experimental pearl culture at Veppalodai (Algae).**  
Chellam, A.; Alagarswami, K.  
Indian journal of fisheries; v. 25, (1/2), p. 237-238. 1978 (pub. 1981). (Cochin: Indian Council of Agricultural Research.)  
NAL Call No.: SH299.I5  
(Includes 7 ref.)
- 1049** **1981**  
**Climate and aquatic food production.**  
Bardach, J.E.; Santerre, R.M.  
Proceedings ... Food-climate interactions; (pub. 1981), p. 187-233. ill., map. 1980 (pub. 1981). (Dordrecht: D. Reidel Pub. Co.)  
NAL Call No.: HD9000.5.F595  
(Includes 6 p. ref.)
- 1050** **1981**  
**Comparison of bottom trawl (fish) stock densities in the inner Kavirondo Gulf of Lake Victoria (Kenya).**  
Muller, R.G.; Benda, R.S.  
Journal of fish biology; v. 19, (4), p. 399-401. map. Oct 1981. (London, Academic Press.)  
NAL Call No.: QL614.J68  
(5 ref.)
- 1051** **1981**  
**Comparison of ozone and chlorine toxicity to the developmental states of striped bass, *Morone saxatilis* (in both fresh and estuarine water).**  
Hall, L.W. Jr.; Burton, D.T.; Richardson, L.B.  
Canadian journal of fisheries and aquatic sciences. = Journal canadien des sciences halieutiques et aquatiques; v. 38, (7), p. 752-757. ill. July 1981. (Ottawa: Govt. of Canada, Fisheries and Oceans.)  
NAL Call No.: 442.9 C16J  
(28 ref.)
- 1052** **1981**  
**COMPARISON OF THE USEFULNESS OF THE SILVER CARP AND THE BIGHEAD CARP AS ADDITIONAL FISH IN CARP PONDS.**  
OPUSZYNSKI, K.  
AQUACULTURE 25 (2,3), 223-233.  
Aquaculture Data Base No.: 9548
- 1053** **1981**  
**Culture media with enriched seawater Optimal and inhibitory concentrations of some chemical compounds added to seawater for the culture of *Asparagopsis armata* (Rhodophyceae, Bonnemaisoniales) (Algae). Milieu de culture a eau de mer enrichie. Concentrations maximales et inhibitrices de certains composes chimiques ajoutés a l'eau de mer pour la culture d'*Asparagopsis armata* (Rhodophyceae, Bonnemaisoniale). FRENCH.**  
Segot, M.; Codomier, L.  
Botanica marina; v. 24, (2), p. 63-67. ill. Feb 1981. (Berlin: W. de Gruyter.)  
NAL Call No.: 450 B6582  
(20 ref.)
- 1054** **1981**  
**DESIGN OF AERATION SYSTEMS FOR AQUACULTURE.**
- COLT, J.E.; TCHOBANOGLIOUS, G.  
PROCEEDINGS OR THE BIO-ENGINEERING SYMPOSIUM FOR FISH CULTUER, TRAVERSE CITY, MICHIGAN, OCT.16-18, 1979, FCS OF AFS, 138-148.  
Aquaculture Data Base No.: 8929
- 1055** **1981**  
**DETERMINATION OF OPERATING PARAMETER VALUES FOR WATER REUSE AQUACULTURE.**  
MANCI, W.E.; QUIGLEY, J.T.  
PROCEEDINGS OF THE BIO-ENGINEERING SYMPOSIUM FOR FISH CULTURE, TRAVERSE CITY, MICHIGAN, OCT.16-18, FCS OF AFS, 97-103.  
Aquaculture Data Base No.: 8924
- 1056** **1981**  
**AN ECOLOGICAL APPROACH TO A WATER RECIRCULATING SYSTEM FOR SALMONIDS: PRELIMINARY EXPERIENCE.**  
MACKAY, K.T.; VAN TOEVER, W.  
PROCEEDINGS OF THE BIO-ENGINEERING SYMPOSIUM FOR FISH CULTURE, TRAVERSE CITY, MICHIGAN, OCT.16-18, 1979, FCS OF AFS, 249-258.  
Aquaculture Data Base No.: 8943
- 1057** **1981**  
**Effect of fertilizers on the primary and bacterial production of rearing ponds in the Volga delta.**  
Vorob'ev, V.I.; Sokol'skii, A.F.  
Hydrobiological journal; v. 16, (3), p. 27-31. 1980 (pub.1981). (Silver Spring, Md: Scripta.)  
NAL Call No.: QH90.A1H93  
Translated from: *Gidrobiologicheskii zhurnal*. (QH90.A1G5).  
(11 ref.)
- 1058** **1981**  
**Effect of the liming of intensively exploited ponds on phytoplankton development.**  
Kharitonova, N.N.; Gorobets, L.V.  
Hydrobiological journal; v. 16, (4), p. 35-39. 1980 (pub. 1981). (Silver Spring, Md: Scripta.)  
NAL Call No.: QH90.A1H93  
Translated from: *Gidrobiologicheskii zhurnal*. (QH90.A1G5).  
(25 ref.)
- 1059** **1981**  
**Effects of fenvalerate on field- and laboratory-developed estuarine benthic communities (Toxicity to various, shrimp and oysters, Florida).**  
Tagatz, M.E.; Ivey, J.M.  
Bulletin of environmental contamination and toxicology; v. 27, (2), p. 256-267. ill. Aug 1981. (New York: Springer.)  
NAL Call No.: RA1270.P35A1  
(6 ref.)
- 1060** **1981**  
**Effects of three phosphorus fertilizers on phosphorus concentrations and phytoplankton production (in fish ponds, near Auburn, Alabama).**  
Boyd, C.E.; Musig, Y.; Tucker, L.  
Aquaculture; v. 22, (1/2), p. 175-180. ill. Jan 1981. (Amsterdam: Elsevier Scientific Publishing.)  
NAL Call No.: SH1.A6  
(5 ref.)
- 1061** **1981**

The effects of water temperature on the development of proliferative kidney disease in rainbow trout, *Salmo gairdneri* Richardson.  
Ferguson, H.W.  
Journal of fish diseases; v. 4, (2), p. 175-177. Mar 1981. (Oxford: Blackwell Scientific.)  
NAL Call No.: SH171.A1J68  
(2 ref.)

1062 1981  
Federal regulation of fish hatchery effluent quality (Federal Water Pollution Control Act Amendments).  
Harris, J.  
Proceedings of the Bio-Engineering Symposium for Fish Culture / edited by Lochie Jo Allen and Edward C. Kinney; p. 157-161. 1981. (Bethesda, Md.: Fish Culture Section of the American Fisheries Society.)  
NAL Call No.: SH151.B54 1979  
(12 ref.)

1063 1981  
Freshwater quality (for marine organisms, fishes).  
Lloyd, R.  
Aquarium systems / edited by A.D. Hawkins; p. 129-147. 1981. (London: New York :)  
NAL Call No.: SF457.A67  
(2 p. ref.)

1064 1981  
Guidelines for economical commercial fish hatchery wastewater treatment systems.  
Mudrak, V.A.  
Proceedings of the Bio-Engineering Symposium for Fish Culture / edited by Lochie Jo Allen and Edward C. Kinney; p. 174-82. ill. 1981. (Bethesda, Md.: Fish Culture Section of the American Fisheries Society.)  
NAL Call No.: SH151.B54 1979  
(8 ref.)

1065 1981  
Hatchery effluent treatment, U.S. Fish and Wildlife Service.  
McLaughlin, T.W.  
Proceedings of the Bio-Engineering Symposium for Fish Culture / edited by Lochie Jo Allen and Edward C. Kinney; p. 167-173. ill. 1981. (Bethesda, Md.: Fish Culture Section of the American Fisheries Society.)  
NAL Call No.: SH151.B54 1979  
(4 ref.)

1066 1981  
Hatchery effluent water quality in British Columbia (Fish hatcheries).  
Sparrow, R.A.H.  
Proceedings of the Bio-Engineering Symposium for Fish Culture / edited by Lochie Jo Allen and Edward C. Kinney; p. 162-166. 1981. (Bethesda, Md.: Fish Culture Section of the American Fisheries Society.)  
NAL Call No.: SH151.B54 1979  
(14 ref.)

1067 1981  
Heavy metal contamination of the Pacific oysters (*Crassostrea gigas*) cultured in Deep Bay, Hong Kong.  
Wong, M.H.; Choy, C.K.; Lau, W.M.; Cheung, Y.H.  
Environmental research; v. 25, (2), p. 302-309. maps. Aug 1981. (New York: Academic Press.)  
NAL Call No.: RA565.A1E5  
(Bibliography p. 308-309.)

1068 1981

How much water do you use to farm fish.  
Avault, J.W., Jr.  
Aquaculture magazine; v. 8, (1), p. 42-43. Nov/Dec 1981. (Little Rock, Ark.: Briggs Associates, Inc.)  
NAL Call No.: SH1.C65

1069 1981  
The impact of impoundments on the downstream fisheries and general ecology of rivers.  
Brooker, M.P.  
Advances in applied biology; v. 6, p. 91-152. ill. 1981. (London: Academic Press.)  
NAL Call No.: QH301.A8  
Literature review.  
(Includes 15 p. ref.)

1070 1981  
Influence of forest and rangeland management on anadromous fish habitat in western North America. 7. Effects of livestock grazing.  
Platts, W.S.  
USDA Forest Service general technical report PNW - United States, Pacific Northwest Forest and Range Experiment Station; (124), 25 p. ill. Apr 1981. (Portland, Ore.: The Station.)  
NAL Call No.: aSD11.A46  
(Bibliography p. 19-25.)

1071 1981  
Influence of forest and rangeland management on anadromous fish habitat in western North America. 8. Effects of mining.  
Martin, S.B.; Platts, W.S.  
USDA Forest Service general technical report PNW - United States, Pacific Northwest Forest and Range Experiment Station; (119), 15 p. ill. Apr 1981. (Portland, Ore.: The Station.)  
NAL Call No.: aSD11.A46  
(Bibliography p. 11-15.)

1072 1981  
Influence of water quality on the survival of industrially reared trout fry (*Salmo trutta* (L.), *Salmo gairdneri* (Richardson). Influence de la qualite chimique de l'eau ardennaise sur la survie de l'alevin de truite en eievage intensif *Salmo trutta* (L.)--*Salmo gairdneri* (Richardson).  
FRENCH.  
Dupont, E.  
Annales - Societe royale zoologique de Belgique; v. 110, (1), p. 29-44. ill. 1980 (pub. 1981). (Bruxelles: La Societe.)  
NAL Call No.: 410.9 SO194  
(11 ref.)

1073 1981  
Loss of bottom fauna production resulting from emergence of adult Chironomidae in carp ponds.  
Lellak, J.  
Proceedings - International Association of Theoretical and Applied Limnology; v. 21, (pt.2), p. 1183-1186. map. 1980 (pub. 1981). (Stuttgart: E. Schweizerbart'sche Verlagsbuchhandlung.)  
NAL Call No.: QH96.A1I58  
(Includes 10 ref.)

1074 1981  
Management of dissolved oxygen and nitrogen in fish hatchery waters.  
Speece, R.E.



Proceedings of the Bio-Engineering Symposium for Fish Culture / edited by Lochie Jo Allen and Edward C. Kinney; p. 53-62. ill. 1981. (Bethesda, Md.: Fish Culture Section of the American Fisheries Society.)  
NAL Call No.: SH151.B54 1979  
(6 ref.)

1075 1981  
Mass production of freshwater rotifers on liquid wastes. I. The influence of some environmental factors on population growth of *Brachionus rubens* Ehrenberg 1838. Schluter, M.; Groeneweg, J. Aquaculture; v. 25, (1), p. 17-24. ill. July 1981. (Amsterdam: Elsevier Scientific Publishing.)  
NAL Call No.: SH1.A6  
(10 ref.)

1076 1981  
Mass production of freshwater rotifers on liquid wastes. II. Mass production of *Brachionus rubens* Ehrenberg 1838 in the effluent of high-rate algal ponds used for the treatment of piggery waste. Groeneweg, J.; Schluter, M. Aquaculture; v. 25, (1), p. 25-33. ill. July 1981. (Amsterdam: Elsevier Scientific Publishing.)  
NAL Call No.: SH1.A6  
(18 ref.)

1077 1981  
One approach to vegetation problem: chemical aquatic weed management (by the fish farmer) discussed. O'Neil, M.R. Aquaculture magazine; v. 7, (3), p. 26-29. ill. Mar/Apr 1981. (Little Rock, Ark.: Briggs Associates, Inc.)  
NAL Call No.: SH1.C65

1078 1981  
Oxygen consuming properties of (fish food and) effluents from fish farms (Norway). Bergheim, A.; Sivertsen, A. Aquaculture; v. 22, (1/2), p. 185-187. ill. Jan 1981. (Amsterdam: Elsevier Scientific Publishing.)  
NAL Call No.: SH1.A6  
(5 ref.)

1079 1981  
Phthalate ester hydrolases and phthalate ester toxicity in synchronously developing larvae of the brine shrimp (*Artemia*). Hudson, R.A.; Austerberry, C.F.; Bagshaw, J.C. Life sciences; v. 29, (18), p. 1865-1872. Nov 2, 1981. (New York: Pergamon Press.)  
NAL Call No.: 442.8 L62  
(13 ref.)

1080 1981  
Physicochemical parameters to consider in order to determine the fish farming value of waters. Les parametres physico-chimiques a prendre en consideration pour determiner la valeur piscicole des eaux. FRENCH. Biernaux, J. Annales de Gembloux; v. 87, (1), p. 5-15. First Quarter 1981. (Gembloux: Association des ingenieurs de la Faculte des sciences agronomiques.)  
NAL Call No.: 13 G28  
(Includes 4 ref.)

1081 1981  
Relationships between benthos, drift, feeding rhythm and consumption rates of brown trout (*Salmo trutta* L.) in an experimental stream. Relations entre le benthos, la derive, le rythme alimentaire et le taux de consommation de truites communes (*S. trutta* L.) en canal experimental. FRENCH.

Neveu, A. Hydrobiologia; v. 76, (3), p. 217-228. ill. Jan 16, 1981. (The Hague: W. Junk.)  
NAL Call No.: 410 H992  
(35 ref.)

1082 1981  
Response of trout hepatic mixed-function oxidases to experimental feeding of ten known or possible chlorinated environmental contaminants (*Salvelinus fontinalis*). Law, F.C.P.; Addison, R.F. Bulletin of environmental contamination and toxicology; v. 27, (5), p. 605-609. Nov 1981. (New York: Springer.)  
NAL Call No.: RA1270.P35A1  
(Includes ref.)

1083 1981  
Sanitary aspects of the intensive fish culture. Aspetti sanitari nell'itticoltura intensiva. ITALIAN. Giorgetti, G. Informatore zootecnico; v. 28, (5), p. 77-78. ill. Mar 15, 1981. (Bologna: Edagricole.)  
NAL Call No.: 49 IN3

1084 1981  
Stream system evaluation with emphasis on spawning habitat for salmonids (Nonpoint sources of pollution). Shirazi, M.A.; Seim, W.K. Water resources research; v. 17, (3), p. 592-594. June 1981. (Washington, D.C.: American Geophysical Union.)  
NAL Call No.: 292.8 W295  
(10 ref.)

1085 1981  
Successional events (of aquatic vegetation in a farm pond) following simazine application. Crawford, S.A. Hydrobiologia; v. 77, (13), p. 217-223. ill. Feb 13, 1981. (The Hague: W. Junk.)  
NAL Call No.: 410 H992  
(15 ref.)

1086 1981  
Temperature and fish growth in a hot house fish pond (*Tilapia*, fish farming). Kenmuir, D.H.S. Zimbabwe agricultural journal; v. 78, (5), p. 189-192. ill. Sept/Oct 1981. (Salisbury: Ministry of Agriculture.)  
NAL Call No.: 24 R34  
(Includes 6 ref.)

1980

1087 1980  
"Active" water in fish culture (Sanitation, contamination of water, molluscs). Acque "attive" in piscicoltura. ITALIAN. Gottardi, G. Informatore zootecnico; v. 27, (2), p. 40-41. ill. Jan 31, 1980. (Bologna: Edagricole.)  
NAL Call No.: 49 IN3

1088 1980  
Action plan : anadromous fish habitat management on national forests in Idaho.

(Missoula, Mont.): Dept. of Agriculture, Forest Service, Northern and Intermountain Regions; 1980. 12 p.: ill., maps; 26 cm.

NAL Call No.: aSH167.A7A5

Cover title USDA Forest Service anadromous fish habitat program Prepared in cooperation with Intermountain Region, and Idaho Dept. of Fish and Game.

1089 1980  
**Adaptation to aquatic environments (Spring chinook salmon, moves from its feeding areas in the Pacific Ocean into the Columbia River).**  
 Warren, C.E.; Liss, W.J.  
 Fisheries management, edited by Robert T. Lackey and Larry A. Nielsen; p. 15-40. ill. 1980. (Oxford: Boston.)  
 NAL Call No.: SH328.F56  
 (22 ref.)

1090 1980  
**Application of chilled sea water in a small-scale fishery project: a case study (Camarines Area Fishing Cooperative in Mercedes, Philippines).**  
 Pizzali, A.F.M.  
 Symposium on the Development and Management of Small-Scale Fisheries : proceedings of the 19th session, Indo-Pacific Fishery Commission, Kyoto, Japan, 21-30 May 1980; p. 819-825. ill. 1980. (Bangkok: FAO Regional Office for Asia and the Pacific.)  
 NAL Call No.: SH1.I5

1091 1980  
**AQUATIC PLANT PROCESSES ASSESSMENT.**  
 MIDDLEBROOKS, E.J.  
**AQUACULTURE SYSTEMS FOR WASTEWATER TREATMENT - AN ENGINEERING ASSESSMENT,**  
 EPA 430/9-80-007, 43-62.  
 Aquaculture Data Base No.: 8990

1092 1980  
**Changes of chemical composition of water in two fish farming ponds with air-breathing teleosts.**  
 Jana, B.B.; Das, R.N.  
 Proceedings. Animal Sciences - Indian Academy of Sciences; v. 89, (1), p. 1-8. Feb 1980. (Bangalore: The Academy.)  
 NAL Call No.: QL1.I48  
 (10 ref.)

1093 1980  
**CHIRONOMID FARMING - A MEANS OF RECYCLING FARM MANURE AND POETNITALLY REDUCING WATER POLLUTION IN HONG KONG.**  
 SHAW, P.-C.; MARK, K.-K.  
 AQUACULTURE 21 (2), 155-163.  
 Aquaculture Data Base No.: 8382

1094 1980  
**COMBINED AQUACULTURE SYSTEMS FOR MUNICIPAL WASTEWATER TREATMENT - AN ENGINEERING ASSESSMENT.**  
 SCHWARTZ, H.G., JR.; SHIN, B.S.  
**AQUACULTURE SYSTEMS FOR WASTEWATER TREATMENT - AN ENGINEERING ASSESSMENT,**  
 EPA 430/9-80-007, 81-104.  
 Aquaculture Data Base No.: 8992

1095 1980  
**Comparative study of the phytoplankton production in two trout ponds in Upper Belgium (1967-1969 period).**  
 Etude comparee de la production phytoplantonique dans deux etangs a truites de Haute-Belgique (periode 1967-1969). FRENCH.

Mommaerts, J.P.; Borsu-Elgman, L.  
 Bulletin. Biologie - Institut royal des sciences naturelles de Belgique; v. 52, (2), 31 p. ill. July 1, 1980. (Bruxelles: Institut royal des sciences naturelles de Belgique; Imprimeur du Roi.)  
 NAL Call No.: QH301.I48  
 (16 ref.)

1096 1980  
**Comparisons of water analysis kits (Fisheries management).**  
 Boyd, C.E.  
 Proceedings of the ... annual conference Southeastern Association of Fish and Wildlife Agencies; (34th), p. 39-48. 1980. ((s.l.): The Association.)  
 NAL Call No.: SK1.S6  
 (Includes 6 ref.)

1097 1980  
**Consequences of copper sulfate and simazine treatment for phytoplankton control in fish ponds and studies on the dissipation of simazine in laboratory microcosms.**  
 Tucker, Craig Stuart,  
 Ann Arbor, Mich: University Microfilms International; 1980. x, 65 leaves.  
 NAL Call No.: DISS 78-24,034  
 Facsimile produced by microfilm-xerography.  
 Thesis--Auburn University, 1978.  
 (Bibliography: leaves 59-63.)

1098 1980  
**Correlations between phytoplankton and bacterioplankton production and fish productivity in fish hatchery ponds of the Volga delta.**  
 Gorbunov, K.V.; Sokol'skii, A.F.; Tamrazova, N.I.  
 The Soviet journal of ecology; v. 10, (3), p. 223-229. ill. May/June 1979 (pub. 1980). (New York: Consultants Bureau.)  
 NAL Call No.: QH540.E32  
 (24 ref.)

1099 1980  
**Ecological functions in aquaculture with particular reference to the thermic pollution. Funzione ecologica dell'acquacultura con particolare riguardo al problema dell'inquinamento termico. ITALIAN.**  
 Acqua aria; (9), p. 1139-1151. Nov 1980. (Milano: Arti poligrafiche europee.)  
 NAL Call No.: TD169.A35

1100 1980  
**Effect of bed and current character on the behavior of sturgeon fry under experimental conditions. RUSSIAN.**  
 Sbikin, I.U.N.; Khomenkov, A.S.  
 Zoologicheskii zhurnal; v. 59, (11), p. 1661-1670. ill. Nov 1980. (Moskva: "Nauka".)  
 NAL Call No.: 410 R92  
 (4 ref.)

1101 1980  
**The effect of fertilization with phosphorus and nitrogen versus phosphorus alone on eutrophication of experimental lakes (Phytoplankton production).**  
 Schindler, D.W.  
 Limnology and oceanography; v. 25, (6), p. 1149-1152. Nov 1980. (Lawrence, Kan.: American Society of Limnology and Oceanography.)  
 NAL Call No.: GC1.L5  
 (13 ref.)

1102 1980



**EFFECT OF SEA-RUN ALEWIVES ON RAINBOW TROUT AND BROWN TROUT IN RECLAIMED PONDS.**

MCCAIG, R.S.  
THE PROGRESSIVE FISH-CULTURIST 42 (1), 59-63.  
Aquaculture Data Base No.: 7601

1103 1980  
Effect of substrate types on fecundity and nauplii production of ablated *Penaeus monodon* Fabricius (Giant tiger prawn, cultured in Philippine ponds).  
Pudadera, R.A.; Primavera, J.H.; Borlongan, E.  
The Philippine journal of science; v. 109, (1/2), p. 15-18. Jan/June 1980. (Manila, Philippines: National Science Development Board.)  
NAL Call No.: 475 P53

1104 1980  
EFFECTS OF WATER MOVEMENT AND AERATION SYSTEM ON THE SURVIVAL AND GROWTH OF HATCHERY BRED SUGPO (*PENAEUS MONODON FABRICIUS*) IN EARTHEN NURSERY PONDS.  
APUD, F.D.; CAMACHO, A.S.  
SEAFDEC QUARTERLY RESEARCH REPORT 4 (3), 15-18.  
Aquaculture Data Base No.: 9679

1105 1980  
ENGINEERING ASSESSMENT OF AQUACULTURE SYSTEMS FOR WASTEWATER TREATMENT: AN OVERVIEW.  
REED, S.C.; BASTIAN, R.K.; JEWELL, W.J.  
AQUACULTURE SYSTEMS FOR WASTEWATER TREATMENT - AN ENGINEERING ASSESSMENT, EPA 430/9-80-007, 1-12.  
Aquaculture Data Base No.: 8988

1106 1980  
ESTIMATION OF PRIMARY PRODUCTIVITY FROM DIEL NITRATE UPTAKE MEASUREMENTS OF THE WATER HYACINTH *EICHHORNIA CRASSIPES* IN AN AQUACULTURE SYSTEM.  
HANISAK, M.D.  
AQUACULTURE 19 (1), 75-86.  
Aquaculture Data Base No.: 7570

1107 1980  
Fish as a factor controlling water quality in ponds (Common carp (*Cyprinus carpio*), Czechoslovakia).  
Føtt, J.; Pechar, L.; Prazakova, M.  
Proceedings ... Hypertrophic ecosystems; (pub. 1980), p. 255-261. 1979 (pub. 1980). (The Hague: W. Junk.)  
NAL Call No.: QH96.8.E9S54  
(Includes 2 p. ref.)

1108 1980  
Historical land-use changes related to fish status development in different areas in southern Norway.  
Drablos, D.; Sevaldrud, I.; Timberlid, J.A.  
Proceedings ... Ecological impact of acid precipitation; p. 367-369. ill., map. 1980. (Oslo: SNSF-prosjektet.)  
NAL Call No.: QH545.A1715  
(Includes 8 ref.)

1109 1980  
Hydrology and fish diversity of a North Queensland tropical stream (Australia).  
Beumer, J.P.

Australian journal of ecology; v. 5, (2), p. 159-186. ill., map. June 1980. (Oxford: Blackwell Scientific.)  
NAL Call No.: QH540.A8  
(Bibliography p. 183-185.)

1110 1980  
IMPLICATIONS OF TRANSPLANTATIONS TO AQUACULTURE AND ECOSYSTEMS.  
ROSENTHAL, H.  
MARINE FISHERIES REVIEW 42 (5), 1-14.  
Aquaculture Data Base No.: 8308

1111 1980  
Importance of the water-level regime for reservoir fishery.  
Il'ina, L.K.; Gordeev, N.A.  
Water resources; v. 7, (2), p. 153-164. Mar/Apr 1980. (New York: Consultants Bureau.)  
NAL Call No.: GB746.W33  
Literature review. Translated from: Vodnye resuray, p. 123-136. (GB746.V55).  
(Includes 45 ref.)

1112 1980  
Influence of forest and rangeland management on anadromous fish habitat in western North America. Impacts of natural events.  
Swanston, D.N.  
USDA Forest Service general technical report PNW - United States, Pacific Northwest Forest and Range Experiment Station; (104), 27 p. ill. Apr 1980. (Portland, Ore.: The Station.)  
NAL Call No.: aSD11.A46  
(Bibliography p. 21-27.)

1113 1980  
Influence of forest and rangeland management on anadromous fish habitat in Western North America. Planning forest roads to protect salmonid habitat (Fish migration, sedimentation control).  
Yee, C.S.; Roelofs, T.D.  
USDA Forest Service general technical report PNW - United States, Pacific Northwest Forest and Range Experiment Station; (109), 26 p. ill. 1980. (Portland, Ore.: The Station.)  
NAL Call No.: aSD11.A46  
(34 ref.)

1114 1980  
The influence of Six Rivers National Forest timber harvest on salmon fisheries: Forest service allegations in search of scientific support.  
Grobey, J.H.  
Cal-Neva wildlife; p. 78-91. ill. 1980. (Reno: Wildlife Society, Western Section, and American Fisheries Society, California-Nevada Chapter.)  
NAL Call No.: SK351.W523  
(20 ref.)

1115 1980  
Kelp growth on an ocean farm in relation to fertilizing (*Macrocystis*, Algae).  
Gerard, V.; North, W.  
Proceedings - International Seaweed Symposium; (10th), p. 581-586. 1980. (Berlin: W. de Gruyter.)  
NAL Call No.: QK564.I52  
(5 ref.)

1116 1980  
ME. STUDY FINDS SLUDGE BENEFICIAL TO AQUACULTURE.

DOW, R.L.  
 NATIONAL FISHERMAN 61 (7), 70-72.  
 Aquaculture Data Base No.: 8333

1117 1980  
**METHODS OF BIOLOGICAL RECYCLING OF NUTRIENTS FROM LIVESTOCK WASTES: A LITERATURE REVIEW AND SYSTEMS ANALYSIS.**

STANLEY, R.A.  
 TENNESSEE VALLEY AUTHORITY, NATIONAL FERTILIZER DEVELOPMENT CENTER, 1-45.  
 Aquaculture Data Base No.: 8456

1118 1980  
**Nightly aeration to increase production of channel catfish (*Ictalurus punctatus*).**

Hollerman, W.D.; Boyd, C.E.  
 Transactions of the American Fisheries Society; v. 109, (4), p. 446-452. ill. July 1980. (Lawrence, Kan.: The Society.)  
 NAL Call No.: 414.9 AM3  
 (16 ref.)

1119 1980  
**Nitrogen uptake by tropical freshwater macrophytes.**

Nelson, Stephen G.; Smith, Barry D.; Best, Bruce R. (Agana): University of Guam, Water Resources Research Center; 1980. vi, 21 p.: ill.; 27 cm.  
 NAL Call No.: TP245.N8N4

"Project completion report for Nitrogen retention, removal, and turnover rates in aquatic microcosms in relation to the development of aquaculture systems for water quality improvement. OWRT project no. A-014-Guam, Grant agreement no. 14-34-0001-9012 Project period: October 1, 1978 to September 30, 1979. (Technical report / University of Guam. Water Resources Research Center ; no. 10)  
 (Bibliography: p. 20-21.)

1120 1980  
**On the role of soil in the maintenance of fish ponds' fertility.**

Avnimelech, Y.; Lacher, M.  
 Proceedings ... Hypertrophic ecosystems; (pub. 1980), p. 251-254. 1979 (pub. 1980). (The Hague: W. Junk.)  
 NAL Call No.: QH96.8.E9S54  
 (Includes 13 ref.)

1121 1980  
**PESTICIDES AS A MAJOR CONSTRAINT TO INTEGRATED AGRICULTURE-AQUACULTURE FARMING SYSTEMS.**

KOESOEMADINATA, S.  
 ICLARM CONFERENCE PROCEEDINGS 4, INTEGRATED AGRICULTURE-AQUACULTURE FARMING SYSTEMS, MANILA, PHILIPPINES, 6-9 AUGUST 1979, 45-51.  
 Aquaculture Data Base No.: 8842

1122 1980  
**PLANTS AND PRAWNS GROW SIDE BY SIDE.**

KEIFFER, E.  
 NEMAS INFORMATION 108, MARCH-APRIL, 2-3.  
 Aquaculture Data Base No.: 7773

1123 1980  
**Predicting the impacts of surface coal mining on trout populations in the Yampa River Basin (Colorado, Salmo).**

Smith, R.A.

Energy development in the Southwest : problems of water, fish and wildlife in the Upper Colorado River Basin / Walter O. Spofford, Jr., Alfred L. Parker, and Allen V. Kneese, editors; v. 2 p. 395-437. ill., maps. 1980. (Washington, D.C.: Resources for the Future.)  
 NAL Call No.: TJ163.25.S6E4  
 (Bibliography p. 435-437.)

1124 1980

**Predicting the impacts of surface coal mining on trout populations in the Yampa River Basin: a discussion.**

Yorke, T.H.  
 Energy development in the Southwest : problems of water, fish and wildlife in the Upper Colorado River Basin / Walter O. Spofford, Jr., Alfred L. Parker, and Allen V. Kneese, editors; v. 2 p. 449-457. 1980. (Washington, D.C.: Resources for the Future.)  
 NAL Call No.: TJ163.25.S6E4  
 (9 ref.)

1125 1980

**Predicting the impacts of surface coal mining on trout populations in the Yampa River Basin: a discussion (Salmo, Colorado).**

Jacoby, G.C.  
 Energy development in the Southwest : problems of water, fish and wildlife in the Upper Colorado River Basin / Walter O. Spofford, Jr., Alfred L. Parker, and Allen V. Kneese, editors; v. 2 p. 438-448. 1980. (Washington, D.C.: Resources for the Future.)  
 NAL Call No.: TJ163.25.S6E4  
 (7 ref.)

1126 1980

**Reasons of high adaptation of bream in the Mingechaar reservoir. RUSSIAN.**

Abbasov, G.S.; Seid-Rzaev, M.M.  
 Doklady - Akademiia nauk Azerbaidzhanskoi SSR; v. 36, (7), p. 76-80. 1980. (Baku: "Elm".)  
 NAL Call No.: 511 AK147D  
 (4 ref.)

1127 1980

**RECYCLING LIVESTOCK WASTES VIA FISH CULTURE.**

BEHRENOS, L.L.  
 AQUACULTURE MAGAZINE 7 (1), 38-39.  
 Aquaculture Data Base No.: 8397

1128 1980

**Relationships among total dissolved solids, conductivity, and osmosity for five Artemia habitats (Anostraca: Artemiidae) (Brine shrimp).**

Collins, N.C.; Stirling, G.  
 The Great Basin naturalist; v. 40, (2), p. 131-140. ill. June 30, 1980. (Provo: Brigham Young University.)  
 NAL Call No.: 410 G79  
 (4 ref.)

1129 1980

**RELIABILITY OF AN ELECTRODE AND A WATER ANALYSIS KIT FOR DETERMINATION OF AMMONIA IN AQUACULTURE SYSTEMS.**

CUENCO, M.L.; STICKNEY, R.R.  
 TRANSACTIONS OF THE AMERICAN FISHERIES SOCIETY 109 (5), 571-576.  
 Aquaculture Data Base No.: 8365

1130 1980

**SALTMARSH ECOLOGY. PART V: AQUACULTURE.**



BADGER, C.  
VIRGINIA WILDLIFE 41 (3), 9-11.  
Aquaculture Data Base No.: 8192

1131 1980  
A SIMPLIFIED HYDRAZINE-REDUCTION METHOD FOR DETERMINING HIGH CONCENTRATIONS OF NITRATE IN RECIRCULATED SEA WATER.  
BOWER, C.E.; HOLM-HANSEN, T.  
AQUACULTURE 21 (3), 281-286.  
Aquaculture Data Base No.: 8373

1132 1980  
Studies on the biology of the (cultured) red sea bream *Chrysophrys major*. I. Temperature tolerance.  
Woo, N.Y.S.; Fung, A.C.Y.  
Marine ecology progress series; v. 3, (2), p. 121-124. ill. 1980. (Halstenbek, Ger.: Inter-Research.)  
NAL Call No.: QH541.5.S3M32  
(18 ref.)

1133 1980  
Studies on the hanging culture of oyster, *Crassostrea gigas*, in the Korean coastal waters. IV. On the fouling organisms (*Styela clava*) associated with culturing oysters at the oyster culture farms in Chungmu.  
Kang, P.A.; Kim, Y.; Yoon D.S.  
Acta chimica; (25), p. 29-34. ill., map. Dec 1980. (Budapest.)  
NAL Call No.: 385 AC83  
(4 ref.)

1134 1980  
Studies on the hanging culture of oysters, *Crassostrea gigas*, in the Korean coastal waters. VII. Environmental condition of oyster culture beds and oyster growth.  
Kim, Y.; Yoon, D.S.; Kang, P.A.  
Acta chimica; (25), p. 35-43. ill., maps. Dec 1980. (Budapest.)  
NAL Call No.: 385 AC83  
(19 ref.)

1135 1980  
Studies on the marine fish culture. I. Distribution of juvenile fishes inhabiting the drifting Algae (in the southern waters of Korea).  
Rho, S.  
Kungnip Susan Chinhungwon yon'gu pogo. Bulletin of Fisheries Reserch & Development Agency - Kungnip Susan Chinhungwon; (23), p. 229-256. ill., maps. June 1980. (June 1980: (23))  
NAL Call No.: SH307.K8K84  
(27 ref.)

1136 1980  
Survival of (the soft clam) *Mya arenaria* larvae (Mollusca: Bivalvia) exposed to chlorine-produced oxidants (in flowing estuarine water).  
Roosenburg, W.H.; Rhoderick, J.C.; Block, R.M.; Kennedy, V.S.; Vreenegoor, S.M.  
Proceedings - National Shellfisheries Association; v. 70, (1), p. 105-111. ill. June 1980. (Plymouth, Mass.: MPG Communications.)  
NAL Call No.: SH365.A1N3  
(12 ref.)

1137 1980  
SURVIVAL, GROWTH AND PRODUCTION OF *PENAEUS MONODON* AT DIFFERENT STOCKING DENSITIES IN EARTHEN PONDS WITH FLOW-THROUGH SYSTEM AND SUPPLEMENTARY FEEDING.

APUD, F.D.; GONZALES, K.; DEATRAS, N.  
SEAFDEC QUARTERLY RESEARCH REPORT 4 (4), 15-18.  
Aquaculture Data Base No.: 9683

1138 1980  
Toxic effects of copper sulphate residue in water on the development of the eggs of common carp: *Cyprinus carpio* Linn.  
Kaur, K.; Virk, S.  
Indian journal of ecology; v. 7, (2), p. 294-297. 1 plate. July 1980. (Ludhiana: Indian Ecological Society.)  
NAL Call No.: QH540.I56  
(Includes 2 p. ref.)

1139 1980  
Uptake of hexachlorobenzene (HCB) (fungicide) from feed by rainbow trout (*Salmo gairdneri*).  
Niimi, A.J.; Cho, C.Y.  
Bulletin of environmental contamination and toxicology; v. 24, (6), p. 834-839. June 1980. (New York: Springer Verlag.)  
NAL Call No.: RA1270.P35A1  
(25 ref.)

1140 1980  
Water quality and fish performance.  
Smart, G.  
Fish farming international; v. 7, (4), p. 16-17. ill. Dec 1980. (London: Arthur J. Heighway.)  
NAL Call No.: SH151.F5

1141 1980  
Water quality in catfish ponds.  
Boyd, C.E.  
Aquaculture magazine; v. 6, (6), p. 39. Sept/Oct 1980. (Little Rock, Ark.: Briggs Associates, Inc.)  
NAL Call No.: SH1.C65

1142 1980  
WATER QUALITY IN STANDING-WATER PONDS FOR WINTER PRODUCTION OF RAINBOW TROUT IN ALABAMA.  
HALVERSON, C.J.; JENSEN, J.W.; BOYD, C.E.  
TRANSACTIONS OF THE AMERICAN FISHERIES SOCIETY 109 (3), 310-313.  
Aquaculture Data Base No.: 8343

1143 1980  
ZOOPLANKTON IN THE PONDS OF THE KOCHUBY FISH FARM (DAGESTANIAN ASSR).  
SAL'NIKOV, L.P.; BADNINA, N.G.  
HYDROBIOLOGICAL JOURNAL 16 (1), 72.  
Aquaculture Data Base No.: 8780

1979

1144 1979  
THE APPEARANCE OF CHIRONOMID LARVAE IN PONDS CONTAINING COMMON CARP (*CYPRINUS CARPIO*).  
ZUR, O.  
BAMIDGEH 31 (4), 105-113.  
Aquaculture Data Base No.: 7579

1145 1979  
AQUACULTURE AND ALGAE CULTURE - PROCESSES AND PRODUCTS. POLLUTION AND AQUACULTURE.

- WATSON, A.S.  
AQUACULTURE AND ALGAE CULTURE (FOOD TECHNOLOGY REVIEW NO.53), NOYES DATA CORPORATION, 266-276.  
Aquaculture Data Base No.: 8652
- 1146 1979  
AQUACULTURE TECHNIQUES: WATER USE AND DISCHARGE QUALITY.  
KLONTZ, G.W.; BROCK, I.R.; MCNAIR, J.A.  
IDAHO WATER RESOURCE RESEARCH INSTITUTE. 1-114.  
Aquaculture Data Base No.: 6978
- 1147 1979  
Aspects of the ecology of Whangarei Harbour : a report.  
Mason, R. S.; Ritchie, L. D.  
Whangarei (N.Z.): Fisheries Management Division, Ministry of Agriculture and Fisheries; 1979. 88 leaves: ill., maps; 30 cm.  
NAL Call No.: QH541.5.S3M375  
(Bibliography: leaves 85-86.)
- 1148 1979  
Assessing the impact of power plants on striped bass (Morone Saxatilis) in the Sacramento-San Joaquin delta.  
Casne, S.R.; Hanson, D.F.  
Cal-Neva wildlife; (29th), p. 69-73. maps. 1979. (Reno: Wildlife Society, Western Section, and American Fisheries Society, California-Nevada Chapter.)  
NAL Call No.: SK351.W523  
(5 ref.)
- 1149 1979  
A CLEANUP PROCESS FOR AQUACULTURE THAT USES SEAFOOD WASTES.  
BARNETT, S.M.; LIN, S.-F.  
MARITIMES 23 (4), 6-9.  
Aquaculture Data Base No.: 7473
- 1150 1979  
A COMPARATIVE STUDY OF A SALTWATER IMPOUNDMENT AND ITS ADJACENT TIDAL CREEK PERTINENT TO CULTURE OF CRASSOSTREA VIRGINICA (GMELIN).  
ANDERSON, W.D.  
PROCEEDINGS OF THE 10TH ANNUAL MEETING, WMS, HONOLULU, HAWAII, JAN. 22-26, 1979, 649-671.  
Aquaculture Data Base No.: 7974
- 1151 1979  
THE EFFECT OF POPULATION DENSITY OF CARP IN MONOCULTURE UNDER CONDITIONS OF INTENSIVE GROWTH.  
RAPPAPORT, U.; SARIG, S.  
BAMIDGEH 31 (2), 26-34.  
Aquaculture Data Base No.: 7313
- 1152 1979  
Effects of cropping on growth of channel catfish (Ictalurus punctatus, at Arkansas State University Fish Farm).  
Stephens, W.W.; Beadles, J.K.  
Proceedings of the ... annual conference - Southeastern Association of Fish and Wildlife Agencies; (33rd), p. 572-583. ill. 1979. (Columbia, S.C: The Association.)  
NAL Call No.: SK1.S6  
(12 ref.)
- 1153 1979  
ENERGY CONSUMPTION, CONSERVATION AND RECOVERY IN MUNICIPAL WASTEWATER TREATMENT - AN OVERVIEW.  
BENDER, M.F.  
AQUACULTURE SYSTEMS FOR WASTEWATER TREATMENT, SEMINAR PROCEEDINGS AND ENGINEERING ASSESSMENT, EPA 430/9-80-006, 417-420.  
Aquaculture Data Base No.: 9120
- 1154 1979  
ENERGY FROM WASTEWATER AQUACULTURE SYSTEMS.  
BENEMANN, J.R.  
AQUACULTURE SYSTEMS FOR WASTEWATER TREATMENT, SEMINAR PROCEEDINGS AND ENGINEERING ASSESSMENT, EPA 430/9-80-006, 441-458.  
Aquaculture Data Base No.: 9122
- 1155 1979  
ENGINEERING DESIGN DATA FOR SMALL VASCULAR AQUATIC PLANT WASTEWATER TREATMENT SYSTEMS.  
WOLVERTON, B.C.  
AQUACULTURE SYSTEMS FOR WASTEWATER TREATMENT, SEMINAR PROCEEDINGS AND ENGINEERING ASSESSMENT, EPA 430/9-80-006, 179-192.  
Aquaculture Data Base No.: 9110
- 1156 1979  
EVALUATION OF CUTRINE FOR USE IN FISH CULTURE.  
SKEA, J.C.; SIMONIN, H.A.  
THE PROGRESSIVE FISH-CULTURIST 41 (4), 171-174.  
Aquaculture Data Base No.: 7337
- 1157 1979  
Evaluation of the effects of different streamflow releases on trout habitat below hydroelectric diversion dams: Two case studies.  
Kubicek, P.F.  
Cal-Neva wildlife; (29th), p. 55-68. ill., maps. 1979. (Reno: Wildlife Society, Western Section, and American Fisheries Society, California-Nevada Chapter.)  
NAL Call No.: SK351.W523  
(4 ref.)
- 1158 1979  
Evaluation of water quality management procedures used on Mississippi catfish farms.  
McWhorter, John C.  
Mississippi State: Water Resources Research Institute, Mississippi State University; 1979. v, 31 leaves: ill; 28 cm.  
NAL Call No.: TD224.M7M17  
Supported in part by the Office of Water Research and Technology, U.S. Dept. of the Interior, under project no. A-122-MISS.  
(Bibliography: leaf 26.)
- 1159 1979  
FARM POND RESTORATION USING CHARA VULGARIS VEGETATION.  
CRAWFORD, S.A.



HYDROBIOLOGIA 62 (1), 17-31.  
Aquaculture Data Base No.: 6456

**1160** 1979  
**FOAM FRACTIONATION APPLIED TO  
AQUACULTURE SYSTEMS.**  
WHEATON, F.W.; LAWSON, T.B.; LOMAX, K.M.  
PROCEEDINGS OF THE 10TH ANNUAL  
MEETING, WMS, HONOLULU, HAWAII, JAN.  
22-26, 1979, 795-808.  
Aquaculture Data Base No.: 7987

**1161** 1979  
**Frequency of low dissolved oxygen concentrations in  
ponds for commercial culture of channel catfish  
(Ictalurus punctatus, Tallahatchie County, Mississippi).**  
Boyd, C.E.; Steeby, J.A.; McCoy, E.W.  
Proceedings of the ... annual conference - Southeastern  
Association of Fish and Wildlife Agencies; (33rd), p.  
591-599. ill. 1979. (Columbia, S.C: The Association.)  
NAL Call No.: SK1.S6  
(9 ref.)

**1162** 1979  
**Influence of forest and rangeland management on  
anadromous fish habitat in the western United States  
and Canada.**  
Meehan, William R.  
Portland, Or: U.S. Dept. of Agriculture, Forest Service,  
Pacific Northwest Forest and Range Experiment Station;  
1979. v.: ill.; 27 cm.  
NAL Call No.: aSD11.A46 No.96, etc.  
(United States. Pacific Northwest Forest and Range  
Experiment Station. USDA Forest Service general  
technical report PNW ; 96, etc.)  
(Includes bibliographies.)

**1163** 1979  
**Intensive production of eels (*Anguilla anguilla*) with  
particular consideration to water temperature and amino  
acid requirement. Die Intensivhaltung des Aales  
(*Anguilla anguilla*) unter besonderer Berücksichtigung  
der Wassertemperatur und des Aminosäurenbedarfs.  
GERMAN.**  
Schulte-Lohmoller, Hermann,  
Bonn: (s.n.); 1979. 72 p.: ill.; 21 cm.  
NAL Call No.: 105.8 B644 (1979 no.37)  
Includes vita.  
(Bonn. Universitat. Landwirtschaftliche Fakultät.  
Inaugural-Dissertation ; (1979 no. 37))  
(Bibliography: p. 61-72.)

**1164** 1979  
**MANAGEMENT OF DISSOLVED OXYGEN IN  
POND FISH CULTURE.**  
ROMAIRE, R.P.; BOYD, C.E.  
FARM POND HARVEST 13 (3), 8-10.  
Aquaculture Data Base No.: 6902

**1165** 1979  
**MASS PRODUCTION OF PENAEUS MONODON  
FABRICIUS JUVENILES IN EARTHEN NURSERY  
PONDS.**  
APUD, F.; YAP, W.; GONZALES, K.  
SEAFDEC, QUARTERLY RESEARCH REPORT 3  
(1), 7-11.  
Aquaculture Data Base No.: 8047

**1166** 1979  
**MODELING THE DYNAMICS OF DISSOLVED  
OXYGEN IN CHANNEL CATFISH PRODUCTION  
PONDS.**

ROMAIRE, R.P.  
AUBURN UNIVERSITY. PH.D DISSERTATION,  
1-93.  
Aquaculture Data Base No.: 6878

**1167** 1979  
**THE OCCURRENCE AND UTILIZATION OF THE  
CLADOCERAN MOINA MACROCOPA (STAUSS) IN  
A KRAFT PULP MILL TREATMENT LAGOON.**  
NORMAN, K.E.; BLAKELY, J.B.; CHEW, K.K.  
PROCEEDINGS OF THE 10TH ANNUAL  
MEETING, WMS, HONOLULU, HAWAII, JAN.  
22-26, 116-121.  
Aquaculture Data Base No.: 7921

**1168** 1979  
**OPERATION CLEAN-UP.**  
HANSEN, I.W.  
FISH FARMING INTERNATIONAL 6 (2), 32-34.  
Aquaculture Data Base No.: 6857

**1169** 1979  
**AN OVERVIEW OF THE LEGAL, POLITICAL,  
AND SOCIAL IMPLICATIONS OF WASTEWATER  
TREATMENT THROUGH AQUACULTURE.**  
LOHMAN, L. C.  
AQUACULTURE SYSTEMS FOR WASTEWATER  
TREATMENT, SEMINAR PROCEEDINGS AND  
ENGINEERING ASSESSMENT, EPA 430/9-80-006,  
459-474.  
Aquaculture Data Base No.: 9123

**1170** 1979  
**Ozonation in an intensive fish culture recycling system.**  
Rosenthal, H.; Otte, G.  
Ozone; science and engineering; v. 1, (4), p. 319-327. ill.  
1979. (New York: Pergamon.)  
NAL Call No.: TD461.O9  
(21 ref.)

**1171** 1979  
**POLICIES IN POLLUTION, AQUACULTURE AND  
COASTAL MANAGEMENT IN JAPAN.**  
SAKIYAMA, T.  
MARINE POLICY 3 (1), 20-39.  
Aquaculture Data Base No.: 7192

**1172** 1979  
**A PORTABLE DISSOLVED OXYGEN ANALYZER  
FOR THE FISH FARMING INDUSTRY.**  
BEN-YAAKOV, S.  
BAMIDGEH 31 (3), 69-77.  
Aquaculture Data Base No.: 7388

**1173** 1979  
**Preliminary studies on the effect of pond depth on the  
growth and feed utilization of common carp (*Cyprinus  
carpio*). Vorläufige Untersuchungen über den Einfluss  
der Teichtiefe auf Zuwachs und Futtermittelverwertung von  
Karpfen (*Cyprinus carpio*). GERMAN.**  
Proske, C.  
Bayerisches landwirtschaftliches Jahrbuch; v. 56, (5), p.  
562-564. ill. 1979. (München: BLV Verlagsgesellschaft.)  
NAL Call No.: 18 L24  
(4 ref.)

**1174** 1979  
**PRIMARY PRODUCTION OF ALGAE GROWING  
ON NATURAL AND ARTIFICIAL AQUATIC  
PLANTS: A STUDY OF INTERACTIONS BETWEEN  
EPIPHYTES AND THEIR SUBSTRATE.**

CATTANEO, A.; KALFF, J.  
 LIMNOLOGY AND OCEANOGRAPHY 24 (6),  
 1031-1037.  
 Aquaculture Data Base No.: 7245

1175 1979  
 PRINCIPLES OF WARMWATER AQUACULTURE.  
 3. NONCONSERVATIVE ASPECTS OF WATER  
 QUALITY.  
 STICKNEY, R.R.  
 PRINCIPLES OF WARMWATER AQUACULTURE.  
 JOHN WILEY & SONS, 84-128.  
 Aquaculture Data Base No.: 7407

1176 1979  
 PRINCIPLES OF WARMWATER AQUACULTURE.  
 4. CONSERVATIVE PARAMETERS OF WATER  
 QUALITY AND PHYSICAL ASPECTS OF THE  
 AQUATIC ENVIRONMENT.  
 STICKNEY, R.R.  
 PRINCIPLES OF WARMWATER AQUACULTURE.  
 JOHN WILEY & SONS, 129-160.  
 Aquaculture Data Base No.: 7408

1177 1979  
 PROCEEDINGS OF THE WORKSHOP ON  
 ESTUARINE SURVIVAL OF SALMON.  
 HADLEY, R.S.  
 UNIVERSITY OF ALASKA, SEA GRANT REPORT  
 79-10, 1-38.  
 Aquaculture Data Base No.: 8864

1178 1979  
 PRODUCTION OF AGE-0 LARGEMOUTH BASS,  
 SMALLMOUTH BASS, AND BLUEGILLS IN  
 PONDS STOCKED WITH GRASS CARP.  
 BAUR, R.J.; BUCK, D.H.; ROSE, C.R.  
 TRANSACTIONS OF THE AMERICAN FISHERIES  
 SOCIETY 108 (5), 496-498.  
 Aquaculture Data Base No.: 7048

1179 1979  
 PUBLIC HEALTH IMPLICATIONS OF ENZYME  
 HYDROLYSIS FISH PROTEIN CONCENTRATION  
 AND WASTE WATER BASED AQUACULTURE.  
 SIMON, R.D.; DISALVO, L.H.; GUARD, H.E.  
 PROCEEDINGS OF THE 10TH ANNUAL  
 MEETING, WMS, HONOLULU, HAWAII, JAN.  
 22-26, 1979, 823-839.  
 Aquaculture Data Base No.: 7989

1180 1979  
 RESOURCE RECOVERY FROM WASTEWATER  
 AQUACULTURE.  
 BAGUALL, L. O.  
 AQUACULTURE SYSTEMS FOR WASTEWATER  
 TREATMENT, SEMINAR PROCEEDINGS AND  
 ENGINEERING ASSESSMENT, EPA 430/9-80-006,  
 421-439.  
 Aquaculture Data Base No.: 9121

1181 1979  
 THE SOLAR AQUACELL SYSTEM FOR  
 PRIMARY, SECONDARY OR ADVANCED  
 TREATMENT OF WASTEWATERS.  
 STEWART, W.D.; SERFLING, S.A.

AQUACULTURE SYSTEMS FOR WASTEWATER  
 TREATMENT, SEMINAR PROCEEDINGS AND  
 ENGINEERING ASSESSMENT, EPA 430/9-80-006,  
 377-412.  
 Aquaculture Data Base No.: 9118

1182 1979  
 SOME ECOLOGICAL LIMITS TO THE USE OF  
 ALTERNATIVE SYSTEMS FOR WASTEWATER  
 MANAGEMENT.  
 KING, D.L.  
 AQUACULTURE SYSTEMS FOR WASTEWATER  
 TREATMENT, SEMINAR PROCEEDINGS AND  
 ENGINEERING ASSESSMENT, EPA 430/-80-006,  
 299-307.  
 Aquaculture Data Base No.: 9115

1183 1979  
 Studies on hydrobiological factors affecting carp  
 production (Physicochemical composition of water and  
 mud, Martinesi Fish Pond, Romania). Cercetari privind  
 factorii hidrobiologici determinanti ai perductiei  
 carpicole. RUMANIAN.  
 Ghizela, G.; Egri, L.; Dobay, R.  
 Buletinul Institutului Agronomic Cluj-Napoca; v. 33, p.  
 89-92. 1979. (Cluj-Napoca: Institutul Agronomic "Dr.  
 Petru Groza".)  
 NAL Call No.: SF1.I53  
 (7 ref.)

1184 1979  
 A STUDY OF THE RELATIVE EFFICIENCY OF  
 MUSTARD OIL CAKE AND UREA AND THE  
 EFFECT OF SALINITY IN PLANKTON  
 PRODUCTION IN INDIAN FISHPONDS.  
 GHOSH, S.R.  
 HYDROBIOLOGIA 62 (1), 89-92.  
 Aquaculture Data Base No.: 6458

1185 1979  
 TRACE CONTAMINANT ACCUMULATION BY  
 ORGANISMS GROWN IN A WASTE RECYCLING  
 AQUACULTURE SYSTEM.  
 MANN, R.; RHYTHER, J.H.  
 PROCEEDINGS OF THE 10TH ANNUAL  
 MEETING, WMS, HONOLULU, HAWAII, JAN.  
 22-26, 1979, 809-822.  
 Aquaculture Data Base No.: 7988

1186 1979  
 UTILIZATION OF SILVER AND BIGHEAD CARP  
 FOR WATER QUALITY IMPROVEMENT.  
 HENDERSON, S.  
 AQUACULTURE SYSTEMS FOR WASTEWATER  
 TREATMENT, SEMINAR PROCEEDINGS AND  
 ENGINEERING ASSESSMENT, EPA 430/9-80-006,  
 309-350.  
 Aquaculture Data Base No.: 9116

1187 1979  
 VENTURE ANALYSES FOR A PROPOSED  
 COMMERCIAL WASTE HEAT AQUACULTURE  
 FACILITY.  
 GUERRA, C.R.; RESH, R.E.; GODFRIAUX, B.L.;  
 STEPHENS, C.A.  
 PROCEEDINGS OF THE 10TH ANNUAL  
 MEETING, WMS, HONOLULU, HAWAII,  
 JAN.22-26, 1979, 28-38.  
 Aquaculture Data Base No.: 7914

1188 1979



Water hyacinth (*Eichhornia crasipes* (Mart.) Solms)--an aquatic problem or a future water plant? (Use in wastewater treatment, energy source). La jacinthe d'eau (*Eichhornia crassipes* (Mart.) Solms)--fleur aquatique ou hydrophyte d'avenir. FRENCH.

Francois, J.

Annales de Gembloux; v. 85, (2), p. 73-81. Second Quarter 1979. (Gembloux: Association des ingenieurs de la Faculte des sciences agronomiques.)

NAL Call No.: 13 G28

(26 ref.)

1189 1979  
A WATER HYACINTH ADVANCED WASTEWATER TREATMENT SYSTEM.

SWETT, D.

AQUACULTURE SYSTEMS FOR WASTEWATER TREATMENT, SEMINAR PROCEEDINGS AND ENGINEERING ASSESSMENT; EPA 430/9-80-006, 233-255.

Aquaculture Data Base No.: 9112

1190 1979  
WATER HYACINTH WASTEWATER TREATMENT SYSTEM AT DISNEY WORLD.

KRUZIC, A.P.

AQUACULTURE SYSTEMS FOR WASTEWATER TREATMENT, SEMINAR PROCEEDINGS AND ENGINEERING ASSESSMENT, EPA 430/9-80-006, 257-271.

Aquaculture Data Base No.: 9113

1191 1979  
Water quality in warmwater fish ponds.

Boyd, Claude E.

Auburn, Ala: Auburn University, Agricultural Experiment Station; c1979. vii, 359 p.: ill.; 23 cm.

NAL Call No.: SH154.B69

Includes index.

(Bibliography: p. (281)-297.)

1192 1979  
WATER QUALITY MANAGEMENT IN POND FISH CULTURE.

BOYD, C.E.; LICHTKOPPLER, F.

AUBURN UNIVERSITY, AGRICULTURAL EXPERIMENT STATION, RESEARCH AND DEVELOPMENT SERIES NO. 22, 1-30.

Aquaculture Data Base No.: 6989

1193 1979  
WATER QUALITY OF ALABAMA TROUT CULTURE PONDS WITHOUT FLOWING WATER.

HALVERSON, C.J.

AUBURN UNIVERSITY. MASTERS THESIS, 1-62.

Aquaculture Data Base No.: 6981

1194 1979  
WHY IS CALIFORNIA INTERESTED IN AQUACULTURE.

MANGHAN, W.D.

AQUACULTURE SYSTEMS FOR WASTEWATER TREATMENT, SEMINAR PROCEEDINGS AND ENGINEERING ASSESSMENT, EPA 430/9-80-006, 19-21.

Aquaculture Data Base No.: 9106

1978

1195 1978  
ABUNDANT SUPPLY OF CLEAN WATER IS ABSOLUTELY ESSENTIAL FOR COMMERCIAL FISH FARMING.

MARTIN, M.

THE COMMERCIAL FISH FARMER AND AQUACULTURE NEWS 4 (4), 15-18, 33.

Aquaculture Data Base No.: 4759

1196 1978  
AMMONIA A LIMITING FACTOR IN FISH PRODUCTION.

AVAVULT, J.W., JR.

THE COMMERCIAL FISH FARMER AND AQUACULTURE NEWS 4 (4), 46-47.

Aquaculture Data Base No.: 4760

1197 1978  
AQUACULTURE USING CONTROLLED ENVIRONMENT ECOSYSTEMS.

SERFLING, S.; MENDOLA, D.

THE COMMERCIAL FISH FARMER AND AQUACULTURE NEWS 4 (6), 15-18.

Aquaculture Data Base No.: 4909

1198 1978  
AUTOTROPHIC AND HETEROTROPHIC PRODUCTION OF MICROORGANISMS IN INTENSELY-MANURED FISH PONDS, AND RELATED FISH YIELDS.

SCHROEDER, G.L.

AQUACULTURE 14 (4), 303-325.

Aquaculture Data Base No.: 4999

1199 1978  
Bivalvular mollusks: production and hygiene and sanitary control. I molluschi bivalvi : produzione e controllo igienico sanitario : atti del I Incontro sulle risorse marine : Cesenatico, 31 maggio 1974. ITALIAN.

Viviani, Romano.; Cortesi, Paolo.; Mancini, Lanfranco.

AQ06PM: Consorzio per il Centro universitario di studi e ricerche sulle risorse biologiche marine; 1978. 201 p.: ill.; 24 cm.

NAL Call No.: SH367.I8152 1974

(Includes bibliographies.)

1200 1978  
Changes in the composition of fish fauna in the Federal Republic of Germany. Bestandsanderungen der Fischfauna in der Bundesrepublik Deutschland : Ursachen, Zustand und Schutzmassnahmen. GERMAN.

Bless, Rudiger.

Greven: Kilda-Verlag; 1978. 66 p.: 15 ill.; 21 cm.

NAL Call No.: QL633.G3B58

Includes indexes.

(Bibliography: p. 56-59.)

1201 1978  
COMPETITIVE INTERACTION BETWEEN CHONDRUS CRISPUS (FLORIDEOPHYCEAE) AND ULVA LACTUCA (CHLOROPHYCEAE) IN CHONDRUS AQUACULTURE.

ENRIGHT, C.T.

PROCEEDINGS OF THE NINTH  
INTERNATIONAL SEAWEED SYMPOSIUM.  
SANTA BARBARA, CALIFORNIA, AUGUST 20-27,  
1977. 209-218.  
Aquaculture Data Base No.: 7097

1202 1978  
DISEASONAL THERMAL AQUACULTURE - - 1.  
EFFECT OF TEMPERATURE AND DISSOLVED  
OXYGEN ON SURVIVAL AND GROWTH OF  
MACROBRACHIUM ROSENBERGII.  
FARMANFARMAIAN, A.; MOORE, R.  
PROCEEDINGS OF THE NINTH ANNUAL  
WORKSHOP WORLD MARICULTURE SOCIETY.  
ATLANTA, GEORGIA. 55-66.  
Aquaculture Data Base No.: 6483

1203 1978  
Ecology of freshwater fish production.  
Gerking, Shelby D; 1918- .  
Oxford : Blackwell Scientific Publications,. 1978. xiv, 520  
p. : ill. ; 24 cm.  
NAL Call No.: QL618.3.E22  
(Includes bibliographies and indexes.)

1204 1978  
EFFECTS OF GRASS CARP AND CARP ON  
POPULATIONS OF BLUEGILL AND  
LARGEMOUTH BASS IN PONDS.  
FORESTER, T. S.; LAWRENCE, J. M.  
TRANSACTIONS OF THE AMERICAN FISHERIES  
SOCIETY 107 (1), 172-175.  
Aquaculture Data Base No.: 4378

1205 1978  
EFFECTS OF GRASS CARP ON FRESHWATER  
RED SWAMP CRAWFISH IN PONDS.  
FORESTER, J.S.; AVAULT, J.W., JR.  
TRANSACTIONS OF THE AMERICAN FISHERIES  
SOCIETY 107 (1), 156-160.  
Aquaculture Data Base No.: 4376

1206 1978  
Environmental impact of the white amur  
(*Ctenopharyngodon idella* val.) on some Georgia ponds.  
Terrell, Terry Lee Tickhill,  
Ann Arbor, Mich: University Microfilms International;  
1978. viii, 113 leaves.  
NAL Call No.: DISS 76-29,568  
Facsimile produced by microfilm-xerography.  
Thesis--University of Georgia, 1976.  
(Bibliography: leaves 36-39.)

1207 1978  
EVALUATION OF BIOLOGICAL CONTROL OF  
NUISANCE AQUATIC VEGETATION BY GRASS  
CARP.  
MITZNER, L.  
TRANSACTIONS OF THE AMERICAN FISHERIES  
SOCIETY 107 (1), 135-145.  
Aquaculture Data Base No.: 4372

1208 1978  
AN EVALUATION OF THE FILTER FEEDING  
FISHES, SILVER AND BIGHEAD CARP, FOR  
WATER QUALITY IMPROVEMENT.  
HENDERSON, S.

SYMPOSIUM ON CULTURE OF EXOTIC FISHES.  
FISH CULTURE SECTION, AMERICAN FISHERIES  
SOCIETY. AUBURN, ALABAMA. 121-136.  
Aquaculture Data Base No.: 4672

1209 1978  
FISH FARMS ARE HAVING TO WATCH THEIR  
WASTE.  
WARRER-HANSEN, I.  
FISH FARMING INTERNATIONAL 5 (3), 19.  
Aquaculture Data Base No.: 4992

1210 1978  
THE HYDROLYSIS OF AMMONIUM IONS IN  
SEA WATER - EXPERIMENTAL CONFIRMATION  
OF PREDICTED CONSTANTS OF ONE  
ATMOSPHERIC PRESSURE.  
WHITFIELD, M.  
JOURNAL OF THE MARINE BIOLOGICAL  
ASSOCIATION OF THE UNITED KINGDOM 58 (3),  
781-787.  
Aquaculture Data Base No.: 7207

1211 1978  
LARGE-SCALE OPERATIONS MANAGEMENT  
TEST OF THE USE OF THE WHITE AMUR TO  
CONTROL AQUATIC PLANTS.  
THERIOT, R.F.; DECELL, J.L.  
SYMPOSIUM ON CULTURE OF EXOTIC FISHES.  
FISH CULTURE SECTION, AMERICAN FISHERIES  
SOCIETY. AUBURN, ALABAMA. 220-229.  
Aquaculture Data Base No.: 4661

1212 1978  
A MATHEMATICAL MODEL FOR PRAWN  
GROWTH IN EARTHEN PONDS.  
POLOVINA, J.  
UNIVERSITY OF HAWAII. DEPARTMENT OF  
GENETICS, 1-17.  
Aquaculture Data Base No.: 4657

1213 1978  
Measuring long-term changes in the fall chinook  
population in Elk River.  
Reimers, Paul E.  
Corvallis: Oregon Dept. of Fish and Wildlife, Research  
and Development Section; 1978. 17 p.: ill.  
NAL Call No.: SH1.I55 No.78-5  
(Information report series, fisheries ; no. 78-5)  
(Bibliography: p. 14.)

1214 1978  
The need for research on the estuarine ecology of  
juvenile fall chinook salmon.  
Reimers, Paul E.  
Corvallis: Oregon Dept. of Fish and Wildlife, Research  
and Development Section; 1978. 10 leaves.  
NAL Call No.: SH1.I55 No.78-4  
(Information report series, fisheries ; no. 78-4)

1215 1978  
A POPULATION DYNAMICS MODEL FOR  
PRAWN AQUACULTURE.  
POLOVINA, J.; BROWN, H.  
PROCEEDINGS OF THE NINTH ANNUAL  
WORKSHOP WORLD MARICULTURE SOCIETY.  
ATLANTA, GEORGIA. 393-404.  
Aquaculture Data Base No.: 6510

1216 1978



ECOLOGY AND ENVIRONMENT

POPULATION STRUCTURE OF MALAYSIAN PRAWNS, *MACROBRACHIUM ROSENBERGII* (DE MAN), REARED IN EARTHEN PONDS IN SOUTH CAROLINA, 1974-1976.

SMITH, T.I.J.; SANDIFER, R.A.; SMITH, M.H. PROCEEDINGS OF THE NINTH ANNUAL WORKSHOP WORLD MARICULTURE SOCIETY. ATLANTA, GEORGIA. 21-37. Aquaculture Data Base No.: 6486

1217 1978

POWER PLANT WASTE HEAT UTILIZATION IN AQUACULTURE. APPENDIX VIII. II. DISEASONAL THERMAL AQUACULTURE-1. EFFECT OF TEMPERATURE AND DISSOLVED OXYGEN ON SURVIVAL AND GROWTH OF *MACROBRACHIUM ROSENBERGII*. III. PRELIMINARY REPORT ON AMINO ACID SUPPLEMENTATION OF COMMERCIAL FEED OF THE GIANT SHRIMP, *MACROBRACHIUM ROSENBERGII*.

FARMANFARMAIAN, A.; LAUTERIO, T.; TEJADA, G.; MANGER, K.; MOORE, R.; PARK, H. PUBLIC SERVICE ELECTRIC AND GAS CO. RESEARCH AND DEVELOPMENT DEPARTMENT. SEMI-ANNUAL REPORT 3. NSF/RANN GRANT NO. ENV 76-19854 A03. 1-46. Aquaculture Data Base No.: 6126

1218 1978

Pre-treatment of fish culture wastewater for nitrification [Water reuse].

Lomax, K M; Wheaton, F W. *Trans ASAE (Am Soc Agric Eng)*. 21 (1): 197-200. Ref. Jan/Feb 1978. ) NAL Call No.: 290.9 AM32T

1219 1978

RIVER POLLUTION FROM A LARGE TROUT FARM IN NORWAY.

BERGHEIM, A.; SELMER-OLSEN, A.R. *AQUACULTURE* 14 (3), 267-270. Aquaculture Data Base No.: 4736

1220 1978

Thermal wastes of nuclear centers: their applications in agriculture, silviculture and fish farming. Les rejets thermiques des centrales nucleaires: leurs applications en agriculture, en sylviculture et en pisciculture. FRE. Grauby, A.

*Agriculture (Paris)*. 416: 70-74. Feb 1978. ) NAL Call No.: 14 AG823

1221 1978

UTILIZATION OF SWINE MANURE IN A POLYCULTURE OF ASIAN AND NORTH AMERICAN FISHES.

BUCK, D. H.; BAUR, R. J.; ROSE, C. R. *TRANSACTIONS OF THE AMERICAN FISHERIES SOCIETY* 107 (1), 216-222. Aquaculture Data Base No.: 4383

1222 1978

WASTE HEAT UTILIZATION FOR AGRICULTURE AND AQUACULTURE. STATE OF THE ART. SECTION 2. INTERFACING BETWEEN POWER PLANTS AND WASTE HEAT UTILIZATION SYSTEMS.

SNIPES, R.L.; PILE, R.S.

TENNESSEE VALLEY AUTHORITY AND ELECTRIC POWER RESEARCH INSTITUTE, 1-21. Aquaculture Data Base No.: 6060

1223 1978

WATER QUALITY FOR AQUACULTURE. GLUDE, J.B.

THE COMMERCIAL FISH FARMER AND AQUACULTURE NEWS 4 (4), 12-14, 31. Aquaculture Data Base No.: 4837

1977

1224 1977

BIVALVE MOLLUSC CULTURE IN A WASTE RECYCLING AQUACULTURE SYSTEM. 2. A NOTE ON THE EFFECT OF TEMPERATURE AND ENRICHMENT ON SPECIES COMPETITION IN MASS CULTURES OF MARINE PHYTOPLANKTON.

MANN, R. WOODS HOLE OCEANOGRAPHIC INSTITUTION, WHOI-77-59. UNPUBLISHED MANUSCRIPT. 8P. Aquaculture Data Base No.: 6160

1225 1977

THE ECOLOGICAL EFFECTIVENESS OF FISH CULTURE.

SERGEYEV, Y.S. RYBNOYE KHOZYAYSTVO 53 (1), 20-23. (ENGLISH TRANSLATION FROM RUSSIAN BY LANGUAGE SERVICES BRANCH, NMFS, NOAA, 6P.).

Aquaculture Data Base No.: 6917

1226 1977

A FRESH WATER WASTE RECYCLING AQUACULTURE SYSTEM.

RYTHER, J.H.; WILLIAMS, L.L.; KNEALE, D.C. *FLORIDA SCIENTIST* 40 (2), 130-135. Aquaculture Data Base No.: 4239

1227 1977

FULL INFORMATION NEEDED ON USE OF CHEMICALS IN AQUACULTURE.

HUDSON, S. THE COMMERCIAL FISH FARMER AND AQUACULTURE NEWS 3 (2), 36-37. Aquaculture Data Base No.: 3317

1228 1977

HYDROLOGICAL STUDIES OF MATSUSHIMA BAY FOR ASSESSMENT OF RECLAMATION OF AQUACULTURE ENVIRONMENT.

WATANABE, T. PROCEEDINGS OF THE THIRD JAPAN-SOVIET JOINT SYMPOSIUM ON AQUACULTURE, NOV. 1974, TOKYO, JAPAN, 21-37. (IN JAPANESE WITH ENGLISH ABSTRACT).

Aquaculture Data Base No.: 6301

1229 1977

The importance of three habitat types to rainbow trout (*Salmo gairdneri*) in Sand Springs Creek, Idaho. Burns, David.

Ann Arbor, Mich: University Microfilms International;  
1977. ix, 57 leaves.

NAL Call No.: DISS 76-8,315

Facsimile produced by microfilm-xerography.  
Thesis--University of Idaho, 1975.  
(Bibliography: leaves 54-57.)

1230 1977  
INTEGRATION OF THERMAL AND FOOD  
PROCESSING RESIDUALS INTO A SYSTEM FOR  
COMMERCIAL CULTURE OF FRESHWATER  
SHRIMP (POWER PLANT WASTE HEAT  
UTILIZATION IN AQUACULTURE). VOL.III.  
FARMANFARMAIAN, A.  
PUBLIC SERVICE ELECTRIC AND GAS CO.  
RESEARCH AND DEVELOPMENT DEPARTMENT.  
FINAL REPORT. NSF/RANN GRANT NO.S AEN  
74-14079 A01, GI-43925. 3, 1-129.  
Aquaculture Data Base No.: 4652

1231 1977  
MANAGEMENT OF WEEDY LAKES AND PONDS  
WITH GRASS CARP.  
ROTTMANN, R.  
FISHERIES. BULLETIN OF THE AMERICAN  
FISHERIES SOCIETY. 2 (5), 8-14.  
Aquaculture Data Base No.: 4081

1232 1977  
A MASSIVE KILL OF POND-REARED  
MACROBRACHIUM ROSENBERGII.  
GREEN, J.P.; RICHARDS, T.L.; SINGH, T.  
AQUACULTURE 11 (3), 263-272.  
Aquaculture Data Base No.: 4247

1233 1977  
A MATHEMATICAL MODEL OF THE  
ACCUMULATION OF RADIONUCLIDES BY  
OYSTERS (C. VIRGINICA) AQUACULTURED IN  
THE EFFLUENT OF A NUCLEAR POWER  
REACTOR TO INCLUDE MAJOR BIOLOGICAL  
PARAMETERS.  
HESS, C.T.; SMITH, C.W.; PRICE, A.H.  
HEALTH PHYSICS 33, 121-130.  
Aquaculture Data Base No.: 4281

1234 1977  
Microbiological studies on nitrogen cycle in aquatic  
environments. 3. Metabolic rate of ammonium nitrogen  
in aerated fish culture ponds.  
Kawai, A; Sugiyama, M.  
*Bull Res Inst Food Sci Kyoto Univ.* 40: 1-6. Mar 1977.  
)  
NAL Call No.: 389.9 K99R

1235 1977  
POWER PLANT WASTE HEAT UTILIZATION IN  
AQUACULTURE. FIRST ANNUAL REPORT.  
APPENDIX VI.  
FARMANFARMAIAN, A.  
PUBLIC SERVICE ELECTRIC AND GAS  
COMPANY. RESEARCH AND DEVELOPMENT  
DEPARTMENT. NSF/RANN GRANT NO. ENV  
76-19854 A01, I-XI, 1-45.  
Aquaculture Data Base No.: 6050

1236 1977  
PRODUCTION PROCESS AT VARIOUS  
STRUCTURAL LEVELS OF POPULATION  
ORGANIZATION.  
GOLIKOV, A.N.

OCEANOLOGY 16 (6), 622-629.  
Aquaculture Data Base No.: 7319

1237 1977  
PRODUCTIVITY AND NITROGEN BALANCE IN  
LARGE SCALE PHYTOPLANKTON CULTURES.  
D'ELIA, C.F.; RYTHER, J.H.; LOSORDO, T.M.  
WATER RESEARCH 11 (12), 1031-1040.  
Aquaculture Data Base No.: 4817

1238 1977  
SOLID-STATE ENVIRONMENTAL CONTROLLER  
FOR AQUACULTURE SYSTEMS (SECAS).  
RIBAKOFF, S.; PELTON, C.  
THE PROGRESSIVE FISH-CULTURIST 39 (3),  
109-111.  
Aquaculture Data Base No.: 4300

1239 1977  
Swine waste recycling via carp production in western  
Oregon ponds.  
Cheeke, P R; Bond, C E; George, P B; England, D C.  
*Proc West Sect Am Soc Anim Sci.* 28: 97-98. 1977. )  
NAL Call No.: 389.9 AM31

1240 1977  
WATER QUALITY - TILAPIA AUREA  
INTERACTIONS IN PONDS RECEIVING SWINE  
AND POULTRY WASTES.  
STICKNEY, R.R.; ROWLAND, L.O.; HESBY, J.H.  
PROCEEDINGS OF THE EIGHTH ANNUAL  
WORKSHOP WORLD MARICULTURE SOCIETY,  
SAN JOSE, COSTA RICA. 23P.  
Aquaculture Data Base No.: 3357

1241 1977  
5. CULTIVATION OF ANIMALS. 5.1 RESEARCH  
CULTIVATION (1) INTRODUCTION.  
KINNE, O.  
MARINE ECOLOGY. A COMPREHENSIVE,  
INTEGRATED TREATISE ON LIFE IN OCEANS  
AND COASTAL WATERS. VOL. III, PART 2,  
579-584.  
Aquaculture Data Base No.: 7264

1242 1977  
5. CULTIVATION OF ANIMALS. 5.1 RESEARCH  
CULTIVATION (10) CRUSTACEA.  
KINNE, O.  
MARINE ECOLOGY. A COMPREHENSIVE,  
INTEGRATED TREATISE ON LIFE IN OCEANS  
AND COASTAL WATERS. VOL. III, PART 2,  
742-884.  
Aquaculture Data Base No.: 7273

1976

1243 1976  
Algae in copper treated fish ponds [Biomass and specific  
composition].  
Januszko, M.  
*Pol Arch Hydrobiol.* 23 (1): 95-103. Ref. 1976. )  
NAL Call No.: 409.6 P76

1244 1976  
Aquaculture as an alternative wastewater treatment  
system.  
Carpenter, R L; Coleman, M S; Jarman, R.



ECOLOGY AND ENVIRONMENT

*In Biological Control of Water Pollution. J. Tourbier & R. W. Pierson, Jr., eds. p. 215-224. Ref. 1976. .)*  
NAL Call No.: TD429.B5

1245 1976  
THE BIOLOGICAL FEASIBILITY OF RAISING BAIT-SIZED RED SWAMP CRAWFISH, PROCAMBARUS CLARKII (GIRARD), IN LOUISIANA.  
HUNER, J.V.  
DISSERTATION ABSTRACTS INTERNATIONAL 36 (7), 2P.  
Aquaculture Data Base No.: 3915

1246 1976  
BIOMASS PRODUCTION AND WASTE RECYCLING WITH BLUE-GREEN ALGAE.  
BENEMANN, J.R.; KOOPMAN, B.; WEISSMAN, J.; OSWALD, W.J.  
SEMINAR ON MICROBIAL ENERGY CONVERSION. GOTTINGEN, FEDERAL REPUBLIC OF GERMANY, OCTOBER 4-8, 1976. 399-412.  
Aquaculture Data Base No.: 6183

1247 1976  
Cadmium accrual in combined wastewater treatment-aquaculture system [Algae].  
Kerfoot, W B; Jacobs, S A.  
*Environ Sci Tech.* 10 (7): 662-667. Ref. July 1976. .)  
NAL Call No.: TD420.A1E5

1248 1976  
COMBINED ALGAE PRODUCTION - WASTEWATER TREATMENT AND RECLAMATION SYSTEMS.  
SHELEF, G.; MORAINÉ, R.; MEYDAN, A.; SANDBANK, E.  
SEMINAR ON MICROBIAL ENERGY CONVERSION. GOTTINGEN, FEDERAL REPUBLIC OF GERMANY, OCTOBER 4-8, 1976. 427-442.  
Aquaculture Data Base No.: 6182

1249 1976  
COMPARISONS OF GROWTH AND SURVIVAL OF CHANNEL CATFISH, ICTALURUS PUNCTATUS, FROM DISTINCT POPULATIONS.  
GREEN, O.L.; SMITHERMAN, R.O.; PARDUE, G.B.  
FAO TECHNICAL CONFERENCE ON AQUACULTURE. FIR/AQ/CONF/76/E.48. 4P.  
Aquaculture Data Base No.: 2856

1250 1976  
CULTIVATION OF MARINE ORGANISMS. WATER QUALITY.  
KINNE, O.  
MARINE ECOLOGY II. PAGES 19-300. JOHN WILEY AND SONS, LTD., LONDON.  
Aquaculture Data Base No.: 2743

1251 1976  
DEPOSITION OF DIELDRIN IN FOUR COMPONENTS OF TWO ARTIFICIAL AQUATIC SYSTEMS AND A FARM POND.  
LORIO, W.J.; JENKINS, J.H.; AUISH, M.T.

TRANSACTIONS OF THE AMERICAN FISHERIES SOCIETY 105 (6), 695-699.  
Aquaculture Data Base No.: 4288

1252 1976  
ECOLOGY, RESOURCE REHABILITATION, AND FUNGAL PARASITOLOGY OF COMMERCIAL OYSTERS, CRASSOSTREA VIRGINICA (GMELIN), IN PENSACOLA ESTUARY, FLORIDA.  
LITTLE, E.J.; QUICK, J.A., JR.  
FLORIDA DEPARTMENT OF NATURAL RESOURCES, MARINE RESEARCH PUBLICATION 21, 89P.  
Aquaculture Data Base No.: 3363

1253 1976  
Economic assessment of waste water aquaculture treatment systems.  
Henderson, Upton B.  
Ada, Okla. : Environmental Protection Agency, Office of Research and Development, Robert S. Kerr Environm. Res. Lab., 1976. xi, 106 p. -  
NAL Call No.: TD172.E57 No.76-293  
(Environmental protection technology series ; EPA-600/2-76-293)  
(Grant no. R803623. Bibliography: p. 85-90.)

1254 1976  
EFFECTS OF CHEMICALS IN THERMAL EFFLUENT ON HOMARUS AMERICANUS MAINTAINED IN AQUACULTURE.  
DORBAND, W.R.; VAN OLST, J.C.; CARLBERG, J.M.; FORD, R.F.  
PROCEEDINGS OF THE SEVENTH ANNUAL WORKSHOP WORLD MARICULTURE SOCIETY. SAN DIEGO, CALIFORNIA. 20P.  
Aquaculture Data Base No.: 2459

1255 1976  
FORAMINIFERA IN BRACKISH-WATER PONDS DESIGNED FOR WASTE CONTROL AND AQUACULTURE STUDIES IN NORTH CAROLINA.  
LEFURGEY, A.; ST. JEAN, J., JR.  
JOURNAL OF FORAMINIFERAL RESEARCH 6 (4), 274-294. UNIVERSITY OF NORTH CAROLINA SEA GRANT REPRINT NO. 111.  
Aquaculture Data Base No.: 4732

1256 1976  
Harvesting polluted waters ;; Waste heat and nutrient-loaded effluents in the aquaculture.  
Devik, O.  
New York : Plenum Press., c1976. xi, 324 p. : ill. ; 24 cm. -  
NAL Call No.: SH135.H37  
(Environmental science research ; v. 8)  
(Proceedings of a workshop sponsored by the Special Program Panel on Eco-Sciences of the NATO Science Committee. Includes bibliographies and index.)

1257 1976  
IMPLICATIONS OF TRANSPLANTATIONS TO AQUACULTURE AND ECOSYSTEMS.  
ROSENTHAL, H.  
FAO TECHNICAL CONFERENCE ON AQUACULTURE, FIR/AQ/CONF/76/E67. 19P.  
Aquaculture Data Base No.: 2919

1258 1976  
IN SITU MORPHOLOGY OF NITRIFYING-LIKE BACTERIA IN AQUACULTURE SYSTEMS.

JOHNSON, P.W.; SIEBURTH, J.M.  
 APPLIED AND ENVIRONMENTAL  
 MICROBIOLOGY 31 (3), 423-432.  
 Aquaculture Data Base No.: 3116

1259 1976  
 INTRODUCTION TO VOLUME III.  
 KINNE, O.  
 MARINE ECOLOGY, VOL. 3, PT. 1. PAGES 1-17.  
 JOHN WILEY AND SONS, LONDON.  
 Aquaculture Data Base No.: 2780

1260 1976  
 Liming farm fish ponds.  
 Boyd, C E.  
*Leafl Agric Exp Stn Auburn Univ.* 91, 7 p. Map. Apr  
 1976. .)  
 NAL Call No.: 100 AL1S (3)

1261 1976  
 MARICULTURE - ECOLOGICAL AND GENETIC  
 ASPECTS OF PRODUCTION.  
 CALAPRICE, J.R.  
 JOURNAL OF THE FISHERIES RESEARCH  
 BOARD OF CANADA 33 (4), 1068-1087.  
 Aquaculture Data Base No.: 2878

1262 1976  
 MARINE POLYCULTURE BASED ON NATURAL  
 FOOD CHAINS AND RECYCLED WASTES.  
 RYTHER, J.H.  
 WOODS HOLE OCEANOGRAPHIC INSTITUTION,  
 WHOI-76-92, 1-19. SEA GRANT NO. 04-6-158-44016.  
 NTIS PB-261 939.  
 Aquaculture Data Base No.: 4878

1263 1976  
 A MODEL FOR ESTIMATING PRAWN  
 POPULATIONS IN PONDS.  
 HUANG, W.Y.; WANG, J.K.; FUJIMURA, T.  
 AQUACULTURE 8 (1), 57-70.  
 Aquaculture Data Base No.: 2926

1264 1976  
 OPTIMUM ZOOPLANKTON BIOMASS IN FISH  
 PONDS.  
 YESIPOVA, M. A.; SOLOV'YEVA, L. M.;  
 GLAZACHEVA, I. V.  
 HYDROBIOLOGICAL JOURNAL 12 (2), 52-53.  
 Aquaculture Data Base No.: 4335

1265 1976  
 PHYTOPLANKTON RESPONSE TO  
 WASTE-WATER NUTRIENT ENRICHMENT IN  
 CONTINUOUS CULTURE.  
 GOLDMAN, J.C.  
 JOURNAL OF EXPERIMENTAL MARINE  
 BIOLOGY AND ECOLOGY 23 (1), 31-43.  
 Aquaculture Data Base No.: 2785

1266 1976  
 PRELIMINARY BACTERIOLOGICAL  
 EXPERIENCES WITH WASTE  
 WATER-FERTILIZED MARINE FISH PONDS,  
 HUMBOLDT BAY, CALIFORNIA.  
 ALLEN, G.H; BUSCH, A.; MORTON, W.

FAO TECHNICAL CONFERENCE ON  
 AQUACULTURE. FIR/AQ/CONF/76/E.59. 12P.  
 Aquaculture Data Base No.: 2810

1267 1976  
 RECYCLING OF WASTES THROUGH  
 AQUACULTURE AND CONSTRAINTS TO WIDER  
 APPLICATION.  
 ALLEN, G.H.; HEPHER, B.  
 FAO TECHNICAL CONFERENCE ON  
 AQUACULTURE. FIR/AQ/CONF/76/R.19. 18P.  
 Aquaculture Data Base No.: 2650

1268 1976  
 RELATION OF LARGEMOUTH BASS  
 REPRODUCTION TO CROWDED SUNFISH  
 POPULATIONS IN FLORIDA PONDS.  
 BARWICK, D.H.; HOLCOMB, D.E.  
 TRANSACTIONS OF THE AMERICAN FISHERIES  
 SOCIETY 105 (2), 244-246.  
 Aquaculture Data Base No.: 2885

1269 1976  
 SPECIES COMPOSITION OF THE  
 ZOOPLANKTON IN UKRAINIAN  
 FISH-FATTENING PONDS WITH DIFFERENT  
 FISH STOCKING DENSITIES.  
 KRAZHAN, S. A.; KHARITONOVA, N. N.;  
 BEN'KO, K. I.; ISAYEVA, S. A.; MIKULINA, N. M.;  
 KOKORINA, Z.G.  
 HYDROBIOLOGICAL JOURNAL 12 (5), 22-29.  
 Aquaculture Data Base No.: 4349

1270 1976  
 THE SUITABILITY OF MAINE WATERS FOR  
 CULTURING AMERICAN AND EUROPEAN  
 OYSTERS, CRASSOSTREA VIRGINICA GMELIN  
 AND OSTREA EDULIS L.  
 PACKIE, R.; HIDU, H.; RICHMOND, M.S.  
 UNIVERSITY OF MAINE. SEA GRANT  
 PUBLICATION TR-10-76, 30P. IRA C. DARLING  
 CENTER FOR RESEARCH, REFERENCE NO.  
 76-14.  
 Aquaculture Data Base No.: 3718

1271 1976  
 TEMPERATURE INFLUENCED SPECIES  
 COMPETITION IN MASS CULTURE OF MARINE  
 PHYTOPLANKTON.  
 GOLDMAN, J.C.; RYTHER, J.H.  
 BIOTECHNOLOGY AND BIOENGINEERING 18,  
 1125-1144.  
 Aquaculture Data Base No.: 3652

1272 1976  
 UTILIZATION OF HEATED DISCHARGE WATER  
 FROM ELECTRIC POWER PLANTS IN  
 AQUACULTURE.  
 TANAKA, J.  
 FAO TECHNICAL CONFERENCE ON  
 AQUACULTURE. FAO/AQ/CONF/76/E.18. 7P.  
 Aquaculture Data Base No.: 2664

1273 1976  
 WASTE HEAT UTILIZATION FROM THERMAL  
 POWER PLANTS IN NEW YORK STATE.  
 BUCHWALD, A.



SEA GRANT LAW JOURNAL 1, 211-254.  
Aquaculture Data Base No.: 7531

1975

1274 1975  
THE ADVANTAGES AND LIMITATIONS OF USING COPPER MATERIALS IN MARINE AQUACULTURE.  
HUGUENIN, J.E.; ANSUINI, F.J.  
IEEE OCEAN 75 CONFERENCE RECORD, 444-453.  
Aquaculture Data Base No.: 4586

1275 1975  
BENEFICIAL USE OF THERMAL EFFLUENT IN LOBSTER CULTURE.  
FORD, R.F.; VAN OLST, J.C.; CARLBERG, J.M.; DORBAND, W.R.; JOHNSON, R.L.  
PROCEEDINGS OF THE SIXTH ANNUAL WORKSHOP WORLD MARICULTURE SOCIETY, SEATTLE, WASHINGTON, 509-519.  
Aquaculture Data Base No.: 3141

1276 1975  
Chemical composition of pond soils of the Stawno Fishery Farm in the State Fishery Complex at Milicz. Skład chemiczny gleb stawowych Gospodarstwa Rybackiego Stawno, PGRybnego Milicz. POL. Stangenberg-Oporowska, K; Solski, A. *Acta Hydrobiol.* 17 (2): 183-199. 1975. .)  
NAL Call No.: 409.6 AC8

1277 1975  
CRAMPED CONDITION IN POND-REARED SHRIMP.  
JOHNSON, S.K.; FERREIRA DE SOUZA, T.P.  
FISH DISEASE DIAGNOSTIC LABORATORY, FDDL-S6, 2P.  
Aquaculture Data Base No.: 3679

1278 1975  
Development document for effluent limitations guidelines and new source performance standards for the fish meal, salmon, bottom fish, clam, oyster, sardine, scallop, herring, and abalone segment of the canned and preserved fish and seafood processing industry point source category.  
Forsht, Elwood H.  
Washington : U.S. Environmental Protection Agency, 1975. xxiv, 485 p. : ill. ; 27 cm. -.  
NAL Call No.: TD899.F57U5  
(U.S. Environmental Protection Agency. SEPA ; 440/1-75/041A Group I, Phase II)  
(Includes bibliographical references.)

1279 1975  
ECOLOGY, UTILIZATION, AND MANAGEMENT OF MARINE FISHES. COMMERCIAL CULTURE OF MARINE ORGANISMS 16. MARICULTURE. ROUNSEFELL, G.A.  
ECOLOGY, UTILIZATION AND MANAGEMENT OF MARINE FISHES. THE C.V. MOSBY COMPANY, 301-314.  
Aquaculture Data Base No.: 7858

1280 1975  
EFFECT OF SALINITY ON GROWTH AND SURVIVAL OF PENAEID SHRIMP IN PONDS.  
HYSMITH, B.T.; COLURA, R.L.

TEXAS PARKS AND WILDLIFE DEPARTMENT, PALACIOS, TEXAS. PROJECT 2-252-R. PL 88-309. 31P.  
Aquaculture Data Base No.: 2488

1281 1975  
Effects of agricultural limestone on water chemistry, phytoplankton productivity, and fish production in soft water ponds.  
Arce, R G; Boyd, C E.  
*Trans Am Fish Soc.* 104 (2): 308-312. Ref. Apr 1975. .)  
NAL Call No.: 414.9 AM3

1282 1975  
EFFECTS OF WATERHYACINTH COVER ON WATER CHEMISTRY, PHYTOPLANKTON, AND FISH IN PONDS.  
MCVEA, C.; BOYD, C.E.  
JOURNAL OF ENVIRONMENTAL QUALITY 4 (3), 375-378.  
Aquaculture Data Base No.: 4090

1283 1975  
Experience of purification of swine manure sewage in fish breeding and biologic ponds [Water pollution]. RUS. Koltypin, IU A; Ernst, L K; Tarasov, E A; Ivanov, A A; Fedorenko, V I; Koltypina, V V; Ivanov, A N. *Biull Nauchn Rabot Vses Nauchno-Issled Inst Zhivotnovod.* 44: 69-76. 1975. .)  
NAL Call No.: SF1.V73

1284 1975  
GROWTH AND MORTALITY OF TWO GROUPS OF OYSTERS, (CRASSOSTREA VIRGINICA GMELIN), MAINTAINED IN COOLING WATER AT AN ESTUARINE ELECTRIC POWER GENERATING STATION.  
GILMORE, G.H; RAY, S.M.; ALDRICH, D.V.  
TEXAS A AND M UNIVERSITY. SEA GRANT COLLEGE. TAMU-SG-75-207. 67P.  
Aquaculture Data Base No.: 2413

1285 1975  
INFLUENCE OF THE GENOTYPE AND THE ENVIRONMENT ON GROWTH AND SURVIVAL OF RAINBOW TROUT (SALMO GAIRDNERI) IN CENTRAL CANADIAN AQUACULTURE LAKES.  
AYLES, G.B.  
AQUACULTURE 6 (2), 181-188.  
Aquaculture Data Base No.: 2348

1286 1975  
LEGAL AND REGULATORY CONSIDERATIONS CONCERNING THE USE OF WASTES IN MARICULTURE.  
KATZ, B.F.  
COASTAL RESEARCH 4 (6), 1-6.  
Aquaculture Data Base No.: 2149

1287 1975  
PHYSICAL MODELS OF INTEGRATED WASTE RECYCLING-MARINE POLYCULTURE SYSTEMS.  
RYTHER, J.H.; GOLDMAN, J.C.; GIFFORD, C.E.; HUGUENIN, J.E.; WING, A.S.; CLARNER, J.P.; WILLIAMS, L.D.; LAPOINTE, B.E.

AQUACULTURE 5 (2), 163-177.  
Aquaculture Data Base No.: 2365

1974

1288 1975  
Preliminary data of the dynamics of development of phytoplankton in fish breeding ponds in the Ararat Valley. RUS.  
Arutiunian, A. A.  
*Biol Zh Arm.* 28 (7): 98-101. July 1975. .)  
NAL Call No.: 20 ER4

1289 1975  
Productivity of sewage fertilized fish ponds [Water resources, food production].  
Krishnamoorthi, K P; Abdulappa, M K; Sarkar, R; Siddiqi, R H.  
*Water Res.* 9 (3): 269-274. Mar 1975. .)  
NAL Call No.: TD420.W3

1290 1975  
SOME ECOLOGICAL AND BEHAVIOURAL ASPECTS OF SIGANID POPULATIONS IN THE RED SEA AND MEDITERRANEAN COASTS OF ISRAEL IN RELATION TO THEIR SUITABILITY FOR AQUACULTURE.  
POPPER, D.; GUNDERMANN, N.  
AQUACULTURE 6 (2), 127-141.  
Aquaculture Data Base No.: 2371

1291 1975  
A study on the relative efficiency of organic manures and the effect of salinity on its mineralisation in brackishwater fish farm soil.  
Ghosh, S R.  
*Aquaculture.* 5 (4): 359-366. Ref. June 1975. .)  
NAL Call No.: SH1.A6

1292 1975  
USE OF THERMAL EFFLUENT IN AQUACULTURE.  
FORD, R.F; VAN OLST, J.C.  
UNIVERSITY OF CALIFORNIA. SEA GRANT PROJECT SUMMARY. R/FA17.  
Aquaculture Data Base No.: 2170

1293 1975  
WASTEWATER RENOVATION AND REUSE. 4. PRELIMINARY RESULTS WITH A PILOT-PLANT WASTE RECYCLING MARINE AQUACULTURE SYSTEM.  
RYTHER, J.H.  
WASTEWATER RENOVATION AND REUSE.  
MARCEL DEKKER, INC., 89-132.  
Aquaculture Data Base No.: 4280

1294 1975  
Water quality in a central Oklahoma stream as influenced by fish hatchery effluent.  
Olness, Alan; Smith, S J; Menzel, R G.  
New Orleans] : Agricultural Research Service, U.S. Dept. of Agriculture., 1975. 20 p. : ill. -.  
NAL Call No.: aS21.A75U53 No.66  
(U.S. Agricultural Research Service. Southern Region. ARS-S- ; 66)  
(Cover title. Bibliography: p. 19.)

1295 1974  
Aquaculture as a means to achieve effluent standards. [Water pollution].  
Coleman, M S; Henderson, J P; Chichester, H G; Carpenter, R L.  
*Environ Prot Technol Ser EPA U S Environ Prot Agency.* 660/2-74-041: 199-214. Ref. June 1974. .)  
NAL Call No.: TD172.E57

1296 1974  
BACTERIOPHAGE SURVIVAL PATTERN IN A TERTIARY SEWAGE TREATMENT - AQUACULTURE MODEL SYSTEM.  
VAUGHN, J.M.; RYTHER, J.H.  
AQUACULTURE 4 (4); 399-406.  
Aquaculture Data Base No.: 2630

1297 1974  
BIOCHEMICAL TECHNIQUES FOR EVALUATION OF ENVIRONMENTAL STRESSES IN AQUACULTURE SYSTEMS.  
DAHMS, A.S.  
UNIVERSITY OF CALIFORNIA. SEA GRANT COLLEGE PROPOSAL 1974-75, VOLUME II, 169-173.  
Aquaculture Data Base No.: 2101

1298 1974  
BIOLOGICAL PROCESSES INVOLVED IN POLLUTION OF COASTAL AQUACULTURE WATERS.  
GOPALAKRISHNAN, V.  
INDO-PACIFIC FISHERIES COUNCIL PROCEEDINGS, 15TH SESSION. SECTION II, COASTAL AQUACULTURE AND ENVIRONMENT. 1-8.  
Aquaculture Data Base No.: 804

1299 1974  
BIOLOGIST FINDS SEWAGE, AQUACULTURE COMPATIBLE.  
PALMER, H.V.R., JR.  
NATL. FISHERMAN, 55(2), 12-B.  
Aquaculture Data Base No.: 5236

1300 1974  
Cadmium accrual in a combined wastewater treatment-aquaculture system.  
Kerfoot, W B; Jacobs, S A.  
*In Proceedings of the Annual NSF Trace Contaminants Conference (National Science Foundation).* 1st: 225-244. Ref. 1973 (pub. 1974). .)  
NAL Call No.: TD172.5.N74 1973

1301 1974  
Chemistry of the problem [Fish farming, pesticides].  
Mayhew, J.  
*In Proceedings of the Fish Farming Conference and Annual Convention Catfish Farmers of Texas.* p. 5-7. 1974. .)  
NAL Call No.: SH167.C35F5 1974

1302 1974  
A CRITICAL APPRAISAL OF THE WATER POLLUTION PROBLEM IN INDIA IN RELATION TO AQUACULTURE.  
JHINGRAN, V.G.



INDO-PACIFIC FISHERIES COUNCIL  
PROCEEDINGS, 15TH SESSION. SECTION II,  
COASTAL AQUACULTURE AND ENVIRONMENT.  
45-50.

Aquaculture Data Base No.: 809

1303 1974  
Critical variables in food-item population dynamics in a  
wastewater aquaculture system. [Fishery products].  
Powers, J E.  
*Environ Prot Technol Ser EPA U S Environ Prot  
Agency.* 660/2-74-041: 497-503. June 1974. .)  
NAL Call No.: TD172.E57

1304 1974  
Ecological conditions for dragonflies (Odonata) in  
intensively managed fish ponds. GER.  
Clausnitzer, H J.  
*Nat Kult Jagd.* 27 (4): 78-90. 1974. .)  
NAL Call No.: QH5.N32

1305 1974  
ECOLOGICAL CONDITIONS FOR SUCCESSFUL  
CULTURE OF FISH IN SEWAGE POND  
EFFLUENTS.  
TEOH, B.L.  
INDO-PACIFIC FISHERIES COUNCIL  
PROCEEDINGS, 15TH SESSION. SECTION II,  
COASTAL AQUACULTURE AND ENVIRONMENT.  
76-83.  
Aquaculture Data Base No.: 814

1306 1974  
ECOLOGICAL STUDIES OF THE CALIFORNIA  
CRAYFISH, PACIFASTACUS LENIUSCULUS,  
WITH EMPHASIS ON THEIR GROWTH FROM  
RECYCLING WASTE PRODUCTS.  
GOLDMAN, C.R.; RUNDQUIST, J.C.; FLINT, R.W.  
PROCEEDINGS OF THE SECOND  
INTERNATIONAL CRAYFISH SYMPOSIUM.  
BATON ROUGE, LOUISIANA, 1974. 481-487.  
Aquaculture Data Base No.: 6439

1307 1974  
THE EFFECT OF MIREX ON CHANNEL CATFISH  
PRODUCTION.  
HYDE, K.M.; STOKES, S.; FOWLER, J.F.; GRAVES,  
J.B.; BONNER, F.L.  
TRANSACTIONS OF THE AMERICAN FISHERIES  
SOCIETY 103 (2), 366-369.  
Aquaculture Data Base No.: 2486

1308 1974  
EFFECTS OF AERATION IN EARTHEN PONDS  
ON WATER QUALITY AND PRODUCTION OF  
WHITE CATFISH.  
LOYACANO, H.A.  
*AQUACULTURE* 3 (3), 261-271.  
Aquaculture Data Base No.: 3421

1309 1974  
EFFECTS OF THE INSECTICIDE SEVIN AND ITS  
FIRST HYDROLYTIC PRODUCT, I-NAPHTHOL,  
ON SOME EARLY DEVELOPMENTAL STAGES  
OF THE BAY MUSSEL MYTILUS EDULIS.  
ARMSTRONG, D.A.; MILLEMANN, R.E.

OREGON STATE UNIVERSITY. SEA GRANT  
COLLEGE PROGRAM, ORESU-R-74-022, 5P.  
Aquaculture Data Base No.: 4034

1310 1974  
Experiences with a marine aquaculture-tertiary sewage  
treatment complex.  
Huguenin, J E; Ryther, J H.  
*Environ Prot Technol Ser EPA U S Environ Prot  
Agency.* 660/2-74-041: 377-386. Ref. June 1974. .)  
NAL Call No.: TD172.E57

1311 1974  
INORGANIC NITROGEN REMOVAL IN A  
COMBINED TERTIARY TREATMENT MARINE  
AQUACULTURE SYSTEM - I. REMOVAL  
EFFICIENCIES. II. ALGAL BIOASSAYS.  
GOLDMAN, J.C.; TENORE, K.R.; RYTHER, J.H.;  
CORWIN, N.  
*WATER RESEARCH* 8, 45-54, 55-59.  
Aquaculture Data Base No.: 2220

1312 1974  
Mineral quality of fish pond effluent related to soil  
properties and crop production. [Irrigation].  
Hileman, L H.  
*Environ Prot Technol Ser EPA U S Environ Prot  
Agency.* 660/2-74-041: 412-416. June 1974. .)  
NAL Call No.: TD172.E57

1313 1974  
Organochlorine pesticide residues in cultured fishes of  
Taiwan. [Seafood].  
Cheng, S H; Sun, N T.  
*Bull Inst Zool Acad Sin.* 13 (1): 37-45. June 1974. .)  
NAL Call No.: 410.9 AC1

1314 1974  
OYSTERS, ALGAE AND SEWAGE.  
DOUGLAS, J.H.  
*SCIENCE NEWS* 106, 170-171.  
Aquaculture Data Base No.: 2218

1315 1974  
Permissible levels of heavy metals in secondary effluent  
for use in a combined sewage treatment-marine  
aquaculture system. I. Monitoring during pilot operation.  
Kerfoot, W B; Jacobs, S A.  
*Environ Prot Technol Ser EPA U S Environ Prot  
Agency.* 660/2-74-041: 65-78. Ref. June 1974. .)  
NAL Call No.: TD172.E57

1316 1974  
Permissible levels of heavy metals in secondary effluent  
for use in a combined sewage treatment-marine  
aquaculture system. II. Development of guidelines by  
method of additions. [Water pollution].  
Kerfoot, W B; Redmann, G A.  
*Environ Prot Technol Ser EPA U S Environ Prot  
Agency.* 660/2-74-041: 79-101. Ref. June 1974. .)  
NAL Call No.: TD172.E57

1317 1974  
Pesticides as environmental contaminants [Fish farming].  
Anderson, M L.

*In Proceedings of the Fish Farming Conference and Annual Convention Catfish Farmers of Texas.* p. 8-9. 1974. .)

NAL Call No.: SH167.C35F5 1974

1318 1974  
Pesticides in water and effects on fish farmers as a food pollutant.

Snodgrass, T B.

*In Proceedings of the Fish Farming Conference and Annual Convention Catfish Farmers of Texas.* p. 10-14. 1974. .)

NAL Call No.: SH167.C35F5 1974

1319 1974  
POLLUTION ASPECTS OF CATFISH PRODUCTION - REVIEW AND PROJECTIONS.

BARKER, J.C.; CHESNESS, J.L.; SMITH; R.E.

EPA 660/2-74-064. ENVIRONMENTAL PROTECTION TECHNOLOGY SERIES. 100P.

Aquaculture Data Base No.: 2505

1320 1974  
POTENTIAL EFFECTS OF AQUACULTURE ON INSHORE COASTAL WATERS.

ODUM, W.E.

ENVIRONMENTAL CONSERVATION 1 (3), 225-230.

Aquaculture Data Base No.: 1982

1321 1974  
Potential effects of aquaculture on inshore coastal waters. [Pollution].

Odum, W E.

*Environ Conserv.* 1 (3): 225-230. Ref. Autumn 1974. .)

NAL Call No.: QH540.E55

1322 1974  
RECENT DEVELOPMENTS IN THE NEW ZEALAND ROCK OYSTER FARMING INDUSTRY (1970-72) AND PROBLEMS REGARDING AQUATIC POLLUTION.

CURTIN, L.

INDO-PACIFIC FISHERIES COUNCIL PROCEEDINGS, 15TH SESSION. SECTION II, COASTAL AQUACULTURE AND ENVIRONMENT. 51-55.

Aquaculture Data Base No.: 810

1323 1974  
RECYCLING OF ORGANIC POLLUTANTS IN MARICULTURES III - MASS CULTURES OF SELECTED PHYTOPLANKTERS FERTILIZED BY SEWAGE AND UTILIZATION OF CROPS IN SECONDARY PRODUCTIVITY.

KERZAN, I.; LENARCIC, M.; STIRN, J.

REVUE INTERNATIONALE D'OCEANOGRAPHIE MEDICALE 34, 73-94.

Aquaculture Data Base No.: 1208

1324 1974  
Relative growth of different species of marine algae in wastewater-seawater mixtures [Aquaculture].

Goldman, J C; Stanley, H I.

*Mar Biol.* 28 (1): 17-25. Ref. Dec 18, 1974. .)

NAL Call No.: QH91.A1M35

1325 1974  
SEASONAL DEVELOPMENT OF PHYTOPLANKTON IN FISH PONDS.

FOTT, J.; KORINEK, V.; PRAZAKOVA, M.;

VONDRUS, B.; FOREST, K.

INTERNATIONALE REVUE DER GESAMTEN HYDROBIOLOGIE 59 (5), 629-641.

Aquaculture Data Base No.: 2377

1326 1974  
SEWAGE AND AQUACULTURAL PRODUCTION. SLACK, E.B.

INDO-PACIFIC FISHERIES COUNCIL

PROCEEDINGS, 15TH SESSION. SECTION II, COASTAL AQUACULTURE AND ENVIRONMENT. 70-76.

Aquaculture Data Base No.: 813

1327 1974  
SOLAR SEA POWER PLANT, ENVIRONMENTAL IMPACT - AQUACULTURE POTENTIAL.

MERCER, W.G.

OREGON STATE UNIVERSITY. SEA SOLAR PLANTS, A FEASIBILITY STUDY, 205-211.

Aquaculture Data Base No.: 3137

1328 1974  
Standing crops of benthic fauna in marine aquaculture ponds using reclaimed water. [Wastewater utilization].

Sharp, T R.

*Environ Prot Technol Ser EPA U S Environ Prot Agency.* 660/2-74-041: 513-528. Ref. June 1974. .)

NAL Call No.: TD172.E57

1329 1974  
Structure of planktonic coenosis of fish breeding ponds of the Southern Urals. RUS.

Andreiashkin, IU G; Liubimova, T S; IArushina, M I.

*Ekologiya (Sverdlovsk).* 4: 53-60. Ref. July/Aug 1974. .)

NAL Call No.: QH540.E3

1330 1974  
THERMAL TOLERANCE OF OYSTER LARVAE, CRASSOSTREA VIRGINICA GMELIN, AS RELATED TO POWER PLANT OPERATION.

HIDU, H.; ROOSENBURG, W.H.; DROBECK, K.G.;

MCERLEAN, A.J.; MIHURSKY, J.A.

NATIONAL SHELLFISHERIES ASSOCIATION 1973 PROCEEDINGS 64, 102-110.

Aquaculture Data Base No.: 2422

1331 1974  
TWO MAJOR PROBLEMS IN CULTURING CRAYFISH IN PONDS, OXYGEN DEPLETION AND OVERCROWDING.

AVault, J.W., JR.; DE LA BRETONNE, L.W.;

HUNER, J.V.

PROCEEDINGS OF THE SECOND INTERNATIONAL CRAYFISH SYMPOSIUM. BATON ROUGE, LOUISIANA, 1974. 139-144.

Aquaculture Data Base No.: 4050

1973

1332 1973  
AERATION, WATER QUALITY AND CATFISH PRODUCTION.

BUSCH, C.D.; KOON, J.L.; ALLISON, R.



AMERICAN SOCIETY OF AGRICULTURAL ENGINEERS 1973 ANNUAL MEETING, PAPER NO. 73-559. 14P.  
Aquaculture Data Base No.: 3115

1333 1973  
Aflatoxins as contaminants of feeds, fish, and foods.  
Ayres, J C.  
*In Chichester, C. O., comp. Microbial Safety of Fishery Products.* p. 261-272. Ref. 1973. .)  
NAL Call No.: RA602.F5C5

1334 1973  
COMPARISON OF PRODUCTION AND SURVIVAL OF CHANNEL CATFISH STOCKED ALONE AND IN COMBINATION WITH BLUE AND WHITE CATFISH.  
GREEN, O.L.  
THE PROGRESSIVE FISH-CULTURIST 35 (4), 225-226.  
Aquaculture Data Base No.: 680

1335 1973  
Ecology and management of summer steelhead in the Rogue River.  
Everest, Fred H.  
Corvallis : Oregon State Game Commission., 1973. 48 p. : ill., graphs, maps. -.  
NAL Call No.: SH11.O7 No.7  
(Oregon. Game Commission. Research Division. Fishery research report ; no. 7)  
(Federal aid to fish restoration; project AFS 31; final report. Bibliography: p. 47-48. Spine title: Summer steelhead, Rogue River.)

1336 1973  
The effect of fertilizers on the development of zooplankton in ponds of the Frunze State Fish Farm during the summer period. RUS.  
Boiarskikh, N A.  
*In Ikhtiologicheskii i Gidrobiologicheskii Issledovaniia v Kirgizii.* p. 105-112. 1973. .)  
NAL Call No.: QL633.K5I39

1337 1973  
FISH CULTURE - A NEW FIELD FOR ETHOLOGISTS.  
RIEDEL, D.  
AQUACULTURE 2 (2), 183-186.  
Aquaculture Data Base No.: 603

1338 1973  
FORAMINIFERA IN ESTUARINE PONDS DESIGNED FOR WASTE CONTROL AND AQUACULTURE.  
LEFURGEY, A.; ST. JEAN, J., JR.  
UNIVERSITY OF NORTH CAROLINA SEA GRANT PROGRAM. UNC-SG-73-10, 51-96.  
Aquaculture Data Base No.: 2204

1339 1973  
Heavy metal contents in Taiwan's cultured fish. [Residues].  
Cheng, S H; Huang, Y W.  
*Bull Inst Zool Acad Sin.* 12 (2): 79-85. Ref. Dec 1973. .)  
NAL Call No.: 410.9 AC1

1340 1973  
HUMAN ENTERIC VIRUSES IN A WASTE RECYCLING SYSTEM.

METCALF, T.G.; RYTHER, J.H.; VAUGHN, J.M.  
UNIVERSITY OF NEW HAMPSHIRE. MARINE PROGRAM ANNUAL REPORT 1973, 10.  
Aquaculture Data Base No.: 1506

1341 1973  
INORGANIC NITROGEN REMOVAL FROM WASTEWATER. EFFECT ON PHYTOPLANKTON GROWTH IN COASTAL MARINE WATERS.  
GOLDMAN, J.C.; TENORE, K.R.; STANLEY, H.I.  
SCIENCE 180 (4089), 955-956.  
Aquaculture Data Base No.: 1156

1342 1973  
Nutrition clouds and the sea: Artificial weather, sea farming, water desalinization and aquaculture. Nahrung aus Wolken und Meeren: Kunstwetter, Meeresfarmen, Wasserentsalzung und Aquakulturen. GER.  
Andreae, B.  
*Ernahr-umsch.* 20 (4): 106-109. Ref. Apr 1973. .)  
NAL Call No.: 389.8 ER66

1343 1973  
THE POTENTIAL OF POLLUTANTS TO ADVERSELY AFFECT AQUACULTURE.  
ODUM, W.E.  
UNIVERSITY OF MIAMI. GULF AND CARIBBEAN FISHERIES INSTITUTE PROCEEDINGS 25, 163-174.  
Aquaculture Data Base No.: 1960

1344 1973  
Principles of water quality management. 11. Fisheries and amenity requirements.  
Fish, H.  
*Effluent Water Treat J.* 13 (9): 586-587, 589-591, 593, 595-597. Ref. Sept 1973. .)  
NAL Call No.: TD201.E3

1345 1973  
RACEWAYS; EXOTIC SPECIES MOST AFFECTED BY PROPOSED E.P.A. DISCHARGE PERMITS.  
CULLEY, D.D., JR.  
AMER. FISH FARMER WORLD AQUACULT. NEWS 4(8), 9-12.  
Aquaculture Data Base No.: 5199

1346 1973  
USES OF WASTE IN AQUACULTURE.  
COOPER, R.C.; HOLMES, R.W.; WENNER, A.M.; DEWITT, F.A. JR.  
UNIVERSITY OF CALIFORNIA. SEA GRANT COLLEGE PROGRAM ANNUAL REPORT 1972-1973. SG PUB. NO. 37, 29-30.  
Aquaculture Data Base No.: 1494

1972

1347 1972  
Agricultural and aquacultural uses of waste heat; Environmental quality program.  
Yarosh, M M.  
Oak Ridge, Tenn., Oak Ridge National Laboratory. 1972. 54 p.  
NAL Call No.: TK4018.A4  
(Atomic Energy Commission. SORNL-4797)  
(Contract no. W-7405-eng. 26. Includes bibliographical references)

1348 1972  
**Application of herbicides in stagnant waters used for fish farming. Herbizideinsatz in fischereilich genutzten stehenden Gewässern. GER.**  
 Nietzke, G.  
*Ver Wasser- Boden-lufthyg Schriftenreihe.* 37: 197-199. 1972. .)  
 NAL Call No.: 449.9 V58

1349 1972  
**AQUACULTURAL USES OF WASTE HEAT.**  
 YAROSH, M.M.; NICHOLS, B.L.; HIRST, E.A.; MICHEL, J.W.; YEE, W.C.  
**AGRICULTURAL AND AQUACULTURAL USES OF WASTE HEAT.** ORNL-4797. P. 30-42. OAK RIDGE NATIONAL LABORATORY. OAK RIDGE, TENNESSEE.  
 Aquaculture Data Base No.: 908

1350 1972  
**Aretit poisoning of fish and phenol derivate toxicity in farm animals. Otrava ryb Aretitom a toxicita derivatov fenolu na uzitkove zvierata. SLO.**  
 Rosival, I; Podhradsky, D; Kucharsky, P; Koppel, Z.  
*Veterinarstvi.* 22 (11): 497-499. 1972. .)  
 NAL Call No.: 41.8 V6439

1351 1972  
**CONTROLLED EUTROPHICATION - INCREASING FOOD PRODUCTION FROM THE SEA BY RECYCLING HUMAN WASTES.**  
 RYTHER, J.H.; DUNSTAN, W.M.; TENORE, K.R.; HUGUENIN, J.E.  
*BIO-SCIENCE* 22 (3), 144-152.  
 Aquaculture Data Base No.: 2221

1352 1972  
**Effects of elevated temperature on juvenile coho salmon and benthic invertebrates in model stream communities.**  
 Iverson, Ronald Albert.  
 1972: 98 leaves; 21 cm.  
 NAL Call No.: DISS 72-9,815  
 Photocopy of typescript. Ann Arbor: University Microfilms, 1972.  
 Thesis (Ph.D.)--Oregon State University, 1972.  
 (Bibliography: leaves 88-91.)

1353 1972  
**EFFECTS OF INCREASED WATER HARDNESS, SOURCE OF FRY AND AGE AT STOCKING ON SURVIVAL OF STRIPED BASS FRY IN EARTHEN PONDS.**  
 REEVES, W.C.; GERMANN, J.F.  
 PROCEEDINGS SOUTHEASTERN ASSOCIATION OF GAME AND FISH COMMISSIONERS 25, 542-548.  
 Aquaculture Data Base No.: 1069

1354 1972  
**POLLUTION AS A RESULT OF FISH CULTURAL ACTIVITIES.**  
 HINSHAW, R.N.  
 UTAH STATE DIVISION OF WILDLIFE RESOURCES. EPA-R3-73-009, ECOLOGICAL RESEARCH SERIES. 209P.  
 Aquaculture Data Base No.: 398

1355 1972  
**Results of an investigation of the total mercury in some agricultural and industrial fish breeding grounds and in various rivers and lakes in central Italy. Risultati di una indagine sul contenuto in mercurio totale di pesci di alcuni allevamenti agricoli ed industriali e di alcuni fiumi e laghi dell'Italia centrale. ITA.**

Caracciolo, S; Di Silverstro, C; Loreti, A; Perna, A; Travaglini, N.  
*Nuova Vet.* 48 (5): 272-279. Eng. sum. Sept/Oct 1972. .)  
 NAL Call No.: 41.8 N922

1356 1972  
**THE USE OF FLOWING BIOLOGICAL SYSTEMS IN AQUACULTURE, SEWAGE TREATMENT, POLLUTION ASSAY, AND FOOD-CHAIN STUDIES.**  
 RYTHER, J.H.; TENORE, K.R.; DUNSTAN, W.M.; GOLDMAN, J.C.; PRINCE, J.S.; VREELAND, V.; KERFOOT, W.B.; CORWIN, N.; HUGUENIN, J.E.; VAUGHN, J.M.  
 PROGRESS REPORT NSF-RANN G1-32140. WOODS HOLE. 28P.  
 Aquaculture Data Base No.: 1031

1357 1972  
**USE OF PHYTOPHAGOUS FISH TO CONTROL AQUATIC PLANTS.**  
 OPUSZYNSKI, K.  
*AQUACULTURE* 1 (1), 61-74.  
 Aquaculture Data Base No.: 6

1358 1972  
**USE OF TREATED SEWAGE IN AQUACULTURE.**  
 CHESTNUT, A.F.  
 PROCEEDINGS OF THE THIRD ANNUAL WORKSHOP WORLD MARICULTURE SOCIETY. ST. PETERSBURG, FLORIDA. 167-171.  
 Aquaculture Data Base No.: 861

1359 1972  
**Water levels, fluctuation, and minimum pools in reservoirs for fish and other aquatic resources ; An annotated bibliography.**  
 Fraser, J C.  
 Rome : Food and Agriculture Organization of the United Nations., 1972. 42 p. -.  
 NAL Call No.: SH1.F2 No.113  
 (FAO fisheries technical paper ; no. 113)  
 (Includes bibliographical references.)

1971

1360 1971  
**CONTINUOUS CULTURES OF NATURAL POPULATIONS OF PHYTOPLANKTON IN DILUTE, TREATED SEWAGE EFFLUENT.**  
 DUNSTAN, W.M.; MENZEL, D.W.  
*LIMNOLOGY AND OCEANOGRAPHY* 16 (4), 623-632.  
 Aquaculture Data Base No.: 1132

1361 1971  
**DISTRIBUTION OF AQUATIC MACRO-FAUNA IN A MARSH ON WEST GALVESTON BAY, TEXAS AND POSSIBLE EFFECTS THEREON RESULTING FROM IMPOUNDMENTS FOR SHRIMP CULTURE.**  
 PARKER, J.C.; HOLCOMB, H.W., JR.; KLUSSMANN, W.G.; MCNEILL, J.C. IV  
 TEXAS A AND M UNIVERSITY. SEA GRANT PROGRAM. COLLEGE STATION, TEXAS. TAMU-SG-71-208. NATIONAL TECHNICAL INFORMATION SERVICE. 32P.  
 Aquaculture Data Base No.: 973

1362 1971



Effect of ionizing radiation on the organism; The problem of the effect of radioactive water pollution on the reproduction of commercial fishes.  
 Sorokin, B P.  
 [Oak Ridge] U.S. Atomic Energy Commission. 1971. 217 p. illus.  
 NAL Call No.: QP82.2.R3S6  
 (Atomic Energy Commission. SAEC-TR 7418)  
 (A translation from Polar Scientific Research and Planning Institute of Sea Fisheries and Oceanography, proceedings, no. 29 includes bibliographical references)

1363 1971  
 The effect of paraquat on fish in a Colorado farm pond.  
 Earnest, R D.  
*Progr Fish-cult.* 33 (1): 27-31. Jan 1971. .)  
 NAL Call No.: 157.5 P94

1364 1971  
 The effects of fertilization on the fishes of a central Texas farm pond.  
 Lock, Joe Taylor  
 1971: xi, 128 leaves; 21 cm.  
 NAL Call No.: DISS 72-5,688  
 Photocopy of typescript. Ann Arbor: University Microfilms, 1972.  
 Thesis (Ph.D.)--Texas A&M University, 1971.  
 (Bibliography: leaves 122-127.)

1365 1971  
 INCREASE OF BENTHIC ALGAE IN MILKFISH PONDS BY APPLICATION OF SILICATE.  
 CHEN, H.C.  
 REPORTS ON FISH CULTURE.  
 CHINESE-AMERICAN JOINT COMMISSION ON RURAL RECONSTRUCTION. FISHERIES SERIES NO. 11. 71-83.  
 Aquaculture Data Base No.: 1307

1366 1971  
 MICROBIOLOGICAL STUDIES ON NITROGEN FIXATION IN AQUATIC ENVIRONMENTS - V. ON THE NITROGEN FIXING BACTERIA IN CULTURE PONDS.  
 KAWAI, A.; SUGIYAMA, M.; SUGAHARA, I.  
 BULLETIN OF THE JAPANESE SOCIETY OF SCIENTIFIC FISHERIES 37 (10), 986-991.  
 Aquaculture Data Base No.: 1160

1367 1971  
 NEW DEVELOPMENTS AND NEEDED CHANGES. 2. BENEFICIAL USES OF HEATED WATER.  
 UPCHURCH, J.E.  
 CONFERENCE PROCEEDINGS 1971 PRODUCING AND MARKETING CATFISH IN THE TENNESSEE VALLEY, 84-87.  
 Aquaculture Data Base No.: 4791

1368 1971  
 Some environmental influences of the zinc and copper content of striped bass, *Morone saxatilis* (Walbaum).  
 O'Rear, Charles W.  
 1971: vii, 69 leaves; 21 cm.  
 NAL Call No.: DISS 72-16,294  
 Photocopy of typescript. Ann Arbor: University Microfilms, 1972 Thesis (Ph.D.)--Virginia Polytechnic Institute and State University, 1971.  
 (Bibliography: leaves 64-67.)

1369 1971  
 THE WHITE AMUR: A CONTROVERSIAL BIOLOGICAL CONTROL.

SNEED, K.E.  
 AMER. FISH FARMER WORLD AQUACULT. NEWS 2(6), 6-9.  
 Aquaculture Data Base No.: 5158

1970

1370 1970  
 EXPERIMENTAL-ECOLOGICAL INVESTIGATIONS ON PHAEOCYSTIS POUCHETI (HAPTOPHYCEAE). CULTIVATION AND WASTE WATER TEST.  
 KAYSER, H.  
 HELGOLANDER WISS MEERESUNTERS 20, 195-212.  
 Aquaculture Data Base No.: 2714

1371 1970  
 FOOD INTERRELATIONSHIPS OF YOUNG GRASS CARP, SILVER CARP AND CARP REARED JOINTLY IN PONDS IN BELORUSSIA.  
 SOBOLEV, Y.A.  
 JOURNAL OF ICHTHYOLOGY 10 (4), 528-533.  
 (TRANSLATED FROM RUSSIAN).  
 Aquaculture Data Base No.: 2446

1372 1970  
 GROWTH, SURVIVAL, FOOD HABITS, AND SEXUAL DEVELOPMENT OF CROAKER, MICROPOGON UNDULATUS, IN BRACKISH WATER PONDS.  
 AVAULT, J.W., JR.; BIRDSONG, C.L.; PERRY, W.G. JR.  
 PROCEEDINGS SOUTHEASTERN ASSOCIATION OF GAME AND FISH COMMISSIONERS 23, 251-255.  
 Aquaculture Data Base No.: 1073

1373 1970  
 INTERNATIONAL SYMPOSIUM "CULTIVATION OF MARINE ORGANISMS AND ITS IMPORTANCE FOR MARINE BIOLOGY". CLOSING ADDRESS.  
 KINNE, O.  
 HELGOLANDER WISS MEERESUNTERS 20, 707-710.  
 Aquaculture Data Base No.: 1636

1374 1970  
 PESTICIDES AND AQUACULTURE.  
 MCLARNEY, W.O.  
 THE AMERICAN FISH FARMER AND WORLD AQUACULTURE NEWS 1 (10), 6-7,2.  
 Aquaculture Data Base No.: 1748

1375 1970  
 Wave damping effect of breakwater of double spaced barrier type; wave damping effect of breakwater as the outer facilities for fish farm. 2. JAP.  
 Kato, J; Uekita, Y.  
*Hiratsuka Agr Eng Res Sta Bull.* 8: 259-266. Mar 1970. .)  
 NAL Call No.: 290.9 H61  
 (English summary.)

1969

**1376** **1969**  
**A preliminary bibliography on the utilization of sewage  
in fish culture.**

Allen, George H.

Rome : Food and Agriculture Organization of the  
United Nations., 1969. i, 15 leaves. -.

**NAL Call No.: Z5973.S4A5**

(Food and Agriculture Organization of the United  
Nations.\$Fisheries circular ; no. 308)

(Prepared in cooperation with the Inland Fishery  
Branch, Fishery Resources and Exploitation Division,  
Dept. of Fisheries, FAO. For limited distribution.)



## 6: FEEDING AND NUTRITION

- 1982
- 1382** 1982  
Activated sewage sludge as replacement for bran-cotton seed meal mixture for carp, *Cyprinus carpio* L.  
Anwar, A.; Ishak, M.M.; El-Zeniny, M.; Hassanen, G.D.I.  
Aquaculture; v. 28, (3/4), p. 321-325. July 1982.  
(Amsterdam: Elsevier Scientific Publishing.)  
NAL Call No.: SH1.A6  
(11 ref.)
- 1383** 1982  
Cellular effects of adrenosterone feeding to juvenile carp, *Cyprinus carpio* L., effect on liver, kidney, brain and muscle protein and nucleic acids (Feed supplements).  
Lone, K.P.; Matty, A.J.  
Journal of fish biology; v. 21, (1), p. 33-45. July 1982.  
(London, Eng.: Academic Press.)  
NAL Call No.: QL614.J68  
(4 p. ref.)
- 1384** 1982  
Common carp eggs as a starter diet for the intensive culture of smallmouth bass fry (*Micropterus dolomieu*).  
Willis, D.W.; Flickinger, S.A.  
The Progressive fish culturist; v. 44, (1), p. 28-29. Jan 1982. ((s.l.): United States Fish and Wildlife Service.)  
NAL Call No.: 157.5 P94  
(Includes 8 ref.)
- 1385** 1982  
A comparative study of trout and chicks regarding dietary effects on glycogen concentration in liver and muscle during feeding and subsequent to feed withdrawal (*Salmo gairdneri*).  
Hickling, D.R.; March, B.E.  
Comparative biochemistry and physiology. A: Comparative physiology; v. 72, (1), p. 115-123. 1982.  
(Oxford: Pergamon Press.)  
NAL Call No.: QP1.C6  
(Includes 2 p. ref.)
- 1386** 1982  
The dietary value for sea-bass larvae (*Dicentrarchus labrax*) of the rotifer *Brachionus plicatilis* fed with or without a laboratory-cultured alga.  
Gatesoupe, F.J.; Robin, J.H.  
Aquaculture; v. 27, (2), p. 121-127. Mar 1982.  
(Amsterdam: Elsevier Scientific Publishing.)  
NAL Call No.: SH1.A6  
(Includes 7 ref.)
- 1387** 1982  
Effect of feeding frequency on surfacing activity and growth in the air-breathing fish, *Heteropneustes fossilis*.  
Marian, M.P.; Ponniah, A.G.; Pitchairaj, R.; Narayanan, M.  
Aquaculture; v. 26, (3/4), p. 237-244. ill. Jan 1982.  
(Amsterdam: Elsevier Scientific Publishing.)  
NAL Call No.: SH1.A6  
(Includes 19 ref.)
- 1388** 1982  
Effects of dietary trivalent chromium on rainbow trout (Growth, feed conversion).  
Tacon, A.G.J.; Beveridge, M.M.  
Nutrition reports international; v. 25, (1), p. 49-56. Jan 1982. (Los Altos, Calif.: Geron-X.)  
NAL Call No.: RC620.A1N8  
(16 ref.)
- 1389** 1982  
EFFECTS OF FERTILIZATION OF LITTLE TOGIAK LAKE ON THE FOOD SUPPLY AND GROWTH OF SOCKEYE SALMON.  
ROGERS, D.E.; ROGERS, B.J.; HARDY, F.J.  
PROCEEDINGS OF THE NORTH PACIFIC AQUACULTURE SYMPOSIUM, ANCHORAGE, ALASKA, AUGUST 18-21, 1980, NEWPORT, OREGON, AUGUST 25-27, 1980, ALASKA SEA GRANT REPORT 82-2, 125-142.  
Aquaculture Data Base No.: 9721
- 1390** 1982  
Evaluation of some plant proteins in complete diets for the tilapia *Sarotherodon mossambicus*.  
Jackson, A.J.; Capper, B.S.; Matty, A.J.  
Aquaculture; v. 27, (2), p. 97-109. Mar 1982.  
(Amsterdam: Elsevier Scientific Publishing.)  
NAL Call No.: SH1.A6  
(Includes 2 p. ref.)
- 1391** 1982  
FEED AND FORAGES FOR RED SWAMP CRAWFISH.  
AVAULT, J.W., JR.  
AQUACULTURE MAGAZINE 8 (2), 41.  
Aquaculture Data Base No.: 9291
- 1392** 1982  
The feeding of trout during the filling phase of Rutland Water (Reservoir, *Salmo trutta*, *Salmo gairdneri*).  
Harper, D.M.  
Hydrobiologia; v. 88, (1/2), p. 191-198. Mar 26, 1982.  
(The Hague: W. Junk.)  
NAL Call No.: 410 H992  
(Includes ref.)
- 1393** 1982  
Feeding success of hatchery-reared kokanee salmon when presented with zooplankton prey (*Oncorhynchus nerka*).  
Vinyard, G.L.; Drenner, R.W.; Hanzel, D.A.  
The Progressive fish culturist; v. 44, (1), p. 37-39. Jan 1982. ((s.l.): United States Fish and Wildlife Service.)  
NAL Call No.: 157.5 P94  
(Includes 24 ref.)
- 1394** 1982

**Feeding, growth, and fat deposition by brown trout in constant and fluctuating temperatures (*Salmo trutta*, fish, laboratory conditions).**

Spigarelli, S.A.; Thommes, M.M.; Prepejchal, W.  
Transactions of the American Fisheries Society; v. 111, (2), p. 119-209. ill. Mar 1982. (Lawrence, Kan.: The Society)

NAL Call No.: 414.9 AM3  
(Includes 2 p. ref.)

**1395 1982**  
**Fish feeding from the view of a producer. Fischfütterung aus der Sicht eines Herstellers.**

Wind, J.J. van der  
Kraftfutter; v. 65, (2), p. 42, 44, 46, 48. Feb 1982. (Hannover, W. Ger.: Alfred Strothe.)

NAL Call No.: 389.78 K85

**1396 1982**  
**FORAGING SUCCESS AS A DETERMINANT OF ESTUARINE AND NEARSHORE CARRYING CAPACITY OF JUVENILE CHUM SALMON (*ONCORHYNCHUS KETA*) IN HOOD CANAL, WASHINGTON.**

SIMENSTAD, C.A.; SALO, E.O.  
PROCEEDINGS OF THE NORTH PACIFIC AQUACULTURE SYMPOSIUM, ANCHORAGE, ALASKA, AUGUST 18-21, 1980, NEWPORT, OREGON, AUGUST 25-27, 1980, ALASKA SEA GRANT REPORT 82-2, 21-37.  
Aquaculture Data Base No.: 9714

**1397 1982**  
**Harvest and nutritional quality of *Gammarus lacustris* for trout culture (Nutritive value, Manitoba Lake, Canada). GERMAN.**

Mathias, J.A.; Martin, J.; Yurkowski, M.; Lark, J.G.I.; Papst, M.; Tabachek, J.L.  
Transactions of the American Fisheries Society; v. 111, (1), p. 83-89. ill. Jan 1982. (Lawrence, Kan.: The Society)

NAL Call No.: 414.9 AM3  
(Includes 1 p. ref.)

**1398 1982**  
**Heat treatment of cereals, a landmark technology for the manufacture of protein-reduced fish feed. Die Warmbehandlung von Getreide, eine richtungweisende Technologie für die Herstellung proteinreduzierter Fischfutter. GERMAN.**

Friedrich, W.; Jansen, H.D.; Abel, H.; Becker, K.  
Kraftfutter; v. 65, (2), p. 52, 54, 56, 58. Feb 1982. (Hannover, W. Ger.: Alfred Strothe.)

NAL Call No.: 389.78 K85  
(Includes ref.)

**1399 1982**  
**Improvement of the stability of commercial feed pellets for the giant shrimp (*Macrobrachium rosenbergii*).**

Farmanfarmaian, A.; Lauterio, T.; Ibe, M.  
Aquaculture; v. 27, (1), p. 29-41. ill. Feb 1982. (Amsterdam: Elsevier Scientific Publishing.)

NAL Call No.: SH1.A6  
(Includes 2 p. ref.)

**1400 1982**  
**The influence of light intensity on feeding of fish larvae and fry. I. *Coregonus pollan* (Thompson) and *Esox lucius* (L.).**  
Dabrowski, K.R.

Zoologische Jahrbucher. Abteilung für allgemeine Zoologie und Physiologie der Tiere; v. 86, (3), p. 341-351. 1982. (Jena, E. Ger.: Gustav Fischer.)

NAL Call No.: 410 Z751Z  
(2 p. ref.)

**1401 1982**  
**The influence of light intensity on feeding of fish larvae and fry. II. *Rutilus rutilus* (L.) and *Perca fluviatilis* (L.).**  
Dabrowski, K.R.

Zoologische Jahrbucher. Abteilung für allgemeine Zoologie und Physiologie der Tiere; v. 86, (3), p. 353-360. 1982. (Jena, E. Ger.: Gustav Fischer.)

NAL Call No.: 410 Z751Z  
(1 p. ref.)

**1402 1982**  
**Manuring rates for production of blue tilapia in simulated sewage lagoons receiving laying hen waste (*Tilapia aurea*).**

McGeachin, R.B.; Stickney, R.R.  
The Progressive fish culturist; v. 44, (1), p. 25-28. Jan 1982. ((s.l.): United States Fish and Wildlife Service.)

NAL Call No.: 157.5 P94  
(Includes 12 ref.)

**1403 1982**  
**Modification of the nutritional composition of *Artemia* by incorporation of polyunsaturated fatty acids using micro-encapsulated diets (Nutritive value to fish).**

Sakamoto, M.; Holland, D.L.; Jones, D.A.  
Aquaculture; v. 28, (3/4), p. 311-320. July 1982. (Amsterdam: Elsevier Scientific Publishing.)

NAL Call No.: SH1.A6  
(2 p. ref.)

**1404 1982**  
**Nutritional physiological problems of intensive rearing of trout and carp. Ernährungsphysiologische Fragen zur Intensivhaltung von Forellen und Karpfen. GERMAN.**

Pfeffer, E.  
Kraftfutter; v. 65, (2), p. 48, 50, 52. Feb 1982. (Hannover, W. Ger.: Alfred Strothe.)

NAL Call No.: 389.78 K85

**1405 1982**  
**Operant conditioning of feeding behaviour and patterns of feeding in thick lipped mullet, *Crenimugil labrosus* (Risso) and common carp, *Cyprinus carpio* (L.).**

Wright, D.E.; Eastcott, A.  
Journal of fish biology; v. 20, (6), p. 625-634. ill. June 1982. (London, Eng.: Academic Press.)

NAL Call No.: QL614.J68  
(1 p. ref.)

**1406 1982**  
**Oxytetracycline residues in rainbow trout (*Salmo gairdneri*) fed a commercial medicated feed.**

Salte, R.  
Acta veterinaria scandinavica; v. 23, (1), p. 150-152. 1982. (Copenhagen: Danske Dyrlægeforening.)

NAL Call No.: 41.8 AC87  
(5 ref.)

**1407 1982**  
**Partial and complete replacement of fishmeal by soybean meal in feeds for intensive culture of carp.**  
Viola, S.; Mokady, S.; Rappaport, U.; Arieli, Y.



Aquaculture; v. 26, (3/4), p. 223-236. Jan 1982.  
(Amsterdam: Elsevier Scientific Publishing.)  
NAL Call No.: SH1.A6  
(Includes 2 p. ref.)

**1408** **1982**  
**Planktivorous feeding ecology of arctic grayling (Thymallus arcticus).**  
Schmidt, D.; O'Brien, W.J.  
Canadian journal of fisheries and aquatic sciences = Journal canadien des sciences halieutiques et aquatiques; v. 39, (3), p. 475-482. Mar 1982. (Ottawa: Govt. of Canada, Fisheries and Oceans.)  
NAL Call No.: 442.9 C16J  
(Includes 2 p. ref.)

**1409** **1982**  
**Plasma constituents of 1-year-old rainbow trout raised with fish meal and SCP (single cell protein) combined feeds.**  
Shimma, Y.; Shimma, H.; Ikeda, K.  
Bulletin - Japanese Society of Scientific Fisheries; v. 48, (6), p. 805-810. ill. June 1982. (Tokyo, Japan: The Society.)  
NAL Call No.: 414.9 J274  
(12 ref.)

**1410** **1982**  
**Preferential feeding behaviour of Daphnia magna (Chlorella vulgaris, Chlamydomonas reinhardtii).**  
Hadas, O.; Cavari, B.Z.; Kott, Y.; Bachrach, U.  
Hydrobiologia; v. 89, (1), p. 49-52. Apr 23, 1982. (The Hague: W. Junk.)  
NAL Call No.: 410 H992  
(Includes ref.)

**1411** **1982**  
**Production of catfish, Chrysichthys nigrodigitatus, in brackish water ponds in Nigeria using groundnut cake as supplemental feed.**  
Ezenwa, B.  
Aquaculture; v. 27, (3), p. 197-203. ill. Apr 1982. (Amsterdam: Elsevier Scientific Publishing.)  
NAL Call No.: SH1.A6  
(Includes 12 ref.)

**1412** **1982**  
**RANGE PELLETS AS SUPPLEMENTAL CRAYFISH FEED.**  
CANGE, S.; MILTNER, M.; AVAULT, J.W., JR.  
THE PROGRESSIVE FISH-CULTURIST 44 (1), 23-24.  
Aquaculture Data Base No.: 9524

**1413** **1982**  
**Rapeseed meal in the diet of common carp reared in heated waters. IV. Iodide (125I) (iodine isotope) accumulation and thyroid histology (Cyprinus carpio).**  
Dabrowski, K.; Evans, R.; Czarnocki, J.; Kozłowska, H.  
Zeitschrift für Tierphysiologie, Tierernährung und Futtermittelkunde = Journal of animal physiology and animal nutrition; v. 48, (1/2), p. 1-9. ill. 1982. (Hamburg, W. Ger.: Paul Parey.)  
NAL Call No.: 389.78 Z3  
(19 ref.)

**1414** **1982**  
**Rearing whitefish (Coregonus lavaretus) with frozen zooplankton by means of a new feeding apparatus.**  
Medgyesy, N.; Wieser, W.

Aquaculture; v. 28, (3/4), p. 327-337. ill. July 1982.  
(Amsterdam: Elsevier Scientific Publishing.)  
NAL Call No.: SH1.A6  
(11 ref.)

**1415** **1982**  
**RECENT DEVELOPMENTS IN CATFISH NUTRITION.**  
LOVELL, T.  
AQUACULTURE MAGAZINE 8 (3), 51-52.  
Aquaculture Data Base No.: 9511

**1416** **1982**  
**Satiation feeding--its significance in practice and research (Fish feed and nutrition).**  
Lovell, T.  
Aquaculture magazine; v. 8, (4), p. 44-45. May/June 1982. (Little Rock, Ark: Briggs Associates, Inc.)  
NAL Call No.: SH1.C65

**1417** **1982**  
**Some observations on the effects of feeding frequency on the food intake and growth of plaice, Pleuronectes platessa L. (Fish).**  
Jobling, M.  
Journal of fish biology; v. 20, (4), p. 431-444. ill. Apr 1982. (London, Eng.: Academic Press.)  
NAL Call No.: QL614.J68  
(3 p. ref.)

**1418** **1982**  
**Studies on the use of carbohydrates by rainbow trout (Salmo gairdnerii, R.). Use of maize source starch, partly sweetened maize starch and glucose in a purified feed mix. Untersuchungen über die Verwertung von Kohlenhydraten durch die Regenbogenforelle (Salmo gairdnerii, R.). Einsatz von Maisquellstärke, teilverzuckerter Maisquellstärke und Glucose in einer gereinigten Futtermischung. GERMAN.**  
Hartfiel, W.; Schulz, D.; Greuel, E.  
Krafftutter; v. 65, (2), p. 58, 60, 62. Feb 1982. (Hannover, W. Ger.: Alfred Strothe.)  
NAL Call No.: 389.78 K85  
(Includes 10 ref.)

**1419** **1982**  
**Studies on the use of heat treated wheat in mixed feed for trout. Untersuchungen zum Einsatz von warmbehandeltem Weizen im Forellenmischfutter. GERMAN.**  
Abel, H.; Becker, K.; Friedrich, W.  
Krafftutter; v. 65, (2), p. 64, 66, 68, 70. Feb 1982. (Hannover, W. Ger.: Alfred Strothe.)  
NAL Call No.: 389.78 K85  
(Ref.)

**1420** **1982**  
**Toxic effects of animal manures and sewage sludge as supplementary feeds for the common carp, Cyprinus carpio (Heavy metal concentrations).**  
Wong, M.H.; Cheung, Y.H.; Lau, W.M.  
Toxicology letters; v. 12, (1), p. 65-73. June 1982. (Amsterdam, The Netherlands: Elsevier Biomedical.)  
NAL Call No.: RA1190.T62  
(20 ref.)

**1421** **1982**  
**Unusual products of animal origin in feeding rainbow trout (Salmo gairdnerii R.). I. Use of blood meal and feather meal in a purified diet. Verwendung von Nebenprodukten tierischer Herkunft in der Ernährung von Regenbogenforellen (Salmo gairdnerii R.). I. Einsatz von Blut- und Federmehl in einer gereinigten Diät. GERMAN.**

- Schulz, D.; Hartfiel, W.; Greuel, E.  
Zeitschrift für Tierphysiologie, Tierernährung und  
Futtermittelkunde = Journal of animal physiology and  
animal nutrition; v. 47, (2), p. 79-85. 1982. (Hamburg,  
W. Ger.: Paul Parey.)  
NAL Call No.: 389.78 Z3  
(9 ref.)
- 1422** **1982**  
Use of cottonseed meal in fish feeds.  
Lovell, T.  
Aquaculture magazine; v. 8, (2), p. 42-43. Jan/Feb 1982.  
(Little Rock, Ark.: Briggs Associates, Inc.)  
NAL Call No.: SH1.C65
- 1423** **1982**  
The use of phytoplankton for aquaculture needs--a status  
report (Algae, culture, feeding finfish and shellfish,  
USA).  
Shaw, W.N.  
NOAA technical report NMFS Circular - United States,  
National Marine Fisheries Service; (442), p. 19-24. ill.  
Mar 1982. (Rockville, Md.: The Service.)  
NAL Call No.: QL121.A1U5  
(13 ref.)
- 1424** **1982**  
Utilization of marine blue-green algae and macroalgae in  
warm water mariculture (Aquiculture as feed plant for  
brine shrimp and rotifer).  
Mitsui, A.; Murray, R.; Entenmann, B.; Miyazawa, K.;  
Polk, E.  
Environmental science research; v. 23, p. 215-225. ill.  
1982. (New York: Plenum Press.)  
NAL Call No.: TD172.E55  
(Includes 19 ref.)
- 1425** **1982**  
WATER-STABLE DIET FOR AQUATIC  
INVERTEBRATES.  
RACH, J.J.  
THE PROGRESSIVE FISH-CULTURIST 44 (2),  
111-112.  
Aquaculture Data Base No.: 9753
- 1981**
- 1426** **1981**  
Accelerated nitrification in new seawater culture  
systems: effectiveness of commercial additives and seed  
media from established systems.  
Bower, C.E.; Turner, D.T.  
Aquaculture; v. 24, (1/2), p. 1-9. ill. May 1981.  
(Amsterdam: Elsevier Scientific Publishing.)  
NAL Call No.: SH1.A6  
(16 ref.)
- 1427** **1981**  
Adaptation of carp (*Cyprinus carpio*) larvae to artificial  
diets. 1. Optimum feeding rate and adaptation age for a  
commercial diet.  
Bryant, P.L.; Matty, A.J.  
Aquaculture; v. 23, (1/4), p. 275-286. Apr 1981.  
(Amsterdam: Elsevier Scientific Publishing.)  
NAL Call No.: SH1.A6  
(Bibliography 285-286.)
- 1428** **1981**  
AMINO ACIDS IN THE FOOD WEB OF A  
WASTEWATER AQUACULTURE SYSTEM FOR  
REARING JUVENILE SALMON.
- ALLEN, W.V.; ALLEN, G.H.  
THE PROGRESSIVE FISH CULTURIST 43 (4),  
178-182.  
Aquaculture Data Base No.: 9383
- 1429** **1981**  
Animals--preys (Zooplankton culture, fish feed).  
Animaux--proies.  
Robin, J.H.  
Informations techniques de services vétérinaires; (76/79),  
p. 18-20. 1981. (Paris: Direction des services  
vétérinaires.)  
NAL Call No.: 41.9 F843I  
(Includes 5 ref.)
- 1430** **1981**  
Automatic trough feeder developed (fish culture).  
Winfree, R.A.; Stickney, R.R.  
Aquaculture magazine; v. 7, (4), p. 18-19. ill. May/June  
1981. (Little Rock, Ark.: Briggs Associates, Inc.)  
NAL Call No.: SH1.C65
- 1431** **1981**  
BP (British Petroleum Nutrition, fish feed supplier) and  
the farming of fish.  
Hjul, P.  
Fish farming international; v. 8, (1), p. 24-26. ill. Mar  
1981. (London: Arthur J. Heighway.)  
NAL Call No.: SH151.F5
- 1432** **1981**  
Caloric densities of ingested food of *Etioplos suratensis*  
(Bloch) grown in a culture pond.  
Sumitra-Vijayaraghavan.; Kumari, L.K.; Dhawan, R.M.;  
Royan, J.P.  
Indian journal of marine sciences; v. 10, (2), p. 205-207.  
ill. June 1981. (New Delhi: Council of Scientific &  
Industrial Research, Publications & Information  
Directorate.)  
NAL Call No.: QH91.A1I48  
(13 ref.)
- 1433** **1981**  
Carotenoids in fish feeds.  
Simpson, K.L.; Katayama, T.; Chichester, C.O.  
New York: Academic Press; 1981. p. 463-538. ill.  
NAL Call No.: TX553.C3C37  
Literature review.  
(326 ref.)
- 1434** **1981**  
Conditions required for the culture of *Branchiura*  
*sowerbyi* (Oligochaeta: Tubificidae) in activated sludge  
(Growth, reproduction, conversion of sludge into fish and  
livestock feed).  
Aston, R.J.; Milner, A.G.P.  
Aquaculture; v. 26, (1/2), p. 155-160. ill. Nov 1981.  
(Amsterdam: Elsevier Scientific Publishing.)  
NAL Call No.: SH1.A6  
(9 ref.)
- 1435** **1981**  
Conversion efficiencies in grass carp (*Ctenopharyngodon*  
*idella*, Val.) using a feed for commercial production.  
Huisman, E.A.; Valentijn, P.



- Aquaculture; v. 22, (3), p. 279-288. ill. Feb 1981.  
(Amsterdam: Elsevier Scientific Publishing.)  
NAL Call No.: SH1.A6  
(Bibliography p. 287-288.)
- 1436** **1981**  
**Daily patterns of feeding behavior, daily rations, and diets of juvenile pink salmon (*Oncorhynchus gorbusha*) in two marine bays of British Columbia.**  
Godin, J.G.J.  
Canadian journal of fisheries and aquatic sciences. = Journal canadien des sciences halieutiques et aquatiques; v. 38, (1), p. 10-15. ill. Jan 1981. (Ottawa: Govt. of Canada, Fisheries and Oceans.)  
NAL Call No.: 442.9 C16J  
(Bibliography p. 14-15.)
- 1437** **1981**  
**Determination of the feed digestion rate in carp fry. Stanoveni rychlosti traveni krmiv kaprim pludkem. CZECH.**  
Jirasek, J.; Palackova, J.  
Zivocisna vyroba - Ceskoslovenska akademie zemedelska, Ustav vedeckotechnickyh informaci pro zemedelstvi; v. 26, (11), p. 829-836. ill. Nov 1981. (Praha: Ustav.)  
NAL Call No.: 49.9 C33  
(Includes 15 ref.)
- 1438** **1981**  
**Development of replacement feed for rainbow trout. Entwicklung von Ersatzfuttern fur die Regenbogenforelle. GERMAN.**  
Tiewes, K.  
Hamburg: Institut fur Kusten- und Binnenfischerei der Bundesforschungsanstalt fur Fischerei; 1981. 77 p.; 29 cm.  
NAL Call No.: SH1.B82 nr.75  
(Bundesforschungsanstalt fur Fischerei. Institut fur Kusten- und Binnenfischerei Veroffentlichungen des Instituts fur Kusten- und Binnenfischerei ; nr. 75)  
(Bibliography: p. 73-77.)
- 1439** **1981**  
**Digestibility of carpet grass (*Axonopus compressus*) in grass carp, *Ctenopharyngodon idella* (Cuvier and Valenciennes) (Pond fish culture, Malaysia).**  
Law, A.T.  
Pertanika; v. 4, (1), p. 91-93. July 1981. (Serdang, Selangor: Universiti Pertanian Malaysia.)  
NAL Call No.: S19.P4  
(Includes 7 ref.)
- 1440** **1981**  
**Effect of different acidified wet feeds on protease activities in the digestive tract and on growth rate of rainbow trout (*Salmo gairdneri* Richardson).**  
Rungruangsak, K.; Utne, F.  
Aquaculture; v. 22, (1/2), p. 67-79. ill. Jan 1981. (Amsterdam: Elsevier Scientific Publishing.)  
NAL Call No.: SH1.A6  
(Bibliography p. 78-79.)
- 1441** **1981**  
**Effect of feed containing ergot (*Claviceps purpurea*) on health condition in carp. Vliv krmiva s pritomnosti namele (*Claviceps purpurea*) na zdravotni stav kapru. CZECH.**  
Svobodova, Z.; Piskac, A.; Groch, L.; Faina, R.; Havlikova, J.
- Zivocisna vyroba - Ceskoslovenska akademie zemedelska, Ustav vedeckotechnickyh informaci pro zemedelstvi; v. 26, (11), p. 837-844. Nov 1981. (Praha: Ustav.)  
NAL Call No.: 49.9 C33  
(Includes 6 ref.)
- 1442** **1981**  
**Effects of dietary protein and energy on growth, feed conversion efficiency and body composition of *Tilapia aurea*.**  
Winfree, R.A.; Stickney, R.R.  
The Journal of nutrition; v. 111, (6), p. 1001-1012. June 1981. (Bethesda: American Institute of Nutrition.)  
NAL Call No.: 389.8 J82  
(33 ref.)
- 1443** **1981**  
**Effects of food and feeding factors on laboratory-reared striped bass Larvae (*Morone saxatilis*).**  
Eldridge, M.B.; Whipple, J.A.; Eng, D.; Bowers, M.J.; Jarvis, B.M.  
Transactions of the American Fisheries Society; v. 110, (1), p. 111-120. ill. Jan 1981. (Lawrence, Kan.: The Society.)  
NAL Call No.: 414.9 AM3  
(Bibliography p. 118-120.)
- 1444** **1981**  
**Effects of frequency of feeding and of a weekly fast on the growth of a rainbow trout (*Salmo gairdneri*). Influence du nombre de repas journaliers et du jeune hebdomadaire sur la croissance chez la truite arc-en-ciel. FRENCH.**  
Luquet, P.; Renou, P.; Kaushik, S.J.  
Annales de zootechnie; v. 30, (4), p. 411-424. ill. 1981. (Paris: Institut national de la recherche agronomique.)  
NAL Call No.: 49 F84  
(Includes 2 p. ref.)
- 1445** **1981**  
**The effects of oil-coated pellets on carp (*Cyprinus carpio*) in intensive culture (Pelleted basal ration).**  
Viola, S.; Rappaport, U.; Arieli, Y.; Amidan, G.; Mokady, S.  
Aquaculture; v. 26, (1/2), p. 49-65. ill. Nov 1981. (Amsterdam: Elsevier Scientific Publishing.)  
NAL Call No.: SH1.A6  
(26 ref.)
- 1446** **1981**  
**Ensiling in acid--a method to stabilize astaxanthin in shrimp processing by-products and improve uptake of this pigment by rainbow trout (*Salmo gairdneri*).**  
Torrissen, O.; Tidemann, E.; Hansen, F.; Raa, J.  
Aquaculture; v. 26, (1/2), p. 77-83. Nov 1981. (Amsterdam: Elsevier Scientific Publishing.)  
NAL Call No.: SH1.A6  
(13 ref.)
- 1447** **1981**  
**Environmental studies on the Sagar Lake feeding spectrum of carps.**  
Soni, D.D.; Srivastava, B.K.; Kathal, K.M.  
Indian journal of ecology; v. 8, (1), p. 102-107. Jan 1981. (Ludhiana: Indian Ecological Society.)  
NAL Call No.: QH540.I56  
(Includes 7 ref.)
- 1448** **1981**  
**Escalating feed costs require more efficient fish feeding.**  
Lovell, T.

- Aquaculture magazine; v. 7, (2), p. 39. ill. Jan/Feb 1981.  
(Little Rock, Ark.: Briggs Associates, Inc.)  
NAL Call No.: SH1.C65
- 1449** **1981**  
**EXPERIMENTS IN NUTRITION OF CARP - REPLACEMENT OF FISHMEAL BY SOYBEAN MEAL.**  
VIOLA, S.; ARIELI, J.; RAPPORT, U.; MOKADY, S.  
BAMIDGEH 33 (2), 35-49.  
Aquaculture Data Base No.: 9401
- 1450** **1981**  
**Feeding fish: what can it do for us?! (Aquaculture).**  
Berger, T.  
Farm pond harvest; v. 15, (3), p. 14-16. ill. Summer 1981. (Kankakee, Ill.: Professional Sportsman's.)  
NAL Call No.: SH1.F3
- 1451** **1981**  
**Feeding intensity of silver carp (*Hypophthalmichthys molitrix* Val.) from the Paproteckie Lake in the annual cycle.**  
Bialokoz, W.; Krzywosz, T.  
Ekologia polska. = Polish journal of ecology; v. 29, (1), p. 53-61. 1981. (Warszawa: Polish Scientific Publishers.)  
NAL Call No.: 512 W263  
(Includes 12 ref.)
- 1452** **1981**  
**Feeding methods affect production and profit (fish rations).**  
Avault, J.W., Jr.  
Aquaculture magazine; v. 7, (4), p. 38-39. ill. May/June 1981. (Little Rock, Ark.: Briggs Associates, Inc.)  
NAL Call No.: SH1.C65  
(4 ref.)
- 1453** **1981**  
**Feeding periodicity and diel variation in diet composition of subyearling coho salmon, *Oncorhynchus kisutch*, and steelhead, *Salmo gairdneri*, in a small stream during summer.**  
Johnson, J.H.; Johnson, E.Z.  
Fishery bulletin - United States, National Marine Fisheries Service; v. 79, (2), p. 370-376. Apr 1981. (Washington, D.C.: U.S. Government Printing Office.)  
NAL Call No.: 157.5 B87  
(Includes 20 ref.)
- 1454** **1981**  
**The feeding periodicity of striped mullet, *Mugil cephalus* L., in two Florida habitats.**  
Collins, M.R.  
Journal of fish biology; v. 19, (3), p. 307-315. ill. Sept 1981. (London, Academic Press.)  
NAL Call No.: QL614.J68  
(13 ref.)
- 1455** **1981**  
**The first diets of postemergent brook trout (*Salvelinus fontinalis*) and Atlantic salmon (*Salmo salar*) alevins in a Quebec River (Feeding behavior).**  
Williams, D.D.  
Canadian journal of fisheries and aquatic sciences. = Journal canadien des sciences halieutiques et aquatiques; v. 38, (7), p. 765-771. ill. July 1981. (Ottawa: Govt. of Canada, Fisheries and Oceans.)  
NAL Call No.: 442.9 C16J  
(22 ref.)
- 1456** **1981**  
**Fish feeding problems in aquaculture. Problemy zywienia ryb w akwakulturze. POLISH.**  
Dabrowski, K.  
Postepy nauk rolniczych; v. 28, (4), p. 151-167. ill. 1981. (Warszawa, Poland: Panstwowe Wydawn. Rolnicze i Lesne.)  
NAL Call No.: 20.5 P84  
(47 ref.)
- 1457** **1981**  
**Fish oils with different contents of free fatty acids in diets for rainbow trout fingerlings and salmon parr (*Salmo gairdneri*, *Salmo salar*).**  
Austreng, E.; Gjefsen, T.  
Aquaculture; v. 25, (2/3), p. 173-183. Aug 1981. (Amsterdam: Elsevier Scientific Publishing.)  
NAL Call No.: SH1.A6  
(Bibliography p. 182-183.)
- 1458** **1981**  
**Food and feeding habits of the white prawn *Penaeus merguensis* (Malaysia).**  
Ching, V.C.; Sasekumar, A.  
Marine ecology progress series; v. 5, (2), p. 185-191. map. May 31, 1981. (Halstenbek, Ger.: Inter-Research.)  
NAL Call No.: QH541.5.S3M32  
(Includes 18 ref.)
- 1459** **1981**  
**The food and feeding of captive fish.**  
Cowey, C.B.  
Aquarium systems / edited by A.D. Hawkins; p. 223-246. 1981. (London: New York :)  
NAL Call No.: SF457.A67  
(5 p. ref.)
- 1460** **1981**  
**The food composition of carp fry Co-r. Slozeni potrawy kapriho pludku Ko-r pri intenzivnim odchovu v predvytaznicich. CZECH.**  
Sukop, I.  
Zivocisna vyroba - Ceskoslovenska akademie zemedelska, Ustav vedeckotechnickych informaci pro zemedelstvi; v. 26, (11), p. 821-828. Nov 1981. (Praha: Ustav.)  
NAL Call No.: 49.9 C33  
(Includes 13 ref.)
- 1461** **1981**  
**Formulation, processing and water stability of two new pelleted fish feeds (Rice bran, groundnut oil cake, tapioca flour, fish meal and dried silk-worm pupae).**  
Jayaram, M.G.; Shetty, H.P.C.  
Aquaculture; v. 23, (1/4), p. 355-359. Apr 1981. (Amsterdam: Elsevier Scientific Publishing.)  
NAL Call No.: SH1.A6  
(9 ref.)
- 1462** **1981**  
**How important is fishmeal in fish feeds.**  
Lovell, T.  
Aquaculture magazine; v. 7, (4), p. 36-37, 61. May/June 1981. (Little Rock, Ark.: Briggs Associates, Inc.)  
NAL Call No.: SH1.C65
- 1463** **1981**  
**Inexpensive automatic feeder for fish-fry rearing troughs (*Ictalurus punctatus*).**  
Winfree, R.A.; Stickney, R.R.



The Progressive fish culturist; v. 43, (3), p. 155-156. ill. July 1981. ((s.l.): United States Fish and Wildlife Service.)  
NAL Call No.: 157.5 P94  
(Includes 2 ref.)

**1464** **1981**  
**Influence of feed on the market quality of fish.**  
**Matkvalitet pa fisken--verknad av foret. NORWEGIAN.**  
Austreng, E.; Asgard, T.  
Fiskets gang - Norway, Fiskeridirektoratet; v. 67, (18), p. 596-597. 1981. (Bergen: Direktoratet.)  
NAL Call No.: 414.8 F54

**1465** **1981**  
**Linseed oil and animal fat as alternative lipid sources in dry diets for chinook salmon (*Oncorhynchus tshawytscha*).**  
Mugrditchian, D.S.; Hardy, R.W.; Iwaoka, W.T.  
Aquaculture; v. 25, (2/3), p. 161-172. Aug 1981. (Amsterdam: Elsevier Scientific Publishing.)  
NAL Call No.: SH1.A6  
(22 ref.)

**1466** **1981**  
**Liquid fertilizers for fish ponds (Increase fish production).**  
Boyd, C.E.  
Highlights of agricultural research - Alabama, Agricultural Experiment Station; v. 28, (4), p. 3. ill. Winter 1981. (Auburn: The Station.)  
NAL Call No.: 100 AL1H

**1467** **1981**  
**A method for determination of feed intake in salmonids using radioactive isotopes (Rainbow trout (*Salmo gairdneri*)).**  
Storebakken, T.; Austreng, E.; Steenberg, K.  
Aquaculture; v. 24, (1/2), p. 133-142. ill. May 1981. (Amsterdam: Elsevier Scientific Publishing.)  
NAL Call No.: SH1.A6  
(18 ref.)

**1468** **1981**  
**Micro-encapsulated feed enhances dietary value of *Artemia* (to marine fish or shrimp larvae).**  
Holland, D.L.; Jones, D.A.  
Fish farming international; v. 8, (4), p. 17. ill. Dec 1981. (London: Arthur J. Heighway.)  
NAL Call No.: SH151.F5

**1469** **1981**  
**New developments in fish nutrition in the South.**  
Lovell, T.  
Aquaculture magazine; v. 7, (5), p. 38-39. July/Aug 1981. (Little Rock, Ark.: Briggs Associates, Inc.)  
NAL Call No.: SH1.C65

**1470** **1981**  
**Nutrient requirements of coldwater fishes.**  
Washington, D.C: National Academy Press; 1981. vii, 63 p.: ill.; 28 cm.  
NAL Call No.: 389.7 N2122 no.16  
(National Research Council. Committee on Animal Nutrition. Nutrient requirements of domestic animals ; no. 16)  
(Bibliography: p. 51-63.)

**1471** **1981**  
**On the inhibitory effect of some steroids (as a feed supplement) on spermatogenesis in adult rainbow trout (*Salmo gairdneri*).**

Billard, R.; Breton, B.; Richard, M.  
Canadian journal of zoology. = Journal canadien de zoologie; v. 59, (8), p. 1479-1487. ill. Aug 1981. (Ottawa: National Research Council of Canada.)  
NAL Call No.: 470 C16D  
(23 ref.)

**1472** **1981**  
**PARTIAL REPLACEMENT OF CONCENTRATED FISH FOOD (PELLETS) WITH CHICKEN DROPPINGS.**  
JOSEPH, D.  
BAMIDGEH 33 (1), 24-28.  
Aquaculture Data Base No.: 9128

**1473** **1981**  
**Practical diet for mass culture of the rotifer *Brachionus plicatilis*: application to larval rearing of sea bass, *Dicentrarchus labrax*.**  
Gatesoupe, F.J.; Luquet, P.  
Aquaculture; v. 22, (1/2), p. 149-163. ill. Jan 1981. (Amsterdam: Elsevier Scientific Publishing.)  
NAL Call No.: SH1.A6  
(Bibliography p. 162-163.)

**1474** **1981**  
**Predation by pellet-reared tiger muskellunge (*Esox masquinongy*, *Esox lucius*) on minnows and bluegills in experimental systems (in Wisconsin lakes).**  
Gillen, A.L.; Stein, R.A.; Carline, R.F.  
Transactions of the American Fisheries Society; v. 110, (2), p. 197-209. ill. Mar 1981. (Lawrence, Kan.: The Society.)  
NAL Call No.: 414.9 AM3  
(22 ref.)

**1475** **1981**  
**Preliminary observations on the growth of ikan Jelawat, *Leptobarbus hoeveni* (Blk.), fed poultry processing wastes (Freshwater fish culture, Malaysia).**  
Chan, E.H.; Oh, B.T.; Ang, K.J.  
Pertanika; v. 4, (1), p. 94-95. July 1981. (Serdang, Selangor: Universiti Pertanian Malaysia.)  
NAL Call No.: S19.P4  
(Includes 1 ref.)

**1476** **1981**  
**PRELIMINARY TESTS ON THE SUITABILITY OF COFFEE PULP IN THE DIETS OF COMMON CARP (*CYPRINUS CARPIO* L.) AND CATFISH (*CLARIAS MOSSAMBICUS* PETERS).**  
CHRISTENSEN, M.S.  
AQUACULTURE 25 (2,3), 235-242.  
Aquaculture Data Base No.: 9549

**1477** **1981**  
**Problems of the first feeding of carp fry in the hatchery. Probleme der ersten Ernährung von Karpfenbrut im Bruthaus. GERMAN.**  
Lukowicz, M. von.  
Bayerisches landwirtschaftliches Jahrbuch; v. 58, (1), p. 58-62. 1981. (Munchen: BLV Verlagsgesellschaft.)  
NAL Call No.: 18 L24  
(9 ref.)

**1478** **1981**  
**PRODUCTION OF NANNOCHLORIS SPEC. (CHLOROPHYCEAE) IN LARGE-SCALE OUTDOOR TANKS AND ITS USE AS A FOOD ORGANISM IN MARINE AQUACULTURE.**  
WITT, U.; KOSKE, P.H.; KUHLMANN, D.; LENZ, J.; NELLEN, W.

AQUACULTURE 23 (1-4), 171-181.  
Aquaculture Data Base No.: 8838

1479 1981

Rapeseed meal in the diet for common carp reared in heated waters. III. Metal concentration in tissues. Dabrowski, K.; Krasnicki, K.; Kozłowska, H. Zeitschrift für Tierphysiologie, Tierernährung und Futtermittelkunde = Journal of animal physiology and animal nutrition; v. 46, (5), p. 273-282. ill. 1981. (Hamburg: Parey.)  
NAL Call No.: 389.78 Z3  
(Includes 28 ref.)

1480 1981

Research concerning the feeding of the baby carp and baby phytoplanktonophages. Cercetari privind furajarea puietului de crap si speciilor fito-planctonofage. RUMANIAN. Lustun, L.; Zabava, I. Lucrari stiintifice. Seria D: Zootehnie; v. 23, p. 73-76. 1980 (pub. 1981). (Bucuresti: Ministerul Educatiei si Invatamintului, Institutul Agronomic "Nicolae Balcescu".)  
NAL Call No.: SF15.R8I52  
(Includes 4 ref.)

1481 1981

The role of formula feeds and natural productivity in culture of the prawn, *Macrobrachium rosenbergii*. Fair, P.H.; Fortner, A.R. Aquaculture; v. 24, (3/4), p. 233-243. June 1981. (Amsterdam: Elsevier Scientific Publishing.)  
NAL Call No.: SH1.A6  
(22 ref.)

1482 1981

A simple and inexpensive system for continuous monoxenic mass culture of marine microalgae (as food for filter-feeding larval stages of marine fish). Trotta, P. Aquaculture; v. 22, (4), p. 383-387. ill. Mar 1981. (Amsterdam: Elsevier Scientific Publishing.)  
NAL Call No.: SH1.A6  
(7 ref.)

1483 1981

Soldier fly larvae as feed in commercial fish production (*Hermetia illucens*, catfish and tilapia). Bondari, K.; Sheppard, D.C. Aquaculture; v. 24, (1/2), p. 103-109. May 1981. (Amsterdam: Elsevier Scientific Publishing.)  
NAL Call No.: SH1.A6  
(12 ref.)

1484 1981

The suitability of frozen and freeze-dried zooplankton as food for fish larvae: a biochemical test program (Austria). Grabner, M.; Wieser, W.; Lackner, R. Aquaculture; v. 26, (1/2), p. 88-94. ill. Nov 1981. (Amsterdam: Elsevier Scientific Publishing.)  
NAL Call No.: SH1.A6  
(13 ref.)

1485 1981

Supplemental feeding of fish--you got to do it right. Pachner, L.C.

Farm pond harvest; v. 15, (3), p. 10-11, 26. ill. Summer 1981. (Kankakee, Ill.: Professional Sportsman's.)  
NAL Call No.: SH1.F3

1486 1981

Trout feed processing with fish oils. Grassatura dei mangimi per trote con oliidi pesce. ITALIAN. Simonutti, T.; Ceschia, G.; Giorgetti, G. Informatore zootecnico; v. 28, (5), p. 79-80. ill. Mar 15, 1981. (Bologna: Edagricole.)  
NAL Call No.: 49 IN3

1487 1981

USE AND PRODUCTION OF MICROALGAE AS FOOD FOR NURSERY BIVALVES. DE PAUW, N. EUROPEAN MARICULTURE SOCIETY SPECIAL PUBLICATION NO.7, PROCEEDINGS OF THE INTERNATIONAL WORKSHOP ON NURSERY CULTURING OF BIVALVE MOLLUSCS, GHENT, BELGIUM, 24-26 FEB., 1981, 35-69.  
Aquaculture Data Base No.: 9433

1488 1981

The use of a biodeposition collector for estimation of assimilation efficiency in oysters (*Diatom Thalassiosira pseudonana*, feeding). Valenti, C.C.; Epifanio, C.E. Aquaculture; v. 25, (1), p. 89-94. ill. July 1981. (Amsterdam: Elsevier Scientific Publishing.)  
NAL Call No.: SH1.A6  
(13 ref.)

1489 1981

Use of slaughter house waste as a feed for shrimps & prawns (*Metapenaeus monoceros*, *Metapenaeus dobsoni*, *Sarotherodon mossambicus* and *Etroplus suratensis*). Sumitra-Vijayaraghavan.; Royan, J.P.; Krishna Kumari, L. Indian journal of marine sciences; v. 10, (4), p. 390-392. Dec 1981. (New Delhi: Council of Scientific & Industrial Research, Publications & Information Directorate.)  
NAL Call No.: QH91.A1I48  
(Includes 25 ref.)

1490 1981

Usefulness of feeding protein and non-protein calories apart in studies on energy-protein interrelationships in rainbow trout. Kaushik, S.J.; Luquet, P.; Blanc, D. Annales de zootechnie; v. 30, (1), p. 3-11. ill. 1981. (Paris: Institut national de la recherche agronomique.)  
NAL Call No.: 49 F84  
(11 ref.)

1491 1981

Utilisation of duck weed and waste cabbage leaves in the formulation of fish feed (Intensive fish culture). Devaraj, K.V.; Krishna Rao, D.S.; Keshavappa, G.Y. The Mysore journal of agricultural sciences; v. 5, (1), p. 132-135. 1981. (Hebbal, India: K. A. Jalibal.)  
NAL Call No.: S19.M9  
(9 ref.)



1980

1492 1980

**American experience in the mass culture of micro-algae for feeding larvae of the American oyster, *Crassostrea virginica*.**

Ukeles, R.

Algae biomass : production and use / (sponsored by the National Council for Research and Development, Israel and the Gesellschaft für Strahlen- und Umweltforschung (GSF), Munich, Germany) ; editors, Gedaliah Shelef, Carl J. Soeder; p. 287-306. ill. 1980. (Amsterdam: Elsevier/North-Holland Biomedical Press.)

NAL Call No.: SH389.A44

(Bibliography p. 303-306.)

1493 1980

**APOVECHAMIENTO DE LAS AGUAS Y EXCRETAS DE LA EXPOTACION PORCINA PARA EL CULTIVO DE PECES EN PANAMA.**

MALCA, R.P.

REVISTA LATINOAMERICANO DE ACUICULTURA 3, 29-33. (IN SPANISH WITH ENGLISH ABSTRACT).

Aquaculture Data Base No.: 8507

1494 1980

**Association and feeding relationships between *Eogammarus confervicolus* (Amphipoda, Gammaridae) and benthic algae (*Prasiola meridionalis*) on Sturgeon and Roberts banks, Fraser River Estuary.**

Pomeroy, W.M.; Levings, C.D.

Canadian journal of fisheries and aquatic sciences. = Journal canadien des sciences halieutiques et aquatiques; v. 37, (1), p. 1-10. ill., maps. Jan 1980. (Ottawa: Govt. of Canada, Fisheries and Oceans.)

NAL Call No.: 442.9 C16J

(25 ref.)

1495 1980

**Automatic distribution of feeds in fish culture. Distribuzione automatica degli alimenti in piscicoltura.**

Informatore zootecnico; v. 27, (19), p. 34-35. ill. Oct 15, 1980. (Bologna: Edagricole.)

NAL Call No.: 49 IN3

1496 1980

**THE BREAKDOWN OF FEEDING NICHES IN FISH PONDS UNDER CONDITIONS OF SEVERE COMPETITION.**

SCHROEDER, G.L.

BAMIDGEH 32 (1), 20-24.

Aquaculture Data Base No.: 7794

1497 1980

**Changes in the levels of circulating plasma free amino acids of carp (*Cyprinus carpio*) after feeding a protein and an amino acid diet of similar composition.**

Plakas, S.M.; Katayama, T.; Tanaka, Y.; Deshimaru, O. Aquaculture; v. 21, (4), p. 307-322. ill. Dec 1980.

(Amsterdam: Elsevier Scientific Publishing.)

NAL Call No.: SH1.A6

(Bibliography p. 321-322.)

1498 1980

**COMBINED FEEDING OF EXTRUDED AND PELLETTED FISH DIETS.**

LOVELL, T.

AQUACULTURE MAGAZINE 6 (2), 50-51.  
Aquaculture Data Base No.: 7523

1499 1980

**Composition of commercial feeds for various fish species. Composizione dei mangimi del commercio per le specie ittiche. ITALIAN.**

Informatore zootecnico; v. 27, (2), p. 39-40. Jan 31, 1980. (Bologna: Edagricole.)

NAL Call No.: 49 IN3

1500 1980

**Condition and production of energy reserves in carp fry as influenced by fat feed additives. Ovlivnení kondice a tvorby energetických rezerv u kapriho pludku krmnými tukovými přísadkami. CZECH.**

Jirasek, J.; Ingr, I.; Spurny, P.

Zivocisna vyroba - Ceskoslovenska akademie zemedelska, Ustav vedeckotechnických informací pro zemedelství; v. 25, (11), p. 801-808. Nov 1980. (Praha: Ustav.)

NAL Call No.: 49.9 C33

(23 ref.)

1501 1980

**Culture of *Artemia* (brine shrimp) on rice bran: the conversion of a waste-product into highly nutritive animal protein.**

Sorgeloos, P.; Baeza-Mesa, M.; Bossuyt, E.; Bruggeman, E.; Dobbelaire, J.; Versichele, D.; Lavina, E.; Bernardino, A.

Aquaculture; v. 21, (4), p. 393-396. Dec 1980.

(Amsterdam: Elsevier Scientific Publishing.)

NAL Call No.: SH1.A6

(9 ref.)

1502 1980

**Decapsulated brine shrimp cysts--an ideal feed for shrimps in aquaculture (*Artemus salina* fed to *Metapenaeus monoceros*).**

Royan, J.P.

Indian journal of marine sciences; v. 9, (2), p. 125-127.

ill. June 1980. (New Delhi: Council of Scientific & Industrial Research.)

NAL Call No.: QH91.A1148

(15 ref.)

1503 1980

**Effect granulated mixed feed for the commercial fattening of American channel catfish.**

Sklyarov, V. Ya.

Cairo: ESDUCK; 1980. 5 leaves.

NAL Call No.: TRANSL 26770

Translated from Russian for the SEA, USDA and the National Science Foundation, TT 79-58214 Translated from: Rybnoe khozyaistvo, Moscow, no. 4:23-25, 1978.

1504 1980

**Effect of feeds with a low content of aflatoxin B1 on the health condition of carp (*Cyprinus carpio* L.). Vliv krmiva s nizkym obsahem aflatoxinu B1 na zdravotni stav kapru (*Cyprinus carpio* L.). CZECH.**

Svobodova, Z.; Piskac, A.

Zivocisna vyroba - Ceskoslovenska akademie zemedelska, Ustav vedeckotechnických informací pro zemedelství; v.

25, (11), p. 809-814. Nov 1980. (Praha: Ustav.)

NAL Call No.: 49.9 C33

(25 ref.)

1505 1980

**Effect of *Geotrichum candidum* protein substitution in pelleted fish feed on the growth of rainbow trout (*Salmo gairdneri* Rich.) and on utilization of the diet.**

Dabrowski, K.; Hassard, S.; Quinn, J.; Pitcher, T.J.;  
 Flinn, A.M.  
 Aquaculture; v. 21, (3), p. 213-232. ill. Nov 1980.  
 (Amsterdam: Elsevier Scientific Publishing.)  
 NAL Call No.: SH1.A6  
 (Bibliography p. 230-232.)

1506 1980  
**THE EFFECT OF MINERAL ADDITIVES IN FOOD ON BIOSYNTHETIC PROCESSES AND THE GROWTH OF CARP.**  
 YEVTUSHENKO, N.Y.  
 HYDROBIOLOGICAL JOURNAL 16 (1) 40-43.  
 Aquaculture Data Base No.: 8779

1507 1980  
**Effect of mineral supplements to the feed on biosynthetic processes and growth of carp. RUSSIAN.**  
 Evtushenko, N.IU.  
 Gidrobiologicheskii zhurnal. = Hydrobiological Journal; v. 16, (1), p. 52-56. ill. 1980. (Kiev: "Naukova dumka".)  
 NAL Call No.: QH90.A1G5  
 (9 ref.)

1508 1980  
**The effect of oral administration of trenbolone acetate (as a feed supplement) on the growth and tissue chemistry of common carp, *Cyprinus carpio* L.**  
 Lone, K.P.; Matty, A.J.  
 Pakistan journal of zoology; v. 12, (1), p. 47-56. 1980.  
 (Lahore: Zoological Society of Pakistan.)  
 NAL Call No.: QL1.P3  
 (22 ref.)

1509 1980  
**THE EFFECT OF THE METHOD OF SUPPLEMENTARY FEED APPLICATION ON THE FEEDING HABITS OF CARP (*CYPRINUS CARPIO* L.) WITH REGARD TO NATURAL FOOD IN PONDS.**  
 SPATARU, P.; HEPHER, B.; HALEVY, A.  
 HYDROBIOLOGIA 72 (1-2), 171-178.  
 Aquaculture Data Base No.: 8215

1510 1980  
**Ensilaging of feed for fish. Syrekonservering av for til fisk. NORWEGIAN.**  
 Austreng, E.  
 Aktuelt - Norway, Landbruksdepartementet, Opplysningsstjeneste; (1), p. 368-373. 1980. (Oslo: Det Tjeneste.)  
 NAL Call No.: S11.N68

1511 1980  
**Feed formulation (for fish) and feed technology.**  
 Braekkan, O.R.  
 Nutrition and food science; present knowledge and utilization; v. 2, p. 157-159. 1980. (New York: Plenum.)  
 NAL Call No.: TX345.I53  
 (9 ref.)

1512 1980  
**Feeding and feed interrelations of carp and Chinese chebacbok fingerlings in rearing ponds of the Tasbkent fish nursery (*Cyprinus carpio* and *Pseudorasbora parva*). RUSSIAN.**  
 Turgunova, U.T.; Strel'tsova, V.T.; Akhmedov, Kh.IU.;  
 Ishankhodzhaev, B.M.

Uzbekskii biologicheskii zhurnal; (2), p. 64-66. 1980.  
 (Tashkent: "Fan".)  
 NAL Call No.: 442.8 UZ1

1513 1980  
**Feeding and food interrelations of this year's fry of carp and Amur bream (*Leuciscus*) in rearing ponds of the Tashrybopitomnik (Tash Fish Nursery, Uzbek SSR). RUSSIAN.**  
 Turgunova, U.T.; Strel'tsova, V.I.; Akhmedov, Kh.IU.;  
 Ishankhodzhaev, B.M.  
 Uzbekskii biologicheskii zhurnal; (2), p. 64-66. 1980.  
 (Tashkent: "Fan".)  
 NAL Call No.: 442.8 UZ1

1514 1980  
**FEEDING BEHAVIOR AND FOOD PREFERENCE OF *PENAEUS MONODON FABRICIUS* WITH SCRAP *TILAPIA*.**  
 APUD, F.D.; DEATRAS, N.; GONZALES, K.  
 SEAFDEC QUARTERLY RESEARCH REPORT 4 (3), 19-21.  
 Aquaculture Data Base No.: 9680

1515 1980  
**The feeding habits of early stages of *Sparus auratus* L., *Dicentrarchus labrax* L., *Liza ramada* Risso and *Liza aurata* Risso in the Sacca di Scardovari (Po River Delta). Il regime alimentare degli stadi giovanili di orata, bransino, botolo e lotregano nella Sacca di Scardovari. ITALIAN.**  
 Chierigato, A.R.; Ferrari, I.; Rossi, R.  
 Atti; Serie B: Memorie - Societa toscana di scienze naturali; v. 86, (suppl.), p. 104-107. ill. 1979 (pub. 1980). (Pisa: La Societa.)  
 NAL Call No.: 507 SO12  
 (3 ref.)

1516 1980  
**Feeding of crucian carp in Yashil'kul' Lake in the Pamir. RUSSIAN.**  
 Kondur, L.V.  
 Akhboroti Akademiiai fankhoi RSS Tochikiston, shu"bai fankhoi biologi. = Izvestiia Akademii nauk Tadzhikskoi SSR, otdelenie biologicheskikh nauk; (2), p. 104-105. Apr/June 1980. (Dushanbe: Akademiia.)  
 NAL Call No.: 20 AK132  
 (3 ref.)

1517 1980  
**Feeding Tilapia (or *Saratherodon* species).**  
 Lovell, K. T.  
 Aquaculture magazine; v. 7, (1), p. 42-43. ill. Nov/Dec 1980. (Little Rock, Ark.: Briggs Associates, Inc.)  
 NAL Call No.: SH1.C65

1518 1980  
**FISH FARMING HANDBOOK L.NUTRITION AND FEEDING.**  
 LOVELL, R.T.  
 FISH FARMING HANDBOOK, AVI PUBLISHING COMPANY, INC., 207-236.  
 Aquaculture Data Base No.: 9196

1519 1980  
**FISH FARMING IN MANURE-LOADED PONDS.**  
 SCHROEDER, G.L.



ICLARM CONFERENCE PROCEEDINGS 4,  
INTEGRATED AGRICULTURE-AQUACULTURE  
FARMING SYSTEMS, MANILA, PHILIPPINES, 6-9  
AUGUST 1979, 73-86.  
Aquaculture Data Base No.: 8845

1520 1980  
Fish feeding technology (Pellets, allowance, equipment).  
Nose, T.  
Nutrition and food science; present knowledge and  
utilization; v. 2, p. 161-170. 1980. (New York: Plenum.)  
NAL Call No.: TX345.I53  
(Bibliography p. 168-170.)

1521 1980  
Food and feeding habits of adult *Mugil curema*  
(Valenciennes) (mullet) in the brackish water ponds and  
the potengi estuary--in Rio Grande do Norte--Brazil.  
Ramanathan, S.; Araujo, R.A. de.; Chellappa, N.T.  
Ciencia e cultura - Sociedade Brasileira para o Progresso  
da Ciencia; v. 32, (5), p. 578-580. May 1980. (Sao Paulo:  
A Sociedade.)  
NAL Call No.: Q33.C5  
(11 ref.)

1522 1980  
Food and feeding habits of *Tilapia nilotica* (L.)  
(Perciformes: Cichlidae). II. Diel and seasonal patterns  
of feeding.  
Dewan, S.; Saha, S.N.  
Bangladesh journal of zoology; (pub 1980). (2), p. 75-80.  
ill. Dec 1979 (pub 1980). (Dacca: Zoological Society of  
Bangladesh.)  
NAL Call No.: QL1.B3  
(15 ref.)

1523 1980  
Food and feeding in prawns in hatchery and intensive  
rearing systems (*Penaeus monodon*).  
Rajyalakshmi, T.  
Papers ... Summer School on Fishery Biology; (pub.  
1980), p. 63-71. ill. 1978 (pub. 1980). (New Delhi: Indian  
National Science Academy.)  
NAL Call No.: SH332.S9  
(Includes 5 ref.)

1524 1980  
FOOD POTENTIAL OF AQUATIC  
MACROPHYTES.  
EDWARDS, P.  
ICLARM STUDIES AND REVIEWS 5, 1-51.  
Aquaculture Data Base No.: 8862

1525 1980  
Food selection and feeding habits of *Tilapia mossambica*  
Peters in different ecological habitats.  
Aravindan, C.M.  
Proceedings of the Indian National Science Academy.  
Part B. Biological sciences; v. 46, (1), p. 54-57. 1980.  
(New Delhi: The Academy.)  
NAL Call No.: 513 N212 PT.B  
(17 ref.)

1526 1980  
GROWTH AND SURVIVAL OF LAKE TROUT FED  
EXPERIMENTAL STARTER DIETS.  
REINITZ, G.

THE PROGRESSIVE FISH-CULTURIST 42 (2),  
100-102.  
Aquaculture Data Base No.: 7835

1527 1980  
Growth, development and body size of field and  
laboratory populations of *Daphnia ambigua* (Food source  
for fish).  
Lei, C.H.; Armitage, K.B.  
Oikos; v. 35, (1), p. 31-48. ill. Aug 1980. (Copenhagen:  
Munksgaard.)  
NAL Call No.: 410 O14  
(Bibliography p. 46-48.)

1528 1980  
THE IMPORTANCE OF CHIRONOMID LARVAE  
AS NATURAL FEED AND AS A BIOLOGICAL  
INDICATOR OF SOIL CONDITION IN PONDS  
CONTAINING COMMON CARP (*CYPRINUS*  
*CARPIO*) AND TILAPIA (*SAROTHERODON*  
*AUREUS*).  
ZUR, O.  
BAMIDGEH 32 (3), 66-77.  
Aquaculture Data Base No.: 8442

1529 1980  
The importance of chironomid larvae as natural feed and  
as a biological indicator of soil condition in ponds  
containing common carp (*Cyprinus carpio*) and tilapia  
(*Sarotherodon aureus*).  
Zur, O.  
Bamidgeh. = Bulletin of Fish Culture in Israel; v. 32, (3),  
p. 66-77. ill. Sept 1980. (Nir-David: Joint Agricultural  
Extension Centre.)  
NAL Call No.: 414.8 B21  
(Bibliography p. 75-77.)

1530 1980  
INDUCED FEEDING AND GROWTH  
ENHANCEMENT OF BLACK DRUM WHEN  
CULTURED WITH FLORIDA POMPAÑO AND  
WITH STRIPED MULLET.  
ROSSBERG, K.S.; STRAWN, R.K.  
PROCEEDINGS OF THE ELEVENTH ANNUAL  
MEETING, WORLD MARICULTURE SOCIETY,  
NEW ORLEANS, LOUISIANA, MARCH 5-8, 1980,  
226-234.  
Aquaculture Data Base No.: 9033

1531 1980  
Induction of ichthyosporidiosis (*Ichthyosporidium*  
(*Ichthyophonus*) *hoferi*) in brown trout (*Salmo trutta*) by  
feeding of raw mullet.  
Slocombe, R.F.  
Australian veterinary journal; v. 56, (12), p. 585-587. ill.  
Dec 1980. (Artarmon, N.S.W.: Australian Veterinary  
Association.)  
NAL Call No.: 41.8 AU72  
(9 ref.)

1532 1980  
Influence of different diets on the proximate body  
composition of *Catla catla*, *Labeo rohita* and *Cyprinus*  
*carpio* (Carp culture, India).  
Jayaram, M.G.; Shetty, H.P.C.  
The Mysore journal of agricultural sciences; v. 14, (3), p.  
381-384. 1980. (Hebbal, Bangalore: University of  
Agricultural Sciences.)  
NAL Call No.: S19.M9  
(18 ref.)

- 1533 1980  
An interim report on food and growth of walleyes, *Stizostedion vitreum vitreum* (Mitchill), from four rearing ponds bordering on Lake Winnipegosis, Manitoba in 1978 and 1979.  
Gillies, D. G.; Green, D. J.  
(Winnipeg): Manitoba Dept. of Natural Resources, Fisheries Branch; 1980. viii, 62 p.: ill., map; 28 cm.  
NAL Call No.: SH351.W3G54  
Cover title.  
(MS report / Manitoba. Dept. of Natural Resources ; no. 80-38)  
(Bibliography: p. 59-62.)
- 1534 1980  
Microelements in the soils of the Kizanskii sturgeon fish hatchery in Astrakhan Region (RSFSR). RUSSIAN.  
Zaitsev, V.F.; Filatova, A.K.  
Rol' mikroelementov v zhizni vodoemov, Akademiia nauk SSSR, Vsesoiuznoe gidrobiologicheskoe oshchestvo ; (otvetstvennyi redaktor V. T. Vorob'ev); p. 68-74. 1980. (Moskva: Nauka.)  
NAL Call No.: SH154.R6  
(15 ref.)
- 1535 1980  
Microelements in the water of fish-farming ponds of the lower Volga delta and the northern Caspian area (USSR).  
Samilkin, N.S.; Samoilov, V.V.; Kaliev, S.G.; Makarenko, V.V.; Antonova, L.A.  
Rol' mikroelementov v zhizni vodoemov, Akademiia nauk SSSR, Vsesoiuznoe gidrobiologicheskoe oshchestvo ; (otvetstvennyi redaktor V. T. Vorob'ev); p. 107-111. 1980. (Moskva: Nauka.)  
NAL Call No.: SH154.R6  
(14 ref.)
- 1536 1980  
Nitrogen balance in (rainbow) trout. II. Nitrogen excretion and retention after feeding diets with varying protein and carbohydrate levels.  
Rychly, J.  
Aquaculture; v. 20, (4), p. 343-350. ill. Aug 1980. (Amsterdam: Elsevier Scientific Publishing.)  
NAL Call No.: SH1.A6  
(27 ref.)
- 1537 1980  
OBSERVATIONS ON THE ACCUMULATION OF FAT IN CARP AND SAROTHERODON (TILAPIA) FED OIL-COATED PELLETS.  
VIOLA, S.; AMIDAN, G.  
BAMIDGEH 32 (2), 33-40.  
Aquaculture Data Base No.: 8151
- 1538 1980  
Optimisation of Artemia feeding rate for carp larvae (*Cyprinus carpio* L.) (Fresh fish production).  
Bryant, P.L.; Matty, A.J.  
Aquaculture; v. 21, (3), p. 203-212. ill. Nov 1980. (Amsterdam: Elsevier Scientific Publishing.)  
NAL Call No.: SH1.A6  
(15 ref.)
- 1539 1980  
Organoleptic evaluation of flesh of carps fed on different kinds of feeds (*Catla catla*, *Labeo rohita* and *Cyprinus carpio*).  
Jayaram, M.G.; Shetty, H.P.C.; Udupa, K.S.
- The Mysore journal of agricultural sciences; v. 14, (3), p. 421-424. 1980. (Hebbal, Bangalore: University of Agricultural Sciences.)  
NAL Call No.: S19.M9  
(17 ref.)
- 1540 1980  
Physicochemical characteristics of soil and water in relation to fish food production.  
Singh, R.K.  
Journal of the Indian Society of Soil Science; v. 28, (2), p. 227-231. June 1980. (New Delhi: Indian Society of Soil Science.)  
NAL Call No.: 56.9 IN2  
(5 ref.)
- 1541 1980  
Preliminary evaluation on the potential utilization of distiller's solubles (slops) for the culture of the blue tilapia (*Tilapia aurea*) (Rum distillation waste products used as fish feed).  
Pagan-Font, F.A.; Kohler, C.; Weiler, D.  
The Journal of agriculture of the University of Puerto Rico. Puerto Rico. Agricultural Experiment Station; v. 64, (2), p. 181-189. ill. Apr 1980. (Rio Piedras: The Station.)  
NAL Call No.: 8 P832J
- 1542 1980  
The preparation of water-stable fish feeds. 1. Methodology of feed preparation--a brief resume (Fresh diets, pelleted feed, extruded feeds, feeds bound with synthetic binders).  
Wood, J.F.  
Tropical science; v. 22, (4), p. 351-356. 1980. (London: Her Majesty's Stationery Office.)  
NAL Call No.: 26 T756  
(Includes ref.)
- 1543 1980  
The preparation of water-stable fish feeds. 2. The potential for fish silage as a fish feed ingredient.  
Wood, J.F.  
Tropical science; v. 22, (4), p. 357-361. 1980. (London: Her Majesty's Stationery Office.)  
NAL Call No.: 26 T756  
(Includes 13 ref.)
- 1544 1980  
Prey selection by young trout fry (*Salmo trutta*) (Feeding behaviour).  
Fahy, E.  
Journal of zoology; v. 190, (pt.1), p. 27-37. ill. Jan 1980. (London: Academic Press.)  
NAL Call No.: 410.9 L84P  
(Includes 12 ref.)
- 1545 1980  
Rearing of sea-bass (*Dicentrarchus labrax* L.) larvae on frozen zooplankton (Rotifera, Copopoda and Daphnia): preliminary results. Elevage des larves de loup (*Dicentrarchus labrax*, L.) a l'aide d'organismes du zooplancton congele: resultats preliminaires. FRENCH.  
Kentouri, M.  
Aquaculture; p. 171-180. ill. 1980. (Amsterdam: Elsevier Scientific Publishing.)  
NAL Call No.: SH1.A6  
(20 ref.)
- 1546 1980  
Recent developments of the concept of essential fatty acid in fish (Feeding). Developpements recents de la notion d'acide gras essentiel chez les poissons. FRENCH.



FEEDING AND NUTRITION

- Leger, C.  
Paris: Centre national de la recherche scientifique; 1980.  
p. 207-215. ill.  
NAL Call No.: 389.8 AN73  
Literature review.  
(Bibliography p. 214-215.)
- 1547 1980  
**Relationship between rate of feeding, growth and conversion in major Indian carps.**  
Sen, P.R.; Rao, N.G.S.; Mohanty, A.N.  
Indian journal of fisheries; v. 27, (1/2), p. 200-208. ill.  
1980. (Cochin: Indian Council of Agricultural Research.)  
NAL Call No.: SH299.I5  
(7 ref.)
- 1548 1980  
**Results from feeding experiments with fish. Resultater fra foringsforsokene med fisk. NORWEGIAN.**  
Austreng, E.  
Aktuelt - Norway, Landbruksdepartementet, Opplysningstjeneste; (1), p. 353-358. 1980. (Oslo: Det Tjeneste.)  
NAL Call No.: S11.N68
- 1549 1980  
**A review of recycling organic wastes into fish, with emphasis on the tropics (Fish culture).**  
Edwards, P.  
Amsterdam: Elsevier Scientific Publishing; Nov 1980. p. 261-279. ill.  
NAL Call No.: SH1.A6  
Literature review.  
(Bibliography p. 276-279.)
- 1550 1980  
**Role of acclimatized Calanipeda aguae dulcis Kritschagin (Copepoda, Calanoida) in the total biomass of the zooplankton in the southern part of the Aral Sea (Feed for fish fry). RUSSIAN.**  
Kazakhbaev, S.K.  
Uzbekskii biologicheskii zhurnal; (5), p. 75-76. 1980. (Tashkent: "Fan".)  
NAL Call No.: 442.8 UZ1  
(6 ref.)
- 1551 1980  
**Rotifers as a production diet for striped bass fingerlings (Morone saxatilis).**  
Snow, J.R.; Al-Ahmad, T.A.; Parsons, J.E.  
Proceedings of the ... annual conference Southeastern Association of Fish and Wildlife Agencies; (34th), p. 280-291. ill. 1980. ((s.l.): The Association.)  
NAL Call No.: SK1.S6  
(Includes 3 p. ref.)
- 1552 1980  
**Sewage sludge and carrot wastes as supplementary feed for the common carp Cyprinus carpio.**  
Wong, M.H.; Cheung, S.P.  
Environmental pollution. Series A: Ecological and biological; v. 23, (1), p. 29-39. ill. Sept 1980. (Essex, Eng.: Applied Science Publishers.)  
NAL Call No.: QH545.A1E52  
(9 ref.)
- 1553 1980  
**SHOULD FISH PONDS BE FERTILIZED.**  
HERFRICH, L.A.; NIELSEN, L.A.
- VIRGINIA WILDLIFE 41 (1), 16-17.  
Aquaculture Data Base No.: 7354
- 1554 1980  
**Some observations on the swimming behaviour as related to feeding in the red sea bream (Chrysophrys major) larvae reared under laboratory conditions. JAPANESE.**  
Fukuhara, O.; Kishida, T.  
Nansei Kaiku Suisan Kenkyujo kenkyu hokoku. = Bulletin of the Nansei Regional Fisheries Research Laboratory; (12), p. 9-20. ill. Mar 1980. (Hiroshima: The Laboratory.)  
NAL Call No.: SH19.N35  
(23 ref.)
- 1555 1980  
**Spawning migrations, age and growth, and summer feeding of White and Longnose Suckers in an irrigation reservoir (in southern Alberta, fish management).**  
Barton, B.A.  
The Canadian field-naturalist; v. 94, (3), p. 300-303. ill. July/Sept 1980. (Ottawa: Ottawa Field-Naturalists' Club.)  
NAL Call No.: 410.9 OT8  
(25 ref.)
- 1556 1980  
**Studies on some physical factors on the survival and growth of chironomid larvae (Chironomus striatipennis, laboratory rearing for possible source of feed for fish).**  
Koh, Y.C.; Shim, K.F.  
Singapore journal of primary industries; v. 8, (1), p. 39-47. Jan 1980. (Singapore: Primary Production Department.)  
NAL Call No.: S322.S55S55  
(10 ref.)
- 1557 1980  
**Studies on the genetics of feeding behaviour in the cave fish Astyanax mexicanus f. anoptichthys. An example of apparent monofactorial inheritance by polygenes.**  
Schemmel, C.  
Zeitschrift fur Tierpsychologie. = Journal of comparative ethology; v. 53, (1), p. 9-22. ill. 1980. (Berlin: Paul Parey.)  
NAL Call No.: 410 Z35  
(11 ref.)
- 1558 1980  
**Studies on the growth rates of catla, rohu and common carp fed to different formulated feeds.**  
Jayaram, M.G.; Shetty, H.P.C.  
The Mysore journal of agricultural sciences; v. 14, (4), p. 598-606. ill. 1980. (Hebbal, Bangalore: University of Agricultural Sciences.)  
NAL Call No.: S19.M9  
(25 ref.)
- 1559 1980  
**Testing of feed mixture pellets made of preserved fish offals for rainbow trout feeding = Badania granulowanych mieszanek paszowych dla pstraga teczowego, przy zastosowaniu konserwowanych odpadow rybnych.**  
Wojno, Tadeusz.  
Karachi: Saad Publications, Translations Division; 1980. ii, 24 leaves.  
NAL Call No.: TRANSL 26098  
Translated from the Polish for S.E.A., I.P.S., U.S. Dept. of Agriculture and National Science Foundation, TT 80-53088 Translated from: Roczniki nauk rolniczych seria H, vol. 95, no. 2:95-109, 1973.  
(Bibliography: leaves 22-24.)

- 1560 1980  
**TRAINING SUCCESS OF BROOK, BROWN, AND LAKE TROUT FRY ONTO A PREPARED DIET.**  
 WILLIS, D.W.; FLICKINGER, S.A.  
 THE PROGRESSIVE FISH-CULTURIST 42 (4), 241-242.  
 Aquaculture Data Base No.: 8326
- 1561 1980  
 Use of agroindustrial protein byproducts in the feeding of rainbow trout (*Salmo gairdnerii*) in the fry stage. Utilizacion de la proteina proveniente de subproductos agropecuarios en la alimentacion de la trucha arco iris durante el periodo de alevinaje. SPANISH.  
 Grumberg N, J; Burgos W, M.; Gonzalez C, O.  
 Archivos latinoamericanos de nutricion; v. 30, (2), p. 223-235. ill. June 1980. (Guatemala: Sociedad Latinoamericana de Nutricion.)  
 NAL Call No.: 389.8 AR22  
 (15 ref.)
- 1562 1980  
 Use of feed resources in fattening ponds with a polyculture of fish. RUSSIAN.  
 But, V.P.; Mumzhu, E.L.; Malykhina, T.IU.  
 Uzbekskii biologicheskii zhurnal; (6), p. 44-46. 1980. (Tashkent: "Fan".)  
 NAL Call No.: 442.8 UZ1  
 (2 ref.)
- 1563 1980  
 Use of feeds by young local and German carps and features of their growth. RUSSIAN.  
 Zelenov, V.G.  
 Doklady TSKhA - Timiriazevskaiia sel'skokhoziaistvennaia akademiia; (260), p. 119-123. ill. 1980. (Moskva: Akademiia.)  
 NAL Call No.: 20 M857
- 1564 1980  
 The use of lake zooplankton as feed for carp (*Cyprinus carpio* L.) fry in pond culture.  
 Szlauer, B.; Szlauer, L.  
 Acta ichthyologica et piscatoria; v. 10, (1), p. 79-102. ill. 1980. (Szczecin: Academy of Agriculture.)  
 NAL Call No.: QL614.A28  
 (11 ref.)
- 1565 1980  
 Use of microelements in fish farming and some methodical aspects in the study of this problem (Nutritional and physiological aspects). RUSSIAN.  
 Vorob'ev, V.I.  
 Moskva: Nauka; 1980. p. 5-23. ill.  
 NAL Call No.: SH154.R6  
 Literature review.  
 (Bibliography p. 20-23.)
- 1566 1980  
**UTILIZATION OF PIGGERY WASTES IN FISH PONDS.**  
 WOYNAROVICH, E.  
 ICLARM CONFERENCE PROCEEDINGS 4, INTEGRATED AGRICULTURE-AQUACULTURE FARMING SYSTEMS, MANILA, PHILIPPINES, 6-9 AUGUST 1979, 125-128.  
 Aquaculture Data Base No.: 8849
- 1979  
 1567 1979  
**THE EFFECT OF KRILL MEAL ADDITIONS TO FEEDS ON MUSCLE PIGMENTATION IN THE RAINBOW TROUT, SALMO GAIRDNERI.**  
 KOTIK, L.V.; TOLOKONNIKOV, G.Y.; DUBROVIN, V.N.  
 JOURNAL OF ICHTHYOLOGY 19 (5), 119-123.  
 Aquaculture Data Base No.: 8703
- 1568 1979  
**EFFECTS OF DIET ON REPRODUCTION OF BROOD CATFISH.**  
 LOVELL, T.  
 AQUACULTURE MAGAZINE 5 (6), 28.  
 Aquaculture Data Base No.: 7126
- 1569 1979  
 Effects of feeding rate on the growth, conversion efficiency and chemical composition of *Noemacheilus triangularis* (Day) and *Lepidocephalus thermalis* (Cuv. & Val).  
 Kumari, S.D.R.; Nair, N.B.  
 The Journal of animal morphology and physiology; v. 26, (1/2), p. 296-306. ill. June/Dec 1979. (Baroda: Society of Animal Morphologists and Physiologists.)  
 NAL Call No.: 444.8 J823  
 (18 ref.)
- 1570 1979  
**EFFECTS OF FEEDING RATE ON WATER QUALITY, PRODUCTION OF CHANNEL CATFISH, AND ECONOMIC RETURNS.**  
 TUCKER, L.; BOYD, C.E.; MCCOY, E.W.  
 TRANSACTIONS OF THE AMERICAN FISHERIES SOCIETY 108 (4), 389-396.  
 Aquaculture Data Base No.: 7054
- 1571 1979  
**THE EXTRA-CALORIC EFFECT OF OIL IN THE NUTRITION OF CARP.**  
 VIOLA, S.; RAPPORT, U.  
 BAMIDGEH 31 (3), 51-68.  
 Aquaculture Data Base No.: 7387
- 1572 1979  
**FACTORS AFFECTING VOLUNTARY FOOD CONSUMPTION BY CHANNEL CATFISH.**  
 LOVELL, R.T.  
 PROCEEDINGS OF THE WORLD SYMPOSIUM ON FINFISH NUTRITION AND FISHFEED TECHNOLOGY, HAMBURG, 20-23 JUNE, 1978. VOL. 1, 555-564. (REPRINT).  
 Aquaculture Data Base No.: 7370
- 1573 1979  
**FEEDS FOR BAIT FISHES.**  
 LOVELL, T.  
 THE COMMERCIAL FISH FARMER & AQUACULTURE NEWS 5 (2), 35-36.  
 Aquaculture Data Base No.: 6343
- 1574 1979  
**FERTILIZING FISH PONDS III. GROWTH OF MUGIL CAPITO IN EGYPT BY POND FERTILIZATION AND FEEDING.**  
 BISHARA, N.F.



FEEDING AND NUTRITION

AQUACULTURE 16 (1), 47-55.  
Aquaculture Data Base No.: 6448

1575 1979  
Finfish nutrition and fishfeed technology : proceedings of a world symposium.  
Halver, John Emil; Tiews, K.  
Berlin: Heeneman; 1979. 2 v.: ill.; 24 cm.  
NAL Call No.: SH156.W6 1978  
English or French.  
(Schriften der Bundesforschungsanstalt fur Fischerei ; 14/15)  
(Includes bibliographies and index.)

1576 1979  
THE GARDEN POND. FEEDING THE FISH AND MAINTENANCE.  
BOARDER, A.  
THE AQUARIST AND PONDKEEPER 44 (2), 54-56.  
Aquaculture Data Base No.: 6779

1577 1979  
GROWTH OF THE BAY SCALLOP, ARGOPECTEN IRRADIANS, FED AN ARTIFICIAL DIET RICH IN PROTEIN.  
BURLE, E.; KIRBY-SMITH, W.W.  
ESTUARIES 2 (3), 206-208.  
Aquaculture Data Base No.: 6935

1578 1979  
HIGH LEVELS OF VITAMIN C IN FISH FEEDS.  
LOVELL, T.  
AQUACULTURE MAGAZINE 6 (1), 39.  
Aquaculture Data Base No.: 7330

1579 1979  
Influence of water temperature on the growth of this year's carp brood and the effectiveness of feed utilization (Moscow Fish Farming and Reclamation Station, RSFSR).  
Vlasov, V.A.  
Doklady TSKhA - Timiriazevskaia sel'skokhoziaistvennaia akademiia; (255), p. 96-100. 1979. (Moskva: Akademiia.)  
NAL Call No.: 20 M857

1580 1979  
A MECHANICAL VOLUMETRIC FEEDING DEVICE FOR AQUACULTURE RESEARCH.  
O'KEEFE, T.M.; PURDY, C.B.; BRAUER, E.P.; WILLOUGHBY, C.E.  
AQUACULTURE 17 (1), 69-71.  
Aquaculture Data Base No.: 6823

1581 1979  
Microelements and their application in fish-culture. Mikroelementy i ikh primenenie v rybovodstve. RUSSIAN.  
Vorob'ev, V. I.  
Moskva: "Pishchevaia promyshlennost'"; 1979. 181, (1) p.: graphs, maps.  
NAL Call No.: QP534.V67  
Bibliography: p. 167-(182).

1582 1979  
NANNOCHLORIS SPEC. AS A FOOD ORGANISM IN MARINE AQUACULTURE. CULTURE TECHNIQUES, PRODUCTION AND CONSUMPTION BY SECONDARY PRODUCERS.  
WITT, U.; LENZ, J.; KOSKE, P.; KUHLMANN, D.; NELLEN, W.

INTERNATIONAL COUNCIL FOR THE EXPLORATION OF THE SEA, MARICULTURE COMMITTEE PAPER F:11, 13 PP.  
Aquaculture Data Base No.: 7643

1583 1979  
PRIMARY PRODUCTIVITY AND RELATED FISH YIELD IN INTENSELY MANURED FISHPONDS.  
NORIEGA-CURTIS, P.  
AQUACULTURE 17 (4), 335-344.  
Aquaculture Data Base No.: 7019

1584 1979  
PRINCIPLES OF WARMWATER AQUACULTURE. 5. FEEDS, NUTRITION. AND GROWTH.  
STICKNEY, R.R.  
PRINCIPLES OF WARMWATER AQUACULTURE. JOHN WILEY & SONS, 161-221.  
Aquaculture Data Base No.: 7409

1585 1979  
Problem inventory in the field of fish breeding, feeding and growing technic. Probleminventering inom omradena fiskavel, fiskens utfodring och fiskodlingsteknik. SWEDISH.  
Larsson, Bengt.  
Uppsala: Sveriges lantbruksuniversitet, Institutionen for husdjursforadling och sjukdomsgenetik; 1979. 27 p.  
NAL Call No.: SF83.U6U6 (Nr.) 40  
(Sveriges lantbruksuniversitet. Institutionen for husdjursforadling och sjukdomsgenetik. Rapport - Sveriges lantbruksuniversitet, Institutionen for husdjursforadling och sjukdomsgenetik ; 40)  
(Bibliography: p. 27.)

1586 1979  
Raising carp on full-value fodder under warm water conditions. Vyrashchivanie karpa na polnotsennykh kormakh v usloviakh tepykh vod : opyt Cherepetskogo rybkhoza. RUSSIAN.  
Ostroumova, I. N.  
Moskva (113035, Moskva, M-35, l-i Kadashevskii per., 12): Pishchevaia promyshlennost'; 1979. 38, (2) p.: ill.; 20 cm.  
NAL Call No.: SH167.C3V86  
(Obmen peredovym opytom)  
(Bibliography: p. (40).)

1587 1979  
THE ROLE OF NATURAL PRODUCTIVITY AND APPLIED FEEDS IN THE GROWTH OF MACROBRACHIUM ROSENBERGII.  
STAHL, M.S.  
PROCEEDINGS OF THE 10TH ANNUAL MEETING, WMS, HONOLULU, HAWAII, JAN.22-26, 1979, 92-109.  
Aquaculture Data Base No.: 7919

1588 1979  
Studies on the protein requirement for Penaeus kerathurus (shrimp culture). Esperienze sull'identificazione del fabbisogno proteico di Penaeus kerathurus Forskal (Mazzancolla). ITALIAN.  
Della Sala, P.; Palmegiano, G.B.  
Annali della Facolta di medicina veterinaria di Pisa.Pisa. Universita. Facolta di medicina veterinaria; v. 31, p. 249-257. ill. 1978 (pub. 1979). (Pisa: La Facolta.)  
NAL Call No.: 41.9 P67  
(8 ref.)

1589 1979

**A TENTATIVE NUTRIENT BALANCE FOR INTENSIVE FISH PONDS.**

AVNIMELECH, Y.; LACHER, M.  
BAMIDGEH 31 (1), 3-8.  
Aquaculture Data Base No.: 7317

1590 1979

**Trials in feeding (the fish) Colossoma macropomum, Mylossoma sp., Semaprochilodus theraponura and Brycon melanopterus (Brazil). Experiencias de alimentacao com tambaqui (Colossoma macropomum), pacu (Mylossoma sp.), jaraqui (Semaprochilodus theraponura) e matrlncha (Brycon melanopterus). PORTUGUESE.**

Werder, U.; Saint-Paul, U.  
Acta Amazonica; v. 9, (3), p. 617-619. Sept 1979.  
(Manaus: Instituto Nacional de Pesquisas da Amazonia.)  
NAL Call No.: QH7.A2  
(7 ref.)

1591 1979

**THE USE OF AQUATIC PLANTS AS FEED FOR TILAPIA NILOTICA IN FLOATING CAGES.**

RIFAI, S.A.  
ASIAN AQUACULTURE 2 (6), 4-5.  
Aquaculture Data Base No.: 7030

1592 1979

**THE USE OF AQUATIC PLANTS AS FEED FOR TILAPIA NILOTICA IN FLOATING CAGES.**

RIFAI, S.A.  
INTERNATIONAL WORKSHOP ON CAGE AND PEN CULTURE OF FISH, SEAFDEC  
AQUACULTURE DEPT. AND IDRC, 61-64.  
Aquaculture Data Base No.: 9772

1593 1979

**Use of manure in fish farming--a review.**

Wohlfarth, G.W.; Schroeder, G.L.  
Agricultural wastes; v. 1, (4), p. 279-299. ill. Nov 1979.  
(London: Applied Science Publishers.)  
NAL Call No.: TD930.A32  
(Bibliography p. 296-299.)

1594 1979

**The use of potato protein in feed mixture for intensive rearing of carp stock. Vyuziti bramborove bilkoviny v krmne smesi pri intenzivnim odchovu kapri nasady. CZECH.**

Parova, J.; Par, O.  
Zivocisna vyroba. Ceskoslovenska akademie zemedelska.  
Ustav vedeckotechnickych informaci; v. 24, (3), p. 229-235. ill. Mar 1979. (Praha: Ustav.)  
NAL Call No.: 49.9 C33  
(12 ref.)

1595 1979

**Using granulated feeds in trout production. Ispol'zovanie granulirovannykh kormov v forelevodstve. RUSSIAN.**

Shabalina, A. A.  
Moskva (113035, Moskva, M-35, I-i Kadashevskii per., 12): Pishchevaia promyshlennost'; 1979. 40, (1) p.: ill.; 20 cm.  
NAL Call No.: SH167.T86I76  
(Obmen peredovym opytom)  
(Bibliography: p. 40-(41).)

1596 1979

**UTILIZATION OF WATER HYACINTHS FOR CONTROL OF NUTRIENTS IN DOMESTIC WASTEWATER -- LAKELAND, FLORIDA.**

STEWART, E.A., III

AQUACULTURE SYSTEMS FOR WASTEWATER TREATMENT, SEMINAR PROCEEDINGS AND ENGINEERING ASSESSMENT, EPA 430/9-80-006, 273-293.

Aquaculture Data Base No.: 9114

1978

1597 1978

**AGRICULTURAL FORAGES AND BY-PRODUCTS AS FEED FOR CRAWFISH, PROCAMBARUS CLARKII.**

RIVAS, R.; ROMAIRE, R.; AVAULT, J.W., JR.; GIAMALVA, M.  
PROCEEDINGS OF THE FOURTH INTERNATIONAL ASSOCIATION OF ASTACOLOGY SYMPOSIUM.  
THONON-LES-BAINS, FRANCE, AUGUST 28-31, 1978, 6P.

Aquaculture Data Base No.: 6152

1598 1978

**AGRICULTURAL WASTES IN FISH FARMING.**

SCHROEDER, G.L.  
THE COMMERCIAL FISH FARMER AND AQUACULTURE NEWS 4 (6), 33-34.

Aquaculture Data Base No.: 4914

1599 1978

**AN ANALYSIS OF FEEDING RELATIONSHIPS AMONG ESTUARINE FISHES RAISED IN POLY-CULTURE IN PONDS RECEIVING THERMAL EFFLUENTS.**

BRANCH, M.R.; STRAWN, K.  
WORKSHOP ON AQUACULTURE AND WASTE HEAT UTILIZATION. RUTGERS UNIVERSITY, MARCH 26-31, 1978. 20P.

Aquaculture Data Base No.: 4643

1600 1978

**CHIRONOMID LARVAE AS FOOD OF FARM-RAISED SHRIMP.**

TIENSONGRUSMEE, B.; MINTARDJO, K.; SUDJIHARNO, M.  
BULLETIN OF THE BRACKISHWATER AQUACULTURE DEVELOPMENT CENTRE, 4 (1-2), 278-287.

Aquaculture Data Base No.: 8041

1601 1978

**CULTURE OF ALGAE FOR FEEDING LARVAL AND JUVENILE MOLLUSCS IN CONTROLLED AQUACULTURE.**

UKELES, R.  
PROCEEDINGS OF THE 3RD MEETING OF THE I.C.E.S. WORKING GROUP ON MARICULTURE, BREST, FRANCE, MAY 10-13, 1977. ACTES DE COLLEQUES DU CNEXO, 4, 361-370. (REPRINT).

Aquaculture Data Base No.: 7324

1602 1978

**EFFECTIVENESS OF ZOOPLANKTON UTILIZATION IN CARP FORAGING PONDS.**

KAMLYUK, L.V.; LYAKHNOVICH, V.P.; KOPYLOVA, T.V.



JOURNAL OF ICHTHYOLOGY 18 (4), 665-669.  
 Aquaculture Data Base No.: 7169

1603 1978  
 EFFECTS OF FEEDING FREQUENCY ON THE  
 GROWTH OF YOUNG ESTUARY GROUPER,  
 EPINEPHELUS TAUVINA (FORSKAL), CULTURED  
 IN FLOATING NET-CAGES.  
 THIA-ENG, C.; SENG-KEH, T.  
 AQUACULTURE 14 (1), 31-47.  
 Aquaculture Data Base No.: 4631

1604 1978  
 EFFECTS OF FEEDING ON WATER QUALITY IN  
 CATFISH PONDS.  
 LOVELL, T.  
 THE COMMERCIAL FISH FARMER AND  
 AQUACULTURE NEWS 4 (4), 35-36, 38.  
 Aquaculture Data Base No.: 4838

1605 1978  
 Experience of using housefly (*Musca domestica*) larvae  
 for supplemental rearing of carp fry. RUSSIAN.  
 Servetnik, G.E.  
 Doklady TSKhA - Timiriachevskaia  
 sel'skokhoziaistvennaia akademiia. Timiriachevskaia  
 sel'skokhoziaistvennaia akademiia; (240), p. 74-76. ill.  
 1978. (Moskva: Akademiia.)  
 NAL Call No.: 20 M857

1606 1978  
 EXPERIMENTAL FEEDING OF SYDNEY ROCK  
 OYSTERS (*CRASSOSTREA COMMERCIALIS* =  
*SACCOSTREA CUCULLATA*) 1. OPTIMUM  
 PARTICLE SIZES AND CONCENTRATIONS.  
 WISELY, B.; REID, B.L.  
 AQUACULTURE 15 (4), 319-331.  
 Aquaculture Data Base No.: 6321

1607 1978  
 EXPERIMENTS IN NUTRITION OF CARP IN  
 CAGES AND PONDS. III. INCREASING ENERGY  
 DENSITY OF PELLETS BY OILS.  
 VIOLA, S.; RAPPAPORT, U.  
 BAMIDGEH 30 (3), 67-79.  
 Aquaculture Data Base No.: 7309

1608 1978  
 FEEDING BASE OF GOLDEN SHIVER FRY IN  
 WATER BASINS OF FISH HATCHERIES ON THE  
 LOWER DON.  
 VDOVENKO, N.E.  
 HYDROBIOLOGICAL JOURNAL 14 (3), 104.  
 Aquaculture Data Base No.: 7287

1609 1978  
 FEEDING FISH.  
 ANDREWS, C.  
 THE AQUARIST AND PONDKEEPER 43 (8),  
 328-330.  
 Aquaculture Data Base No.: 6181

1610 1978  
 FERTILIZING FISH PONDS II - GROWTH OF  
 MUGIL CEPHALUS IN EGYPT BY POND  
 FERTILIZATION AND FEEDING.  
 BISHARA, N.F.

AQUACULTURE 13 (4), 361-367.  
 Aquaculture Data Base No.: 4627

1611 1978  
 FORMULATION AND TECHNOLOGY OF MOIST  
 FEED.  
 GHITTINO, P.  
 RIVISTA ITALIANA DI PISCICOLTURA E  
 ITTIOPATOLOGIA 13 (4), 107-112. (REPRINT) (IN  
 ENGLISH AND IN ITALIAN).  
 Aquaculture Data Base No.: 7423

1612 1978  
 GROWTH AND SURVIVAL OF *PENAEUS*  
*MONODON* POSTLARVAE FED SHRIMP HEAD  
 MEAL AND FISH MEAL AS PRIMARY ANIMAL  
 SOURCE OF PROTEIN.  
 PIEDAD-PASCUAL, F.; DESTAJO, W.H.  
 SEAFDEC AQUACULTURE DEPARTMENT.  
 QUARTERLY RESEARCH REPORT 2 (1), 26-30.  
 Aquaculture Data Base No.: 6681

1613 1978  
 GROWTH AND SURVIVAL OF STUNTED RED  
 SWAMP CRAWFISH (*PROCAMBARUS CLARKII*)  
 IN A FEEDING-STOCKING DENSITY  
 EXPERIMENT IN POOLS.  
 ROMAIRE, R.P.; FORESTER, J.S.; AVAULT, J.W.,  
 JR.  
 PROCEEDINGS OF THE FOURTH  
 INTERNATIONAL ASSOCIATION OF  
 ASTACOLOGY SYMPOSIUM.  
 THONON-LES-BAINS, FRANCE, AUGUST 28-31,  
 1978. 6P.  
 Aquaculture Data Base No.: 4977

1614 1978  
 GROWTH OF GRASS CARP FED NATURAL AND  
 PREPARED DIETS UNDER INTENSIVE CULTURE.  
 SHIREMAN, J.V.; COLLE, D.E.; ROTTMANN, R.W.  
 JOURNAL OF FISH BIOLOGY 12 (5), 457-463.  
 Aquaculture Data Base No.: 4516

1615 1978  
 NITRATE UPTAKE BY *ENTEROMORPHA* 5PP.  
 (CHLOROPHYCEAE): APPLICATIONS TO  
 AQUACULTURE SYSTEMS.  
 HARLIN, M.M.  
 AQUACULTURE 15 (4), 375-376.  
 Aquaculture Data Base No.: 6325

1616 1978  
 Nitrogen fertilization of ponds [to increase production of  
 fish].  
 Boyd, C E; Sowles, J W.  
 Trans Am Fish Soc. 107 (5): 737-741. Ref. Sept 1978. )  
 NAL Call No.: 414.9 AM3

1617 1978  
 NUTRITIONAL VALUE OF HIGH MARSH GRASS  
 AND SHRIMP SHELL WASTE FOR  
 COMMERCIAL BROWN SHRIMP (*PENAEUS*  
*AZTECUS* IVES).  
 VENKATARAMIAH, A.; COOK, D.W.; BIESIOT, P.;  
 LAKSHMI, G.J.

PROCEEDINGS OF THE NINTH ANNUAL  
WORKSHOP WORLD MARICULTURE SOCIETY.  
ATLANTA, GEORGIA. 217-224.  
Aquaculture Data Base No.: 6530

1618 1978  
OPTIMUM TEMPERATURE FOR FEEDING AND  
GROWTH OF TILAPIA ZILLII.  
PLATT, S.; HAUSER, J.  
THE PROGRESSIVE FISH-CULTURIST 40 (3),  
105-107.  
Aquaculture Data Base No.: 4962

1619 1978  
POLYCULTURE OF CHINESE CARPS IN PONDS  
WITH SWINE WASTES.  
BUCK, H.; BAUR, R.J.; ROSE, C.R.  
SYMPOSIUM ON CULTURE OF EXOTIC FISHES.  
FISH CULTURE SECTION, AMERICAN FISHERIES  
SOCIETY. AUBURN, ALABAMA. 144-155.  
Aquaculture Data Base No.: 4674

1620 1978  
REMOVAL AND UTILIZATION OF NUTRIENTS  
BY CHINESE WATERCHESTNUT IN CATFISH  
PONDS.  
MCCORD, C. L., JR.; LOYACANO, H. A., JR.  
AQUACULTURE 13 (2), 143-155.  
Aquaculture Data Base No.: 4407

1621 1978  
THE RESULTS OF MANURING ON INTENSIVE  
GROWTH FISH FARMING AT THE GINOSAR  
STATION PONDS IN 1977.  
RAPPAPORT, U.; SARIG, S.  
BAMIDGEH 30 (2), 27-36.  
Aquaculture Data Base No.: 7315

1622 1978  
A REVIEW ON THE KNOWLEDGE OF  
SUSPENSION-FEEDING IN  
LAMELLIBRANCHIATE BIVALVES, WITH  
SPECIAL REFERENCE TO ARTIFICIAL  
AQUACULTURE SYSTEMS.  
WINTER, J.E.  
AQUACULTURE 13 (1), 1-33.  
Aquaculture Data Base No.: 4689

1623 1978  
SECONDARY NURSING OF THE RED SEA  
BREAM, CHRYSOPHRYS MAJOR (TEMMINCK &  
SCHLEGEL), IN AN EARTH POND.  
ROTHBARD, S.  
AQUACULTURE 15 (1), 53-62.  
Aquaculture Data Base No.: 6086

1624 1978  
STUDIES ON THE GROWTH RATE OF THE  
GRASS CARP CTENOPHARYNGODON IDELLA  
(VALENCIENNES) FED ON TWO AQUATIC  
WEEDS AND A TERRESTRIAL GRASS.  
VENKATESH, B.; SHETTY, H.P.C  
AQUACULTURE 13 (1), 45-53.  
Aquaculture Data Base No.: 4660

1625 1978  
TILAPIA PRODUCTION IN PONDS RECEIVING  
SWINE WASTES.  
STICKNEY, R.R.

SYMPOSIUM ON CULTURE OF EXOTIC FISHES.  
FISH CULTURE SECTION, AMERICAN FISHERIES  
SOCIETY. AUBURN, ALABAMA. 90-101.  
Aquaculture Data Base No.: 4675

1977

1626 1977  
Agricultural [organic] wastes [as fertilizers] in fish farming.  
A commercial application of the culture of single-celled  
organisms for protein production.  
Schroeder, G L.  
*Water Res.* 11 (4): 419-420. 1977. )  
NAL Call No.: TD420.W3

1627 1977  
AGRICULTURAL BY-PRODUCTS AS  
SUPPLEMENTAL FEED FOR CRAYFISH,  
PROCAMBARUS CLARKII.  
GOVERT, J.C.; AVAULT, J.W., JR.  
TRANSACTIONS OF THE AMERICAN FISHERIES  
SOCIETY 106 (6), 629-633.  
Aquaculture Data Base No.: 4959

1628 1977  
The application of natural zeolites in animal science and  
aquaculture [Dietary supplements].  
Mumpton, F A; Fishman, P H.  
*J Anim Sci.* 45 (5): 1188-1203. Map. Ref. Nov 1977. )  
NAL Call No.: 49 J82

1629 1977  
ATTRACTING INSECTS AS SUPPLEMENTAL  
FOOD FOR CHANNEL CATFISH: A TWO-SEASON  
EVALUATION.  
NEWTON, S.H.; MERKOWSKY, A.J.  
ARKANSAS FARM RESEARCH JOURNAL 26 (3),  
9.  
Aquaculture Data Base No.: 6433

1630 1977  
ATTRACTION OF AERIAL INSECTS AS A FISH  
FOOD SUPPLEMENT.  
MERKOWSKY, A.J.; HANDCOCK, A.J.; NEWTON,  
S.H.  
PROCEEDINGS, ARKANSAS ACADEMY OF  
SCIENCE 31, 75-76.  
Aquaculture Data Base No.: 6383

1631 1977  
COMPARATIVE STUDIES ON CARBOHYDRATE  
METABOLISM OF YELLOWTAIL AND CARP.  
SHIMENO, S.; HOSOKAWA, H.; HIRATA, H.;  
TAKEDA, M.  
BULLETIN OF THE JAPANESE SOCIETY OF  
SCIENTIFIC FISHERIES 43 (2), 213-217.  
(JAPANESE, ENGLISH ABSTRACT).  
Aquaculture Data Base No.: 3846

1632 1977  
DECAPSULATION OF ARTEMIA CYSTS: A  
SIMPLE TECHNIQUE FOR THE IMPROVEMENT  
OF THE USE OF BRINE SHRIMP IN  
AQUACULTURE.  
SORGELOOS, P.; BOSSUYT, E.; LAVINA, E.;  
BAEZA-MESA, M.; PERSOONE, G.



AQUACULTURE 12 (4), 311-315.  
 Aquaculture Data Base No.: 4153

1633 1977  
 DO POND-RAISED CATFISH NEED VITAMIN C.  
 LONELL, T.  
 THE COMMERCIAL FISH FARMER AND  
 AQUACULTURE NEWS 3 (3), 22.  
 Aquaculture Data Base No.: 3856

1634 1977  
 EFFECTS OF SUPPLEMENTARY FEEDS ON  
 SURVIVAL AND GROWTH RATES OF TIGER  
 PRAWN, PENAEUS MONODON FABRICIUS IN  
 REARING PONDS.  
 CHAIYAKAM, K.  
 SEAFDEC, UNPUBLISHED PAPER, 1-14.  
 Aquaculture Data Base No.: 8146

1635 1977  
 Fish food habits studies : 1st Pacific Northwest Technical  
 Workshop, workshop proceedings, Astoria, Oregon,  
 October 13-15, 1976.  
 Simenstad, Charles A.; Lipovsky, Sandy J.  
 Seattle: Washington Sea Grant, Division of Marine  
 Resources, University of Washington; 1977. xvi, 193 p.:  
 ill.  
 NAL Call No.: SH156.P3 1976  
 Grant 04-5-158-48 and 04-7-158-44021.  
 (Includes bibliographical references.)

1636 1977  
 FOOD SELECTION BY YOUNG CATLA CATLA  
 (HAMILTON-BUCHANAN) IN A TROPICAL FISH  
 POND.  
 JAFRI, A.K.; MUSTAFA, S.  
 JOURNAL OF FISH BIOLOGY 10 (5), 437-440.  
 Aquaculture Data Base No.: 3919

1637 1977  
 Intensive polyculture of fish in freshwater ponds. I.  
 Substitution of expensive feeds by liquid cow manure.  
 Moav, R; Wohlfarth, G; Schroeder, G L; Hulata, G;  
 Barash, H.  
 Aquaculture. 10 (1): 25-43. Ref. Jan 1977. .)  
 NAL Call No.: SH1.A6

1638 1977  
 Nostoc commune Vauch. [nitrogen-fixing blue-green Algae]  
 as a potential fertilizer in rice-fish culture: A  
 preliminary study.  
 Martinez, M R; Evangelista, C L; Pantastico, J B.  
 Philipp J Crop Sci. 2 (4): 252-255. Dec 15, 1977. .)  
 NAL Call No.: SB13.P48

1639 1977  
 NUTRITION AND FEEDING OF CHANNEL  
 CATFISH. 11. FEEDING PRACTICES.  
 LOVELL, R.T.  
 SOUTHERN COOPERATIVE SERIES, BULLETIN  
 218, 50-55.  
 Aquaculture Data Base No.: 4829

1640 1977  
 NUTRITIONISTS COMPARE NOTES ON DIETS  
 FOR CHANNEL CATFISH.  
 LOVELL, T.

THE COMMERCIAL FISH FARMER AND  
 AQUACULTURE NEWS 3 (4), 23-24.  
 Aquaculture Data Base No.: 3969

1641 1977  
 OBSERVATIONS ON THE USE OF ORGANIC  
 FERTILIZERS IN INTENSIVE FISH FARMING AT  
 THE GINOSAR STATION IN 1976.  
 RAPPAPORT, U.; SARIG, S.; BEJERANO, Y.  
 BAMIDGEH 29 (2), 57-70.  
 Aquaculture Data Base No.: 7456

1642 1977  
 PHYSICAL ASPECTS OF FOOD IMPORTANT IN  
 FEEDING FISH.  
 LOVELL, T.  
 THE COMMERCIAL FISH FARMER AND  
 AQUACULTURE NEWS 3 (6), P32.  
 Aquaculture Data Base No.: 3891

1643 1977  
 POST-STOCKING SURVIVAL OF LARGEMOUTH  
 BASS REARED IN RACEWAYS ON AN  
 ARTIFICIAL DIET.  
 HEARN, M. C.  
 THE PROGRESSIVE FISH-CULTURIST 39 (3),  
 126-127.  
 Aquaculture Data Base No.: 4313

1644 1977  
 POULTRY WASTES IN THE DIET OF ISRAELI  
 CARP.  
 KERNS, C.L.; ROELOFS, E.W.  
 BAMIDGEH 29 (4), 125-135.  
 Aquaculture Data Base No.: 7455

1645 1977  
 QUANTIFICATION OF CARBON, NITROGEN AND  
 BACTERIAL BIOMASS IN THE FOOD OF SOME  
 PENAEID PRAWNS.  
 MORIARTY, D.J.W.  
 AUSTRALIAN JOURNAL OF MARINE AND  
 FRESHWATER RESEARCH 28 (2), 113-118.  
 Aquaculture Data Base No.: 3851

1646 1977  
 STUDIES ON THE UTILIZATION OF DIETARY  
 ENERGY AND PROTEIN BY RAINBOW TROUT  
 (SALMO GAIRDNERI) FED EITHER BY HAND OR  
 BY AN AUTOMATIC SELF-FEEDER.  
 PFEFFER, E.  
 AQUACULTURE 10 (2), 97-107.  
 Aquaculture Data Base No.: 3218

1647 1977  
 THE USE OF CHICKEN VISCERA AS A SOURCE  
 OF PROTEIN IN FISH FOOD.  
 MARKERT, J.R.  
 THE PROCEEDINGS OF THE BRAS D'OR LAKES  
 AQUACULTURE CONFERENCE, 305-306.  
 Aquaculture Data Base No.: 4495

1648 1977  
 UTILIZATION OF INSECTS AS  
 COMPLIMENTARY DIET IN CHANNEL CATFISH  
 FEEDING.  
 GARZA, C.R.

TEXAS A AND M UNIVERSITY. SEA GRANT COLLEGE. TAMU-SG-77-105. FIRST ANNUAL TROPICAL AND SUBTROPICAL FISHERIES TECHNOLOGICAL CONFERENCE. PROC. VOL. II. 496-512.

Aquaculture Data Base No.: 3220

1976

1649 1976  
THE ACTIVITY OF PROTEASE AND THE RESORPTION INTENSITY OF PROTEIN WITH THE INTRODUCTION OF DIFFERENT QUANTITIES OF FAT INTO THE FOOD OF CARP *CYPRINUS CARPIO*.

SHCHERBINA, M.A.; TROFIMOVA, L.N.; KAZLAUSKENE, O.P.

JOURNAL OF ICHTHYOLOGY 16 (4), 632-636.

Aquaculture Data Base No.: 3947

1650 1976  
COMPARATIVE GRAZING EFFICIENCY OF FIVE SPECIES OF FAIRY SHRIMPS (CRUSTACEA, ANOSTRACA) FROM ISRAEL, ON SEWAGE GROWN *SCENEDESMUS OBLIQUUS*.

DIMENTMAN, C.; DOR, I.; POR, F.D.

PROCEEDINGS OF THE TENTH EUROPEAN SYMPOSIUM ON MARINE BIOLOGY. OSTEND, BELGIUM, SEPT. 17-23, 1975. 1, 49-59.

Aquaculture Data Base No.: 3768

1651 1976  
EFFECTS OF THREE DIETS ON GROWTH AND MINERAL RETENTION OF CHANNEL CATFISH FINGERLINGS.

DOVE, G.R.; TIEMER, O.W.; DEYOE, C.W.

TRANSACTIONS OF THE AMERICAN FISHERIES SOCIETY 105 (3), 481-485.

Aquaculture Data Base No.: 2898

1652 1976  
EGG PROCESSING WASTES AS A REPLACEMENT PROTEIN SOURCE IN SALMONID DIETS.

DAVIS, E.M.; RUMSEY, G.L.; NICKUM, J.G.

THE PROGRESSIVE FISH CULTURIST 38 (1), 20-22.

Aquaculture Data Base No.: 3277

1653 1976  
EXPERIMENTS IN RECYCLING SWINE MANURE IN FISHPONDS.

BUCK, D.H.; BAUR, R.J.; ROSE, C.R.

FAO TECHNICAL CONFERENCE ON AQUACULTURE. FIR/AQ/CONF/76/E.29. 5P.

Aquaculture Data Base No.: 2812

1654 1976  
Fat and protein in diets for Salmonoid fishes. III. Different types of fat in dry diets for rainbow trout (*Salmo gairdneri*, Richardson) [Feed conversion]. Fett og protein i for til laksefisk. III. Ulike fettyper i torrfor til regnbueaure (*Salmo gairdneri*, Richardson). NOR.

Austreng, E.  
Meld Nor Landbrukshogsk. 55 (7): 18 p. Ref. Eng. sum. 1976. )

NAL Call No.: 104 N762M

1655 1976  
FEEDING ALGAE TO FISH.  
STANLEY, J.G.; JONES, J.B.

AQUACULTURE 7 (3), 219-223.

Aquaculture Data Base No.: 2834

1656 1976

FEEDING EXPERIMENTS WITH *MYTILUS EDULIS* L. AT SMALL LABORATORY SCALE, III. FEEDING OF WASTE ORGANIC PRODUCTS FROM THE FISH INDUSTRY OF BREMERHAVEN AS A MEANS OF RECYCLING BIODEGRADABLE WASTES.

MURKEN

PROCEEDINGS OF THE TENTH EUROPEAN SYMPOSIUM ON MARINE BIOLOGY. OSTEND, BELGIUM, SEPT. 17-23, 1975. 1, 273-284.

Aquaculture Data Base No.: 3759

1657 1976

Fertilizing farm fish ponds.

Boyd, C E.

Highlights Agric Res. 23 (2): 8. Summer 1976. )

NAL Call No.: 100 AL1H

1658 1976

GROWTH OF CLAM AND OYSTER LARVAE ON DIFFERENT ALGAL DIETS IN A TROPICAL ARTIFICIAL UPWELLING MARICULTURE SYSTEM.

SUNDERLIN, J.B.; BAAB, P.T.; PATRY, E.M.

PROCEEDINGS OF THE SEVENTH ANNUAL WORKSHOP WORLD MARICULTURE SOCIETY, SAN DIEGO, CALIFORNIA. 22P.

Aquaculture Data Base No.: 2871

1659 1976

IDENTIFICATION OF NITROGEN AS A GROWTH-LIMITING NUTRIENT IN WASTE WATERS AND COASTAL MARINE WATERS THROUGH CONTINUOUS CULTURE ALGAL ASSAYS.

GOLDMAN, J.C.

WATER RESEARCH 10 (2), 97-104.

Aquaculture Data Base No.: 6098

1660 1976

INTENSIVE CULTURE OF FINGERLING WALLEYES ON FORMULATED FEEDS.

NAGEL, T.

THE PROGRESSIVE FISH CULTURIST 38 (2), 90-91.

Aquaculture Data Base No.: 3204

1661 1976

NATURAL FEED OF *TILAPIA AUREA* STEINDACHNER IN POLYCULTURE, WITH SUPPLEMENTARY FEED AND INTENSIVE MANURING.

SPATARU, P.

BAMIDGEH 28 (3), 57-63.

Aquaculture Data Base No.: 3269

1662 1976

Nitrogen fertilizer effects on production of Tilapia in [fish] ponds fertilized with phosphorus and potassium.

Boyd, C E.

Aquaculture. 7 (4): 385-390. Ref. Apr 1976. )

NAL Call No.: SH1.A6

1663 1976

NUTRITIONAL ASPECTS OF CRUSTACEAN AQUACULTURE.

PROVASOLI, L.



AQUACULTURE NUTRITION. PROCEEDINGS OF THE FIRST INTERNATIONAL CONFERENCE. 13-21.

Aquaculture Data Base No.: 3035

1664 1976  
On the food of channel catfish stocked in farm ponds.  
Devaraj, K V.  
*Aquaculture*. 7 (1): 27-32. Jan 1976. .)  
NAL Call No.: SH1.A6

1665 1976  
Proceedings of the first International Conference on Aquaculture Nutrition, Oct. 14-15, 1975, Lewes.  
Price, Kent S.  
Newark, Del. : College of Marine Studies, University of Delaware,. 1976. viii, 323 p. : ill. ; 23 cm. -.  
NAL Call No.: 157.8 R29 No.260562  
(Sponsored by the Sea Grant College Program. University of Delaware in cooperation with the U.S./Japan Aquaculture Panel. Includes bibliographies and indexes.)

1666 1976  
Production of mixed feeds for pond fish. Proizvodstvo kombikormov dlia prudovykh ryb. RUS.  
Maznik, Anatolii Profir'evich.  
Moskva : Kolos,. 1976. 95 p. : ill.  
NAL Call No.: SH156.P7

1667 1976  
REARING LARGEMOUTH BASS YEARLINGS ON ARTIFICIAL DIETS.  
NAGEL, T.  
OHIO DEPARTMENT OF NATURAL RESOURCES. WILDLIFE IN-SERVICE NOTE 335, 1-6.  
Aquaculture Data Base No.: 4444

1668 1976  
The role of the feed industry in developing formulated feeds for aquaculture.  
MacGrath, W S Jr.  
*PB U S Natl Tech Inf Serv*. 260452: 119-123. 1976. .)  
NAL Call No.: 157.8 R29

1669 1976  
SOME ASPECTS OF THE NUTRIENT UPTAKE KINETICS OF THE MACROSCOPIC RED ALGA, NEOAGARDHIELLA BAILEYI.  
D'ELIA, C.F.; DEBOER, J.A.; RYTHER, J.H.  
WOODS HOLE OCEANOGRAPHIC INSTITUTION. CONTRIBUTION, 230-246. SEA GRANT NO. 04-6-158-44016. NTIS PB-261 939.  
Aquaculture Data Base No.: 4861

1670 1976  
SOME FACTORS INFLUENCING THE FEEDING BEHAVIOR OF CHANNEL CATFISH IN CULTURE PONDS.  
RANDOLPH, K.N.; CLEMENS, H.P.  
TRANSACTIONS OF THE AMERICAN FISHERIES SOCIETY 105 (6), 718-724.  
Aquaculture Data Base No.: 4276

1671 1976  
SUPPLEMENTAL FEEDS CONTAINING COFFEE PULP FOR REARING TILAPIA IN CENTRAL AMERICA.  
BAYNE, D.R.; DUNSETH, D.; RAMIRIOS, C.G.

AQUACULTURE 7 (2), 133-146.  
Aquaculture Data Base No.: 2574

1672 1976  
Use of activated sludge from domestic sewage in trout diets [Production of animal proteins, carcass composition of the fish].  
Tacon, A G J; Ferns, P N.  
*Nutr Rep Int*. 13 (6): 549-562. Ref. June 1976. .)  
NAL Call No.: RC620.A1N8

1673 1976  
USE OF AERIAL INSECTS TO SUPPLEMENT THE ARTIFICIAL FEEDING OF CHANNEL CATFISH IN PONDS AND CAGES.  
NEWTON, S.H.; MERKOWSKY, A.J.  
BICENTENNIAL RESEARCH SYMPOSIUM FOR BLACK LAND-GRANT UNIVERSITIES AND TUSKEGEE INSTITUTE (ABSTRACT), 6P.  
Aquaculture Data Base No.: 6440

1674 1976  
USE OF AGRICULTURAL AND URBAN WASTES IN FISH CULTURE.  
SCHROEDER, G.; HEPHER, B.  
FAO TECHNICAL CONFERENCE ON AQUACULTURE. FIR/AQ/CONF/76/E.9. 3P.  
Aquaculture Data Base No.: 2691

1675 1976  
Use of swine feces for feeding carp (*Cyprinus carpio* Linnaeus) [in fish culture]. Emprego de fezes de suinos na alimentacao de carpas (*Cyprinus carpio* Linnaeus). POR.  
Albuquerque, C G Filho; Campos, E J; Sampaio, I B M; Cavalcanti, S S.  
*Arq Esc Vet Univ Fed Minas Gerais*. 28 (2): 147-152.  
Ref. Eng. sum. 1976. .)  
NAL Call No.: 41.9 M662

1975

1676 1975  
AQUARIUM STUDIES ON THE SELECTIVITY OF 16 AQUATIC PLANTS AS FOOD BY FINGERLING HYBRIDS OF THE CROSS BETWEEN CTENOPHARYNGODON IDELLA AND CYPRINUS CARPIO.  
DUTHU, G.S.; KILGEN, R.H.  
JOURNAL OF FISH BIOLOGY 7 (2), 203-208.  
Aquaculture Data Base No.: 2173

1677 1975  
AN AUTOMATIC BRINE SHRIMP FEEDER FOR AQUATIC BIOASSAYS.  
SCHIMMEL, S.C.; HANSEN, D.J.  
JOURNAL OF THE FISHERIES RESEARCH BOARD OF CANADA 32 (2), 314-316.  
Aquaculture Data Base No.: 1979

1678 1975  
Experience in using meal from larvae of house flies [*Musca domestica*] for feeding carp fry [Fish]. RUS.  
Koltypin, IU A; Ivanova, E F; Privezentsev, IU A; Simonov, V V.

*Biull Nauchn Rabot Vses Nauchno-Issled Inst  
Zhivotnovod.* 44: 60-63. 1975. )  
NAL Call No.: SF1.V73

1679 1975  
Experience of using a complex of fertilizers in a rearing pond of the "Voskhod" State Farm (Stavropol Territory).  
RUSSIAN.  
Astanin, L.P.; Suvorov, V.K.; Pavlivskii, V.P.; Nasonov, A.I.  
Nauchnye trudy - Stavropol'skii sel'skokhoziaistvennyi institut; v. 6, (38), p. 12-21. 1975. (Stavropol': Institut.)  
NAL Call No.: 106 ST27  
(15 ref.)

1680 1975  
INFLUENCE OF NUTRIENT ADDITIONS AND INITIAL DENSITY OF PLANTS ON PRODUCTION OF WATERHYACINTH EICHHORNIA CRASSIPES.  
BOYD, C.E.; SCARSBROOK, E.  
AQUATIC BOTANY 1, 253-261.  
Aquaculture Data Base No.: 4076

1681 1975  
MAINTENANCE OF SOME MARINE FILTER FEEDERS ON BEEF HEART EXTRACT.  
MCCAMMON, H.  
CULTURE OF MARINE INVERTEBRATE ANIMALS. P. 15-27. PLENUM PRESS, NEW YORK.  
Aquaculture Data Base No.: 1549

1682 1975  
MICROBES AS FOOD IN MARICULTURE.  
RYTHER, J.H.; GOLDMAN, J.C.  
ANNUAL REVIEW OF MICROBIOLOGY 29, 429-443.  
Aquaculture Data Base No.: 6100

1683 1975  
Mississippi farmers build mill to make fish food.  
*Feed Manage, East Ed.* 26 (11): 12-13. Nov 1975. )  
NAL Call No.: 389.78 EA7

1684 1975  
NUTRIENT TRANSFORMATIONS IN MASS CULTURES OF MARINE ALGAE.  
GOLDMAN, J.C.; RYTHER, J.H.  
JOURNAL OF THE ENVIRONMENTAL ENGINEERING DIVISION, PROC. ASCE 101 (EE3), 351-354.  
Aquaculture Data Base No.: 2160

1685 1975  
NUTRITION AND PRODUCTION OF FISH.  
HALVER, J.E.; HASHIMOTO, Y.; BURROWS, R.E.; HEPHER, B.; POST, G.; HASTINGS, W.H.  
INTERNATIONAL CONGRESS ON NUTRITION, PROC. 9 (3), 142-157.  
Aquaculture Data Base No.: 1795

1686 1975  
NUTRITIONAL DEFICIENCIES IN INTENSIVELY CULTURED CATFISH.  
LOVELL, R.T.

THE PATHOLOGY OF FISHES. THE UNIVERSITY OF WISCONSIN PRESS, MADISON. 721-731.  
Aquaculture Data Base No.: 4098

1687 1975  
Preliminary note on utilization of raw material for feeds intended for fish culture in northeastern Brazil. Nota previa sobre utilizacao de materia-prima para alimentos destinados a criacao de peixes do nordeste brasileiro.  
POR.  
Paiva, C M.  
*Bol Tec Braz Dep Nac Obras Contra Secas.* 33 (2): 147-152. Eng. sm. July/Dec 1975. )  
NAL Call No.: TC801.B7

1688 1975  
REVISION OF SUPPLEMENTARY FEEDING TABLES FOR POND FISH.  
MAREK, M.  
BAMIDGEH 27 (3), 57-64.  
Aquaculture Data Base No.: 7451

1689 1975  
Suisanjiryo seibutsugaku = Fresh-marine organism as living feed for fisheries.  
Shirota, Akihiko  
Tokyo: Koseisha Koseikaku; 1975. 14, 514 p.: ill.  
NAL Call No.: SH156.S5  
(Includes bibliographies and indexes.)

1690 1975  
VALUE OF FIBER IN PRODUCTION-TYPE DIETS FOR CHANNEL CATFISH.  
LEARY, D.F.; LOVELL, R.T.  
TRANSACTIONS OF THE AMERICAN FISHERIES SOCIETY 104 (2), 328-332.  
Aquaculture Data Base No.: 4097

1974

1691 1974  
COMPOSITION, PROCESSING, AND UTILIZATION OF RED CRAB (PLEURONCODES PLANIPES) AS AN AQUACULTURAL FEED INGREDIENT.  
SPINELLI, J.; LEHMAN, L.; WIEG, D.  
JOURNAL OF THE FISHERIES RESEARCH BOARD OF CANADA 31 (6), 1025-1029.  
Aquaculture Data Base No.: 1229

1692 1974  
THE CULTURE OF CONOPEUM TENUISSIMUM IN RELATION TO FEEDING, GROWTH AND DISTRIBUTION OF ESTUARINE ECTOPROCTS.  
DUDLEY, J.E.  
UNIVERSITY OF CHICAGO. DEPARTMENT OF GEOPHYSICAL SCIENCES DISSERTATION. 312P.  
Aquaculture Data Base No.: 1579

1693 1974  
EFFECTS OF ADDITION OF FISH MEAL TO ALL-PLANT FEEDS ON THE DIETARY PROTEIN NEEDS OF CHANNEL CATFISH IN PONDS.  
LOVELL, R.T.; PRATHER, E.E.; TRES-DICK, J.; CHHORN, L.



PROCEEDINGS OF THE TWENTY-EIGHTH ANNUAL CONFERENCE OF THE SOUTHEASTERN ASSOCIATION OF GAME AND FISH COMMISSIONERS, 1974. 222-228.  
Aquaculture Data Base No.: 4041

1694 1974  
EFFECTS OF FEEDING REGIMES AND SOURCES OF FISH ON PRODUCTION OF ADVANCE FINGERLING STRIPED BASS.  
REEVES, W.C.  
PROCEEDINGS SOUTHEASTERN ASSOCIATION OF GAME AND FISH COMMISSIONERS 27, 540-548.  
Aquaculture Data Base No.: 1437

1695 1974  
EFFECTS OF FEEDING, FERTILIZATION, AND VEGETATION ON PRODUCTION OF RED SWAMP CRAYFISH, PROCAMBARUS CLARKII. CLARK, D.F.; AVAULT, J.W., JR.; MEYERS, S.P.  
PROCEEDINGS OF THE SECOND INTERNATIONAL CRAYFISH SYMPOSIUM. BATON ROUGE, LOUISIANA, 1974. 125-138.  
Aquaculture Data Base No.: 4051

1696 1974  
Essay on breeding and feeding carps on copra cakes. Essai de nourrissage de carpes au tourteau de coprah : rapport d'installation et protocole. FRENCH.  
Morissens, P.  
Madagascar: Centre national de recherches forestieres et piscicoles, Programme de recherches piscicoles; 1974. 9 leaves; 28 cm.  
NAL Call No.: SH167.C3M6

1697 1974  
Essay on interaction between feeding and fertilization in the frame-work of small carp breeding. Essai interaction entre le nourrissage et la fertilisation dans le cadre d'un élevage de carpillons : compte rendu d'installation et protocole. FRENCH.  
Morissens, P.  
Madagascar: Centre national de recherches forestieres et piscicoles, Programme pisciculture, Station d'Ampamaherana; 1974. 11 leaves; 28 cm.  
NAL Call No.: SH155.5.M63

1698 1974  
FOOD HABITS OF WHITE AMUR, LARGEMOUTH BASS, BLUEGILL, AND REDEAR SUNFISH RECEIVING SUPPLEMENTAL FEED. KILGEN, R.H.  
PROCEEDINGS SOUTHEASTERN ASSOCIATION OF GAME AND FISH COMMISSIONERS 27, 620-624.  
Aquaculture Data Base No.: 1436

1699 1974  
FOOD OF WHITE CATFISH, ICTALURUS CATUS (LINN.) (ICTALURIDAE) STOCKED IN FARM PONDS.  
DEVARAJ, K.V.  
INTERNATIONALE REVUE DER GESAMTEN HYDRDBIOLOGIE 59 (1), 147-151.  
Aquaculture Data Base No.: 2304

1700 1974  
GROWTH AND YIELD OF PINK SHRIMP (PENAEUS DUORARUM BURKENROAD) IN A FEEDING EXPERIMENT IN PONDS.

CAILLOUET, C.W.; NORRIS, J.P.; HERALD, E.J.; TABB, D.C.  
PROCEEDINGS OF THE FIFTH ANNUAL WORKSHOP WORLD MARICULTURE SOCIETY. CHARLESTON, SOUTH CAROLINA. 125-135.  
Aquaculture Data Base No.: 2550

1701 1974  
IMPROVED FEEDS FOR AQUACULTURE. TAUB, F.B.; PALMER, F.E.  
RESEARCH IN FISHERIES. ANNUAL REPORT OF THE COLLEGE OF FISHERIES, UNIVERSITY OF WASHINGTON.  
Aquaculture Data Base No.: 2015

1702 1974  
INFLUENCE OF FLOATING AND SINKING FEEDS AND FINGERLING SIZE ON CHANNEL CATFISH PRODUCTIONS.  
PERRY, W.G., JR.; AVAULT, J.W., JR.  
PROCEEDINGS SOUTHEASTERN ASSOCIATION OF GAME AND FISH COMMISSIONERS 27, 500-511.  
Aquaculture Data Base No.: 1439

1703 1974  
MICROCAPSULES AS ARTIFICIAL FOOD PARTICLES FOR AQUATIC FILTER FEEDERS. JONES, D.A.  
NATURE 247 (5438), 233-235.  
Aquaculture Data Base No.: 7810

1704 1974  
MIDGE CULTURE AT ALCHEMY EAST. MCLARNEY, W.; SHERMAN, M.  
AQUACULTURE AND THE FISH FARMER 1 (4), 10-13.  
Aquaculture Data Base No.: 913

1705 1974  
MINERAL FERTILIZATION OF CARP PONDS IN POLYCULTURAL REARING. DIMITROV, M.  
AQUACULTURE 3 (3), 273-285.  
Aquaculture Data Base No.: 3550

1706 1974  
OXIDATION POND ALGAE AS A SUPPLEMENT FOR COMMERCIAL CATFISH FEED. REED, J.R.; SAMSEL, G.L.; DAUB, R.R.; LLEWELLYN, G.G.  
PROCEEDINGS SOUTHEASTERN ASSOCIATION OF GAME AND FISH COMMISSIONERS 27, 465-470.  
Aquaculture Data Base No.: 1443

1707 1974  
PAUNCH MANURE AS A FEED SUPPLEMENT IN CHANNEL CATFISH FARMING. SUMMERFELT, R.C.; YIN, S.C.  
OKLAHOMA STATE UNIVERSITY. COOPERATIVE FISHERY UNIT, STILLWATER. NTIS PB 235 575. EPA-600/2-74-046. 129P.  
Aquaculture Data Base No.: 1631

1708 1974  
PREPARATION AND USE OF A MODIFIED PROTEIN BINDER IN THE FABRICATION OF FEED FOR POST-LARVAL AQUACULTURAL ANIMALS.

GRONINGER, H.S. JR.; MILLER, R.  
 JOURNAL OF THE FISHERIES RESEARCH  
 BOARD OF CANADA 31 (4), 477-479.  
 Aquaculture Data Base No.: 1407

1709 1974  
 PROGRESS REPORT ON OUTDOOR CULTURE  
 AND HARVEST OF MIDGE (CHIRONOMIDAE,  
 DIPTERA) LARVAE FOR FISH FOOD.  
 ALSTON, D.E.; DENOY, J.S.  
 PROCEEDINGS OF THE FIFTH ANNUAL  
 WORKSHOP WORLD MARICULTURE SOCIETY,  
 CHARLESTON, SOUTH CAROLINA. 403-409.  
 Aquaculture Data Base No.: 2781

1710 1974  
 Ratio of phytoplankton and zooplankton in grazing carp  
 ponds with high-density fish stocking. RUS.  
 Gorobets, L V.  
*Rybn Khoz.* 18: 66-72. 1974. )  
 NAL Call No.: SH91.A1R9

1711 1974  
 RESPONSE OF INTENSIVELY FED CHANNEL  
 CATFISH TO DIETS CONTAINING VARIOUS  
 PROTEIN-ENERGY RATIOS.  
 PRATHER, E.E.; LOVELL, R.T.  
 PROCEEDINGS SOUTHEASTERN ASSOCIATION  
 OF GAME AND FISH COMMISSIONERS 27,  
 455-459.  
 Aquaculture Data Base No.: 1445

1712 1974  
 SUSPENSION-FEEDING AQUACULTURE  
 SYSTEMS. EFFECTS OF PHYTOPLANKTON  
 CONCENTRATION AND TEMPERATURE ON  
 GROWTH OF THE BAY SCALLOP.  
 KIRBY-SMITH, W.W.; BARBER, R.T.  
 AQUACULTURE 3 (2), 135-145.  
 Aquaculture Data Base No.: 2522

1973

1713 1973  
 Acylated myofibrillar protein binder for aquacultural  
 feeds and fish baits.  
 Groninger, Herman S; Miller, Ruth.  
 Springfield, Va. : National Technical Information  
 Service, U.S. Dept. of Commerce,. 1973. 18, [2] leaves.  
 NAL Call No.: SH156.G7

1714 1973  
 Algal culture as aquaculture feed.  
 Taub, F B; Palmer, F E; Condrey, R E; Kern, R B;  
 Ballard, K A; Kalamasz, D F.  
*Res Fish.* 375: 78-79. Mar 1973. )  
 NAL Call No.: SH1.W33

1715 1973  
 AN AUTOMATED DEVICE FOR FEEDING  
 AQUATIC ORGANISMS.  
 RODE, R.  
 TRANSACTIONS OF THE AMERICAN FISHERIES  
 SOCIETY 102 (3), 645-646.  
 Aquaculture Data Base No.: 1126

1716 1973  
 CHROMIC SEXQUIOXIDE AS AN INDICATOR IN  
 DIGESTION STUDIES ON CHANNEL CATFISH.

PAPPAS, C.J.; TIEMEIER, O.W.; DEYOE, C.W.  
 THE PROGRESSIVE FISH-CULTURIST 35 (2), 97-99.  
 Aquaculture Data Base No.: 642

1717 1973  
 COMPARATIVE ANALYSIS OF THE FEEDING OF  
 UNDER-YEARLINGS OF THE PELYAD  
 (COREGONUS PELED (GMELIN)), THE BROAD  
 WHITEFISH (COREGONUS NASUS (PALLAS))  
 AND THEIR HYBRIDS WHEN REARED  
 TOGETHER.  
 VOLOSHENKO, B.B.  
 JOURNAL OF ICHTHYOLOGY 13 (4), 569-576.  
 Aquaculture Data Base No.: 983

1718 1973  
 COMPARISON OF FEEDING AND  
 BIODEPOSITION OF THREE BIVALVES AT  
 DIFFERENT FOOD LEVELS.  
 TENORE, K.R.; DUNSTAN, W.M.  
 MARINE BIOLOGY 21 (3), 190-195.  
 Aquaculture Data Base No.: 530

1719 1973  
 FACTORS AFFECTING FEED CONVERSION  
 RATIO IN FISH PONDS.  
 SCHROEDER, G.L.  
 BAMIDGEH 25 (4), 104-113.  
 Aquaculture Data Base No.: 1565

1720 1973  
 THE FEEDING OF ROACH (RUTILUS RUTILUS  
 (L.)) WHEN POND CARP (CYPRINUS CARPIO (L.))  
 ARE FED ON ARTIFICIAL FOOD IN LAKES.  
 TERESHENKOV, I.I.  
 JOURNAL OF ICHTHYOLOGY 13 (6), 946-949.  
 Aquaculture Data Base No.: 929

1721 1973  
 THE FOOD CHAIN DYNAMICS OF THE OYSTER,  
 CLAM, AND MUSSEL IN AN AQUACULTURE  
 FOOD CHAIN.  
 TENORE, K.R.; GOLDMAN, J.C.; CLARNER, J.P.  
 JOURNAL OF EXPERIMENTAL MARINE  
 BIOLOGY AND ECOLOGY 12 (2), 157-165.  
 Aquaculture Data Base No.: 527

1722 1973  
 FOOD PREFERENCE AND FEEDING OF THE BAY  
 SCALLOP, ARGOPECTEN IRRADIANS  
 IRRADIANS LAMARCK (1819).  
 TONER, R.C.  
 NORTHEASTERN UNIVERSITY. PHD  
 DISSERTATION, 1-90.  
 Aquaculture Data Base No.: 6685

1723 1973  
 GROWTH COMPARISONS OF OYSTERS,  
 MUSSELS, AND SCALLOPS CULTIVATED ON  
 ALGAE GROWN WITH ARTIFICIAL MEDIUM  
 AND TREATED SEWAGE EFFLUENT.  
 TENORE, K.R.; DUNSTAN, W.M.  
 CHESAPEAKE SCIENCE 14 (1), 64-66.  
 Aquaculture Data Base No.: 561

1724 1973  
 LABORATORY CULTURE OF CYCLOPOID  
 COPEPODS ON A DEFINITE FOOD.  
 BRANDL, Z.



VESTNIK CESKOSLOVENSKE SPOLEONOSTI  
ZOOLOGICKE 37 (2), 81-88.  
Aquaculture Data Base No.: 3681

1725 1973  
OBSERVATIONS SUR LE DEVELOPPEMENT  
LARVAIRE DE NYCTIPHANES COUCHII  
(CRUSTACEA, EUPHAUSIACEA) AU  
LABORATOIRE.  
LE ROUX, A.  
MARINE BIOLOGY 22 (2), 159-166.  
Aquaculture Data Base No.: 513

1726 1973  
Rearing Pacific salmon in saltwater ponds fertilized with  
domestic wastewater July 71-June 1972.  
Allen, George H.  
Arcata, Humboldt State University. 1973. 88 p. illus.  
NAL Call No.: SH167.S17A4  
(California. Humboldt State University. SHSU-SG-4)  
(Bibliography: p. 88.)

1727 1973  
The role of prior feeding and temperature in regulation  
of food uptake by brook trout.  
Hanson, Arthur John.  
Ann Arbor, Mich: University Microfilms; 1973. vii, 167  
leaves.  
NAL Call No.: DISS 73-11,140  
Facsimile produced by microfilm-xerography.  
Thesis--University of Michigan, 1972.  
(Bibliography: leaves 113-119.)

1728 1973  
USE OF DUCKWEED FOR WASTE TREATMENT  
AND ANIMAL FEED.  
CULLEY, D.D., JR.; EPPS, E.A.  
JOURNAL WATER POLLUTION CONTROL  
FEDERATION 45( 2), 337-347.  
Aquaculture Data Base No.: 4052

1729 1973  
A 14C TRACER STUDY OF A SIMPLE MARINE  
FOOD CHAIN WITH POSSIBLE APPLICATION  
TO POND AQUACULTURE.  
GATES, K.  
UNIVERSITY OF NORTH CAROLINA SEA  
GRANT PROGRAM. UNC-SG-73-10, 156-160.  
Aquaculture Data Base No.: 2205

1972

1730 1972  
THE EFFECT OF PERIODIC STARVATION ON  
PRAWNS - I PERIODIC STARVATION RELATED  
TO FEEDING AMOUNT AND GROWTH OF RED  
PRAWN, PENAEUS SP.  
LIAO, I.C.; LEE, C.S.  
COLLECTED REPRINTS. TUNGKANG MARINE  
LABORATORY 2 (REPRINT NO. 18), 1-24. (IN  
CHINESE, ENGLISH ABSTRACT).  
Aquaculture Data Base No.: 1754

1731 1972  
Food as the limit to commercial shrimp aquaculture: A  
challenge to the feed industry.  
Cordover, R D.

Hawaii Univ Ext Misc Publ. 93: 80-83. July 1972. .)  
NAL Call No.: S544.3.H3H3

1732 1972  
FOOD HABITS AND FEEDING SELECTIVITY OF  
STRIPED BASS FINGERLINGS IN CULTURE  
PONDS.  
HUMPHRIES, E.T.; CUMMING, K.B.  
PROCEEDINGS SOUTHEASTERN ASSOCIATION  
OF GAME AND FISH COMMISSIONERS 25,  
522-536.  
Aquaculture Data Base No.: 1068

1733 1972  
HATCHERY REARING OF WALLEYES USING  
ARTIFICIAL FOOD.  
CHESHIRE, W.F.; STEELE, K.L.  
THE PROGRESSIVE FISH-CULTURIST 34 (2), 96-99.  
Aquaculture Data Base No.: 4299

1734 1972  
NUTRITION AND FEEDING OF LARVAL FISH  
AND THE EFFECTS OF HIGH SALINITY, HEAT,  
AND OTHER POLLUTANTS.  
LASKER, R.  
UNIVERSITY OF CALIFORNIA, SAN DIEGO. SEA  
GRANT REPORT 1970-1971. NO.16. P.32-35.  
Aquaculture Data Base No.: 2429

1735 1972  
Nutrition problems in aquaculture. [Aquatic animals].  
Bardach, J E.  
Hawaii Univ Ext Misc Publ. 93: 74-78. July 1972. .)  
NAL Call No.: S544.3.H3H3

1736 1972  
PINK SHRIMP FEEDING EXPERIMENTS WITH  
WHEAT BRAN.  
CAILLOUET, C.W. JR.; HEINEN, J.M.; TABB, D.C.  
PROCEEDINGS OF THE THIRD ANNUAL  
WORKSHOP WORLD MARICULTURE SOCIETY.  
ST. PETERSBURG, FLORIDA. 415-459.  
Aquaculture Data Base No.: 882

1971

1737 1971  
Biological evaluation of aquatic plants as feed  
ingredients for channel catfish.  
Liang, Jium-Kuo  
1971: x, 60 leaves; 21 cm.  
NAL Call No.: DISS 71-27,835  
Photocopy. Ann Arbor, Mich. : University  
Microfilms, 1972.  
Thesis (Ph.D.)--Auburn University, 1971.  
(Bibliography: leaves 42-45.)

1738 1971  
BIOLOGICAL EVALUATION OF AQUATIC  
PLANTS AS POTENTIAL INGREDIENTS IN  
SUPPLEMENTAL FEEDS FOR CHANNEL  
CATFISH.  
LIANG, J.K.; LOVELL, R.T.  
PROCEEDINGS SOUTHEASTERN ASSOCIATION  
OF GAME AND FISH COMMISSIONERS 24,  
638-645.  
Aquaculture Data Base No.: 1044

1739 1971

The effect of trace elements on the development of zooplankton in carp spawning ponds. Der Einfluss von Spurenelementen auf die Entwicklung des Zooplanktons in Karpfenbrutstreckteichen. GER.

Mackeldey, Margret.

Munchen. 1971. 62 p. illus.

NAL Call No.: 41.2 M9222 ò1971 No.43Ö

(Munich. Universitat. Tierarztliche Fakultat.

[Inaugural-Dissertation, 1971, no. 43])

(English summary. Bibliography: p. 54-62)

1740 1971  
EXPERIMENTAL CRITERIA FOR STUDYING GRASS CARP FEEDING IN RELATION TO WEED CONTROL.

PROWSE, G.A.

THE PROGRESSIVE FISH-CULTURIST 33 (3), 128-131.

Aquaculture Data Base No.: 151

1741 1971  
FERTILIZER EXPERIMENTS IN CHUPEI FRESHWATER PONDS - I. THE EFFECT OF PHOSPHORUS FERTILIZER AND MIXED N-K-P ON PLANKTON AND FISH PRODUCTION.

ONG, H.S.

AQUICULTURE. TUNGKANG MARINE LABORATORY 1 (4), 14-22. (IN CHINESE, ENGLISH ABSTRACT).

Aquaculture Data Base No.: 1030

1742 1971  
FERTILIZER EXPERIMENTS IN FRESHWATER FISH PONDS - RELATION OF PHOSPHORUS AND NITROGEN TO PLANKTON AND FISH PRODUCTION.

ONG, H.S.

REPORTS OF FISH CULTURE. CHINESE-AMERICAN JOINT COMMISSION ON RURAL RECONSTRUCTION. FISHERIES SERIES NO. 11, 60-70. (IN CHINESE, ENGLISH ABSTRACT).

Aquaculture Data Base No.: 1300

1743 1971  
Food of the carp hatchlings in fish culture.

Bhimachar, B S.

*Indian Farming*. 20 (12): 45-46, 49. Mar 1971. .)

NAL Call No.: 22 IN283

1744 1971  
THE NATURAL FOOD SUPPLY IN PONDS WHEN PLANT-EATING FISHES ARE RAISED TOGETHER WITH POND CARP.

SOBOLEV, Y.A.

HYDROBIOLOGICAL JOURNAL 7 (5), 44-50.

Aquaculture Data Base No.: 1670

1745 1971  
NUTRITIONAL REQUIREMENTS IN SHELLFISH CULTURE.

UKELES, R.

ARTIFICIAL PROPAGATION OF COMMERCIALY VALUABLE SHELLFISH. P. 43-64. UNIVERSITY OF DELAWARE, NEWARK.

Aquaculture Data Base No.: 839

1746 1971  
SEA GRANT PROGRAM (LIVING RESOURCES). STUDIES OF THE USE OF VERTICAL SUBSTRATES FOR IMPROVING PRODUCTION OF PINK SHRIMP, PENAEUS DUORARUM BURKENROAD.

RICKARDS, W.L.

SEA GRANT TECHNICAL BULLETIN NUMBER

10, UNIVERSITY OF MIAMI. NOAA-71092827.

NATIONAL TECHNICAL INFORMATION

SERVICE. 163P.

Aquaculture Data Base No.: 385

1747 1971  
STUDIES ON FEEDING AND PROTEIN DIGESTIBILITY OF SILVER CARP, HYPOPHthalmichthys molitrix, (C. AND V.).

CHIANG, W.

REPORTS OF FISH CULTURE.

CHINESE-AMERICAN JOINT ON RURAL

RECONSTRUCTION FISHERIES SERIES NO. 11,

96-114.

Aquaculture Data Base No.: 1333

1970

1748 1970  
THE EFFECT OF PHOSPHORUS NITROGEN FERTILIZERS ON FISH PRODUCTION IN FRESHWATER PONDS.

LIN, Y.S.

REPORTS OF FISH CULTURE.

CHINESE-AMERICAN JOINT COMMISSION ON

RURAL RECONSTRUCTION. FISHERIES SERIES.

NO. 9.

Aquaculture Data Base No.: 2493

1749 1970  
EFFECT OF WATER HYACINTHS AND FERTILIZATION ON FISH-FOOD ORGANISMS AND PRODUCTION OF BLUEGILL AND REDEAR SUNFISH IN EXPERIMENTAL PONDS.

WAHLQUIST, H.

PROCEEDINGS SOUTHEASTERN ASSOCIATION

OF GAME AND FISH COMMISSIONERS 23,

373-384.

Aquaculture Data Base No.: 1078

1750 1970  
Evaluation of balance between fishes and available fish foods in multispecies fish culture ponds in Taiwan. [Plants, plankton].

Tang, Y A.

*Amer Fish Soc Trans*. 99 (4): 708-718. Oct 1970. .)

NAL Call No.: 414.9 AM3

(Bibliography: p. 717-718.)

1751 1970  
FERTILIZATION AND FEEDING IN COASTAL FISH FARMS IN TAIWAN.

CHEN, T.P.

COASTAL AQUACULTURE IN THE

INDO-PACIFIC REGION. P. 410-416. FISHING

NEWS (BOOKS) LTD., LONDON.

Aquaculture Data Base No.: 790

1752 1970  
Influence of organic-mineral fertilizers on development of phytoplankton in cultivated carp ponds. RUS.

IAnkavichiute, G IU.



FEEDING AND NUTRITION

*Akad Nauk Litov Ssr Darbai Tr Ser C. 1 (51): 81-95.*  
1970. )  
NAL Call No.: 511 AK192D  
(English summary. Bibliography: p. 94.)

1753 1970  
REARING DEVICES FOR STREAM INSECT  
LARVAE.  
MASON, W.T. JR.; LEWIS, P.A.  
THE PROGRESSIVE FISH-CULTURIST 32 (1), 61-62.  
Aquaculture Data Base No.: 59

1754 1970  
REQUIREMENTS FOR SUCCESSFUL  
FERTILIZATION TO INCREASE MILKFISH  
PRODUCTION.  
DJAJADIREDDJA, R.; POERNOMO, A.  
COASTAL AQUACULTURE IN THE  
INDO-PACIFIC REGION. P. 398-409. FISHING  
NEWS (BOOKS) LTD., LONDON.  
Aquaculture Data Base No.: 789

1755 1970  
STUDY OF THE DIGESTIBILITY OF THE  
NUTRIENTS IN ARTIFICIAL FOODS BY POND  
FISHES. COMMUNICATION I. DIGESTIBILITY  
OF THE NUTRIENTS OF PEANUT OIL MEAL,  
PEAS, BARLEY AND FEED MIXTURE BY  
TWO-YEAR-OLD CARP.  
SCHERBINA, M.A.; MOCHUL'SKAYA, V.F.;  
ERMAN, Y.E.  
JOURNAL OF ICHTHYOLOGY 10 (5), 662-667.  
Aquaculture Data Base No.: 1596

1965

1756 1965  
A FEEDING EXPERIMENT WITH STOCK EELS IN  
THE RIVER POND FARM AT  
MUDEN-ON-MOSEL.  
KOOPS, H.  
FISHERIES RESEARCH BOARD OF CANADA  
TRANSL. SER. 2280. (TRANSL. FROM GERMAN).  
19P.  
Aquaculture Data Base No.: 2946

## 7: PRODUCTION AND MANAGEMENT SYSTEMS

- 1982
- 1757 1982  
**AFTER SINARAPAN: THE PLANNED SMALL-SCALE FISH CAGE INDUSTRY OF LAKE BUHI.**  
 GINDELBERGER, B.  
 ICLARM NEWSLETTER 5 (1), 6-7.  
 Aquaculture Data Base No.: 9607
- 1758 1982  
**Biology and exploitation of paddlefish in the Missouri River below Gavins Point Dam (fish, management, USA).**  
 Rosen, R.A.; Hales, D.C.; Unkenholz, D.G.  
 Transactions of the American Fisheries Society; v. 111, (2), p. 216-222. Mar 1982. (Lawrence, Kan.: The Society)  
 NAL Call No.: 414.9 AM3  
 (Includes 2 p. ref.)
- 1759 1982  
**Cage-raised catfish, food at your fingertips (Fish culture systems).**  
 Soil and water conservation news - United States Dept. of Agriculture, Soil Conservation Service; v. 2, (11), p. 4. ill. Feb 1982. (Washington, D.C.: The Service.)  
 NAL Call No.: aS622.S6
- 1760 1982  
**Caged catfish production in private farm ponds.**  
 Lowell, F.; Newton, S.H.; Torrans, E.L.  
 Arkansas farm research - Arkansas Agricultural Experiment Station; v. 31, (2), p. 14. ill. Mar/Apr 1982. (Fayetteville, Ark.: The Station.)  
 NAL Call No.: 100 AR42F
- 1761 1982  
**The Chinese grass carp, *Ctenopharyngodon idella*, its biology, introduction, control of aquatic macrophytes and breeding in the Sudan.**  
 George, T.T.  
 Aquaculture; v. 27, (3), p. 317-327. Apr 1982. (Amsterdam: Elsevier Scientific Publishing.)  
 NAL Call No.: SH1.A6  
 (Includes 2 p. ref.)
- 1762 1982  
**Comparison experiment between a model and a full scale artificial floating fish reef (Equipment).**  
 Honda, K.; Myose, H.; Sawada, T.  
 Bulletin of the Japanese Society of Scientific Fisheries; v. 4, p. 927-931. ill. July 1982. (Tokyo, Japan: The Society.)  
 NAL Call No.: 414.9 J274
- 1763 1982  
**Cultivation of macroscopic marine algae and fresh water aquatic weeds.**  
 Ryther, John H.
- Golden, Colo: Solar Energy Research Institute; Springfield, Va. - Available from National Technical Information Service - 1982. ix, 142 p.: ill.; 28 cm.  
 NAL Call No.: TP360.R9  
 "Woods Hole Oceanographic Institution. "February 1982. "Prepared under task no. 3337.01, WPA no. 274-81.".  
 (Bibliography: p. 142.)
- 1764 1982  
**Development of mullet fisheries (Mugilidae) in Lake Quarun, Egypt.**  
 Ishak, M.M.; Abdel-Malek, S.A.; Shafik, M.M.  
 Aquaculture; v. 27, (3), p. 251-260. Apr 1982. (Amsterdam: Elsevier Scientific Publishing.)  
 NAL Call No.: SH1.A6  
 (Includes 2 p. ref.)
- 1765 1982  
**Dynamic modeling of the eastern Gulf of Mexico shrimp fishery.**  
 Blomo, V.J.; Nichols, J.P.; Griffin, W.L.; Grant, W.E.  
 American journal of agricultural economics; v. 64, (3), p. 475-482. Aug 1982. (Lexington, Ky.: American Agricultural Economics Association.)  
 NAL Call No.: 280.8 J822  
 (22 ref.)
- 1766 1982  
**Experience in trout production in Potsdam Region. Erfahrungen bei der Sicherung der Forellenproduktion im Bezirk Potsdam. GERMAN.**  
 Worseck, M.; Richter, W.; Rummier, H.J.; Reinhold, H.; Kraus, H.; Brockmann, L.  
 Monatshefte für Veterinärmedizin; v. 37, (9), p. 343-346. map. May 1, 1982. (Jena, East Germany: Gustav Fischer Verlag.)  
 NAL Call No.: 41.8 M742  
 (15 ref.)
- 1767 1982  
**Experience of the rearing of juvenile of valuable species in a warm water hatchery at Szahalombatt in Hungary (Fisheries).**  
 Rudenko, G.P.  
 Hydrobiological journal; v. 16, (6), p. 89-91. 1980 (pub. 1982). (Silver Spring, Md.: Scripta.)  
 NAL Call No.: QH90.A1H93  
 Translated from: Gidrobiologicheskii zhurnal. (QH90.A1G5).
- 1768 1982  
**FAMILY'S AQUACULTURE EXPERIMENT PASSES TASTE TEST.**  
 CAUDLE, N.  
 COAST WATCH, MAY, 1982, 2PP.  
 Aquaculture Data Base No.: 9455
- 1769 1982  
**Farmed fish (Production in Europe).**  
 Kinghorn, B.P.; Gjedrem, T.



Livestock production science; v. 9, (1/2), p. 263-269.  
Apr 1982. (Amsterdam: Elsevier Scientific.)  
NAL Call No.: SF1.L5  
(3 ref.)

1770 1982  
**FARMING FISH IN YOUR OWN BACKYARD - THE BASICS.**  
HART, K.  
COAST WATCH, MAY, 1982, 4PP.  
Aquaculture Data Base No.: 9454

1771 1982  
**THE FEASIBILITY OF MASS CULTURE OF THE BULLFROG IN HAWAII. A PRELIMINARY EVALUATION.**  
CULLEY, D.D., JR.; BALDWIN, W.J.; ROBERTS, K.J.  
LOUISIANA STATE UNIVERSITY, SEA GRANT  
NO. LSU-81-004, 1-26.  
Aquaculture Data Base No.: 9711

1772 1982  
**Fish and fisheries of India.**  
Jhingran, V. G.  
Delhi: Hindustan Publishing; 1982. xx, 666 p.: ill., maps; 29 cm.  
NAL Call No.: SH299.J4 1982  
Includes indexes.  
(Bibliography: p. (604)-634.)

1773 1982  
**Fish culture in Southeast Asia (Indonesia, Malaysia, Philippines, Singapore, Thailand).**  
Lam, T.J.  
Canadian journal of fisheries and aquatic sciences = Journal canadien des sciences halieutiques et aquatiques; v. 39, (1), p. 138-142. Jan 1982. (Ottawa: Govt. of Canada, Fisheries and Oceans.)  
NAL Call No.: 442.9 C16J  
(Includes 2 p. ref.)

1774 1982  
**Fish farming in Norway: competition for Pacific salmon? (Salmo salar).**  
Hansen, F.; Lent, R.  
Aquaculture magazine; v. 8, (4), p. 34-36. ill. May/June 1982. (Little Rock, Ark: Briggs Associates, Inc.)  
NAL Call No.: SH1.C65

1775 1982  
**FISH FARMING LINE.**  
GIUDICE, J.  
AQUACULTURE MAGAZINE 8 (4), 40-41.  
Aquaculture Data Base No.: 9600

1776 1982  
**Fish management: a definition (Virginia).**  
Kauffman, J.  
Virginia wildlife; v. 43, (1, special issue), p. 22-23. ill. Jan 1982. (Blacksburg, Va.: Commission of Game and Inland Fisheries.)  
NAL Call No.: 410 V81

1777 1982  
**Further observations on a fish production system that incorporates hydroponically grown plants (Channel catfish, Ictalurus punctatus and tomatoes, Lycopersicon esculentum).**  
Sutton, R.J.; Lewis, W.M.

The Progressive fish culturist; v. 44, (1), p. 55-59. ill. Jan 1982. ((s.l.): United States Fish and Wildlife Service.)  
NAL Call No.: 157.5 P94  
(Includes 9 ref.)

1778 1982  
**General Mills' experiences in fresh-water shrimp farming in Latin America.**  
Wulff, R.E.  
Proceedings - Gulf and Caribbean Fisheries Institute; (pub. 1982). (34th), p. 88-89. 1981 (pub. 1982). (Miami: The Institute.)  
NAL Call No.: SH1.G8

1779 1982  
**Growth of pearl oyster Pinctada fucata (gould) in cage culture at Kundugal Channel, Gulf of Mannar (India).**  
Nalluchinnappan, I.; Dev, D.S.; Irulandi, M.; Jeyabaskaran, Y.  
Indian journal of marine sciences; v. 11, (2), p. 193-194. ill. June 1982. (New Delhi, India: Council of Scientific & Industrial Research.)  
NAL Call No.: QH91.A1I48  
(4 ref.)

1780 1982  
**HEATING AN AQUACULTURE POND WITH A SOLAR POOL BLANKET.**  
WISELY, B.; HOLLIDAY, J.E.; MACDONALD, R.E.  
AQUACULTURE 26 (3,4), 385-387.  
Aquaculture Data Base No.: 9474

1781 1982  
**High-rate algae ponds for wastewater treatment and protein production.**  
Shelef, G.  
Water science and technology : a journal of the International Association on Water Pollution Research; v. 14, (1/2), p. 439-452. ill. 1982. (Oxford: Pergamon Press.)  
NAL Call No.: TD420.A1P7  
(Includes 31 ref.)

1782 1982  
**Influence of time and size at release of juvenile coho salmon (Oncorhynchus kisutch) on returns at maturity.**  
Bilton, H.T.; Alderdice, D.F.; Schnute, J.T.  
Canadian journal of fisheries and aquatic sciences = Journal canadien des sciences halieutiques et aquatiques; v. 39, (3), p. 426-447. map. Mar 1982. (Ottawa: Govt. of Canada, Fisheries and Oceans.)  
NAL Call No.: 442.9 C16J  
(Includes 1 p. ref.)

1783 1982  
**Information on the culture of phytoplankton for aquacultural needs in Japan (Includes feeding fish and other aquatic animals).**  
Saito, Y.  
NOAA technical report NMFS Circular - United States, National Marine Fisheries Service; (442), p. 1-5. Mar 1982. (Rockville, Md.: The Service.)  
NAL Call No.: QL121.A1U5  
(12 ref.)

1784 1982  
**INTEGRATION OF DUCK AND FISH FARMING: EXPERIMENTAL RESULTS.**  
BARASH, H.; PLAVNIK, I.; MOAV, R.

AQUACULTURE 27 (2), 129-140.  
Aquaculture Data Base No.: 9587

AQUACULTURE MAGAZINE 8 (2), 11-12.  
Aquaculture Data Base No.: 9282

1785 1982  
**Integration of duck and fish farming: experimental results.**  
Barash, H.; Plavnik, I.; Moav, R.  
Aquaculture; v. 27, (2), p. 129-140. Mar 1982.  
(Amsterdam: Elsevier Scientific Publishing.)  
NAL Call No.: SH1.A6  
(Includes 13 ref.)

1793 1982  
**Poly-cultural system of freshwater fish in China.**  
Hao-Ren, L.  
Canadian journal of fisheries and aquatic sciences =  
Journal canadien des sciences halieutiques et aquatiques;  
v. 39, (1), p. 143-150. Jan 1982. (Ottawa: Govt. of  
Canada, Fisheries and Oceans.)  
NAL Call No.: 442.9 C16J  
(Includes 1 p. ref.)

1786 1982  
**KENYA PIONEERS INTENSIVE TANK CULTURE OF TILAPIA.**  
BALARIN, J.D.  
ICLARM NEWSLETTER 5 (1), 17-18.  
Aquaculture Data Base No.: 9610

1794 1982  
**Potential for increasing artisanal fisheries production from floating artificial habitats in the Caribbean.**  
De Sylva, D.P.  
Proceedings - Gulf and Caribbean Fisheries Institute;  
(pub. 1982). (34th), p. 156-167. ill. 1981 (pub. 1982).  
(Miami: The Institute.)  
NAL Call No.: SH1.G8  
(4 p. ref.)

1787 1982  
**Management of a multiple cohort fishery: the hard clam in Great South Bay (Long Island, New York).**  
Conrad, J.M.  
American journal of agricultural economics; v. 64, (3), p. 463-474. Aug 1982. (Lexington, Ky.: American Agricultural Economics Association.)  
NAL Call No.: 280.8 J822  
(16 ref.)

1795 1982  
**Prawn culture opens new vistas in India coastal areas.**  
Mazumdar, T.C.  
Farmer and parliament; v. 17, (1), p. 8. Jan 1982. (New Delhi, India: Farmers' Parliamentary Forum.)  
NAL Call No.: S19.F37

1788 1982  
**Management of crop ponds. Die Bewirtschaftung von Karpfenteichen. GERMAN.**  
Kunze, Kurt.  
Hamburg: Parey; 1982. 124 p.: ill.; 22 cm.  
NAL Call No.: SH167.C3K83 1982  
Previously published: So bewirtschaftet man Karpfenteiche Includes index.

1796 1982  
**Prawns and prawn fisheries of India.**  
Kurian, C. V.; Sebastian, V. O.  
Delhi: Hindustan Pub. Corp; 1982. xiv, 286 p.: ill.; 25 cm.  
NAL Call No.: SH380.62.I45K87 1982  
Includes indexes.  
(Bibliography: p. (258)-266.)

1789 1982  
**MICROCOMPUTER HELPS FISH FARMERS MAKE PRODUCTION MANAGEMENT DECISIONS.**  
KILLCREAS, W.E.  
AQUACULTURE MAGAZINE 8 (3), 14.  
Aquaculture Data Base No.: 9501

1797 1982  
**Preliminary studies to culture mangrove oysters, Crassostrea tulipa, in Sierra Leone.**  
Kamara, A.B.  
Aquaculture; v. 27, (3), p. 285-294. Apr 1982.  
(Amsterdam: Elsevier Scientific Publishing.)  
NAL Call No.: SH1.A6  
(Includes 10 ref.)

1790 1982  
**MINNESOTA BAIT LEECH STUDY PRODUCES RESULTS ON CULTURE VS. WILD HARVEST.**  
BERNER, R.  
AQUACULTURE MAGAZINE 8 (2), 46-47.  
Aquaculture Data Base No.: 9293

1798 1982  
**The production of smolt and the recaptures of tagged adult salmon in the Matamec River, North Shore of the Gulf of Saint Lawrence, Quebec (Canada). Production de saumonceaux et recaptures de saumons adultes etiquetes a la Riviere Matamec, Cote-Nord, Golfe du Saint-Laurent, Quebec. FRENCH.**  
Gibson, R.J.; Cote, Y.  
Le Naturaliste canadien; v. 109, (1), p. 13-25. June 1982.  
(Quebec: Les Presses de l'Universite Laval.)  
NAL Call No.: 410 N216  
(2 p. ref.)

1791 1982  
**New York scientist produces "Montauk Genetic Blue Lobsters" (Homarus americanus).**  
Porterfield, B.  
Aquaculture magazine; v. 8, (3), p. 36-41. ill. Mar/Apr 1982. (Little Rock, Ark.: Briggs Associates, Inc.)  
NAL Call No.: SH1.C65

1792 1982  
**PEACE CORPS AIDS DEVELOPMENT OF MOROCCAN CARP CULTURE PROJECT.**  
OGRODNIK, W.

1799 1982  
**PRODUCTION OF YOUNG NORTHERN PIKE FAMILIES IN SMALL PONDS: NATURAL SPAWNING VERSUS FRY STOCKING.**  
BRY, C.; SOUCHON, Y.



TRANSACTIONS OF THE AMERICAN FISHERIES SOCIETY 111 (4), 476-480.  
Aquaculture Data Base No.: 9706

1800 1982  
Production technical and economic data of fish farming. Produktionstechnische und betriebswirtschaftliche Daten der Fischhaltung. GERMAN.  
Proske, C.  
Der Tierzuchter; v. 34, (2), p. 74-77. Feb 25, 1982. (Hildesheim: Arbeitsgemeinschaft Deutscher Tierzuchter.)  
NAL Call No.: 49 T445  
(2 ref.)

1801 1982  
Rearing lake whitefish to fingerling size (*Coregonus clupeaformis*).  
Raisanen, G.R.; Behmer, D.J.  
The Progressive fish culturist; v. 44, (1), p. 33-36. ill. Jan 1982. ((s.l.): United States Fish and Wildlife Service.)  
NAL Call No.: 157.5 P94  
(Includes 17 ref.)

1802 1982  
RESEARCH METHODOLOGY AT THE USL CRAWFISH RESEARCH CENTER.  
GOOCH, D.  
CRAWFISH TALES 1 (1), 7-10.  
Aquaculture Data Base No.: 9459

1803 1982  
A rocking tray for agricultural model experiments with mass cultures of microscopic algae under field conditions.  
Payer, H.D.; Polsiri, A.  
British phycological journal; v. 17, (1), p. 21-26. ill. Mar 1982. (London: Academic Press.)  
NAL Call No.: 450 P568  
(Includes 8 ref.)

1804 1982  
Seeforellen in New York (Brown trout, *Salmo trutta lacustris*, hatchery).  
Garrell, M.H.; Strait, L.E.  
New York fish and game journal; v. 29, (1), p. 97-100. ill. Jan 1982. (Albany: New York Conservation Dept., Division of Fish and Game.)  
NAL Call No.: 410 N48  
(Includes 6 ref.)

1805 1982  
SHELLFISH AQUACULTURE IN THE PACIFIC NORTHWEST.  
GLUDE, J.B.; CHEW, K.K.  
PROCEEDINGS OF THE NORTH PACIFIC AQUACULTURE SYMPOSIUM, ANCHORAGE, ALASKA, AUGUST 18-21, 1980, NEWPORT, OREGON, AUGUST 25-27, 1980, ALASKA SEA GRANT REPORT 82-2, 291-304.  
Aquaculture Data Base No.: 9735

1806 1982  
THE SIGNAL CRAWFISH FROM CALIFORNIA.  
HUNER, J.

CRAWFISH TALES 1 (1), 4-5.  
Aquaculture Data Base No.: 9458

1807 1982  
Significance of pond pisciculture in agriculture in the Upper Palatinate administrative district (West Germany, fish production and management on farms). Die Bedeutung der Teichwirtschaft in der Landwirtschaft i Regierungsbezirk Oberpfalz. GERMAN.  
Bach, L.  
Bayerisches landwirtschaftliches Jahrbuch; v. 59, (3), p. 341-355. ill. 1982. (Munchen: BLV Verlagsgesellschaft.)  
NAL Call No.: 18 L24  
(3 ref.)

1808 1982  
Some experiences in aquaculture development (Fisheries, Italy, Central African Republic, Philippines).  
Pillay, T.V.R.  
Proceedings - Gulf and Caribbean Fisheries Institute; (pub. 1982). (34th), p. 64-72. 1981 (pub. 1982). (Miami: The Institute.)  
NAL Call No.: SH1.G8

1809 1982  
South Carolina ricefields provide nutritious home for giant shrimp.  
Frye, G.A.  
Aquaculture magazine; v. 8, (3), p. 30-35. ill. Mar/Apr 1982. (Little Rock, Ark.: Briggs Associates, Inc.)  
NAL Call No.: SH1.C65

1810 1982  
TEXAS A-M MARICULTURE CENTER RAISES TWO CROPS OF SHRIMP IN ONE SEASON.  
LYNCH, T.  
AQUACULTURE MAGAZINE 8 (3), 16-17.  
Aquaculture Data Base No.: 9502

1811 1982  
Use of cycle dummy variables and race escapement in the Fraser River sockeye (*Oncorhynchus nerka*) recruitment function (Canada, Prince Edward Island).  
Gardner, P.N.  
Canadian journal of fisheries and aquatic sciences = Journal canadien des sciences halieutiques et aquatiques; v. 39, (2), p. 264-269. Feb 1982. (Ottawa: Govt. of Canada, Fisheries and Oceans.)  
NAL Call No.: 442.9 C16J  
(Includes 2 p. ref.)

1812 1982  
WEYERHAEUSER CLOSES BRAZIL PRAWN FARM; DEVELOPS OTHER LATIN AMERICAN INTERESTS.  
BELLEVILLE, B.  
AQUACULTURE MAGAZINE 8 (4), 5-6.  
Aquaculture Data Base No.: 9592

1813 1982  
What happened to the Queensland oyster industry? A lesson from history (*Saccostrea* (*Crassostrea*) *commercialis*).  
Smith, G.S.  
Australian fisheries; v. 41, (3), p. 42-45. ill., map. Mar 1982. (Canberra, Australia: Australian Government Publishing Service.)  
NAL Call No.: SH317.A8

1981

**1814** **1981**  
**Abundance estimation in a feedback control system applied to the management of a commercial salmon fishery (*Oncorhynchus nerka*, Alaska).**  
 Mundy, P.R.; Mathisen, O.A.  
 Applied operations research in fishing / edited by K. Brian Haley; p. 81-98. ill., map. 1981. (New York: Plenum Press ;)  
 NAL Call No.: SH331.5.M48N37 1979  
 (13 ref.)

**1815** **1981**  
**An acoustic survey for the estimation of fish stocks and behavior of Kokanee (*Oncorhynchus nerka* f. *adonis*) in Lake Kuttara (Hokkaido). JAPANESE.**  
 Iida, K.; Suzuki, T.  
 Hokkaido Daigaku Suisangaku-bu kenkyu iho = Bulletin of the Faculty of Fisheries, Hokkaido University; v. 32, (3), p. 272-280. ill., maps. Sept 1981. (Hakodate, Japan: The Faculty.)  
 NAL Call No.: 414.9 H682  
 (8 ref.)

**1816** **1981**  
**Adaptive management of (the fishery) stock-recruitment systems (Ricker model).**  
 Smith, A.D.M.; Walters, C.J.  
 Canadian journal of fisheries and aquatic sciences. = Journal canadien des sciences halieutiques et aquatiques; v. 38, (6), p. 690-703. ill. June 1981. (Ottawa: Govt. of Canada, Fisheries and Oceans.)  
 NAL Call No.: 442.9 C16J  
 (Bibliography p. 700-701.)

**1817** **1981**  
**An air-operated fish culture system with water-reuse and subsurface silos.**  
 Parker, N.C.  
 Proceedings of the Bio-Engineering Symposium for Fish Culture / edited by Lochie Jo Allen and Edward C. Kinney; p. 131-137. ill. 1981. (Bethesda, Md.: Fish Culture Section of the American Fisheries Society,)  
 NAL Call No.: SH151.B54 1979  
 (2 p. ref.)

**1818** **1981**  
**American trout farming marks 100 years plus--still growing.**  
 Erickson, J.D.  
 Aquaculture magazine; v. 7, (3), p. 14-17. ill. Mar/Apr 1981. (Little Rock, Ark.: Briggs Associates, Inc.)  
 NAL Call No.: SH1.C65  
 (3 ref.)

**1819** **1981**  
**Application of a nutrient-saturated growth model to phytoplankton management in freshwater prawn (*Macrobrachium rosenbergii*) ponds in Hawaii.**  
 Laws, E.A.; Malecha, S.R.  
 Aquaculture; v. 24, (1/2), p. 91-101. ill. May 1981. (Amsterdam: Elsevier Scientific Publishing.)  
 NAL Call No.: SH1.A6  
 (17 ref.)

**1820** **1981**  
**An approach to functional, economical and practical fish culture through better bio-engineering.**  
 Buss, K.W.

Proceedings of the Bio-Engineering Symposium for Fish Culture / edited by Lochie Jo Allen and Edward C. Kinney; p. 227-234. 1981. (Bethesda, Md.: Fish Culture Section of the American Fisheries Society,)  
 NAL Call No.: SH151.B54 1979  
 (5 ref.)

**1821** **1981**  
**Aquaculture (Lagoons exploitation, fishes, Mediterranean).**  
 Querellou, J.  
 Studies and reviews - Food and Agricultural Organization of the United Nations, General Fisheries Council for the Mediterranean; (58), p. 273-291. 1981. (Rome: The Council.)  
 NAL Call No.: SH1.F65  
 (Includes 6 ref.)

**1822** **1981**  
**AQUACULTURE - CATFISH AND TROUT. UNITED STATES DEPARTMENT OF AGRICULTURE, ECONOMICS AND STATISTICS SERVICE, 1-14.**  
 Aquaculture Data Base No.: 8764

**1823** **1981**  
**AQUACULTURE - GROWING SALMON. ODO, D.**  
 PROCEEDINGS OF THE SIXTH ANNUAL STUDENT SYMPOSIUM ON MARINE AFFAIRS, UNIHI-SEAGRANT-MR-81-08, 83-89.  
 Aquaculture Data Base No.: 8998

**1824** **1981**  
**AQUACULTURE AS A METHOD FOR MEETING HATCHERY DISCHARGE STANDARDS.**  
 BROWN, C.M.; NASH, C.E.  
 PROCEEDINGS OF THE BIO-ENGINEERING SYMPOSIUM FOR FISH CULTURE, TRAVERSE CITY, MICHIGAN, OCT.16-18, 1979, FCS OF AFS, 183-189.  
 Aquaculture Data Base No.: 8934

**1825** **1981**  
**Aquaculture of pearl spot (*Etroplus suratensis*) in an estuarine pond: environmental characteristics, primary production, growth and cost-benefit ratio.**  
 Sumitra-Vijayaraghavan.; Krishna Kumari, L.; Gopinathan, V.G.; Dhawan, R.M.  
 Indian journal of marine sciences; v. 10, (1), p. 82-89. ill. Mar 1981. (New Delhi: Council of Scientific & Industrial Research, Publications & Information Directorate.)  
 NAL Call No.: QH91.A1148  
 (Includes 18 ref.)

**1826** **1981**  
**Aquarium systems.**  
 Hawkins, A. D.  
 London: New York; Academic Press \_ 1981. x, 452 p.: ill.; 24 cm.  
 NAL Call No.: SF457.A67  
 (Includes bibliographies and index.)

**1827** **1981**  
**AQUATIC PRODUCTION SYSTEMS: ALGAE. PRUDER, G.D.**



PRODUCTION AND MANAGEMENT SYSTEMS

EUROPEAN MARICULTURE SOCIETY SPECIAL PUBLICATION NO.7, PROCEEDINGS OF THE INTERNATIONAL WORKSHOP ON NURSERY CULTURING OF BIVALVE MOLLUSCS, GHENT, BELGIUM, 24-26 FEB., 1981, 219-226.  
Aquaculture Data Base No.: 9444

1828 1981  
Artificial rearing of pike in ponds. UKRAINIAN.  
Shcherbukha, A.IA.  
Tvarynystvo Ukrainy; (3), p. 55. Mar 1981. (Kyiv: "Urozhai".)  
NAL Call No.: 49 SO712

1829 1981  
The Australian chinook salmon fishery (Oncorhynchus tshawytscha).  
Rogan, P.L.  
Occasional publication - Fisheries Research Division; (30), p. 78-82. ill. 1981. (Wellington: New Zealand Ministry of Agriculture and Fisheries.)  
NAL Call No.: SH318.5.A1N4

1830 1981  
BACKYARD AQUACULTURE EXAMINED IN HAWAII.  
WATTS, R.  
AQUACULTURE MAGAZINE 7 (6), 14-15.  
Aquaculture Data Base No.: 9332

1831 1981  
BAITFISH CULTURE IN THE SOUTH: LEARNING THE BASICS.  
GUIDICE, J.; GRAY, S.L.; MARTIN, M.  
AQUACULTURE MAGAZINE 7 (5), 26-31.  
Aquaculture Data Base No.: 9154

1832 1981  
A bibliography of Tilapia (family Cichlidae) in Taiwan (Systematics, biology, ecology, fisheries biology, dietary requirements, disease, processing, and breeding and cultivation).  
Lai, C.F.; Huang, L.C.  
Aquaculture; v. 22, (4), p. 389-394. ill. Mar 1981. (Amsterdam: Elsevier Scientific Publishing.)  
NAL Call No.: SH1.A6  
(112 ref.)

1833 1981  
BIO-ENGINEERING - AN OVERVIEW.  
BURROWS, R.E.  
PROCEEDINGS OF THE BIO-ENGINEERING SYMPOSIUM FOR FISH CULTURE, TRAVERSE CITY, MICHIGAN, OCT.16-18, 1979, FCS OF AFS, 1.  
Aquaculture Data Base No.: 8912

1834 1981  
Bio-engineering and facility design (Fish production facilities).  
McDaniel, D.W.  
Proceedings of the Bio-Engineering Symposium for Fish Culture / edited by Lochie Jo Allen and Edward Q. Kinney; p. 190-191. 1981. (Bethesda, Md.: Fish Culture Section of the American Fisheries Society.)  
NAL Call No.: SH151.B54 1979

1835 1981  
Biology and management of striped bass (Roccus saxatilis).  
Cooper, J.C.

Transactions of the American Fisheries Society; v. 110, (1), p. 93-94. Jan 1981. (Lawrence, Kan.: The Society.)  
NAL Call No.: 414.9 AM3

1836 1981  
Canada's west coast salmonid enhancement program--potential and concern.  
Groot, C.  
Occasional publication - Fisheries Research Division; (30), p. 91-93. 1981. (Wellington: New Zealand Ministry of Agriculture and Fisheries.)  
NAL Call No.: SH318.5.A1N4

1837 1981  
Catfish farming.  
(Washington, D.C.): The Service; 1981. 29 p.: ill.; 22 cm.  
NAL Call No.: 1 Ag84F no.2260 1981  
Cover title.  
(United States. Dept. of Agriculture. Farmers' bulletin ; no. 2260)

1838 1981  
CATFISH RESEARCH EXPANDING AT MISSISSIPPI STATE UNIVERSITY.  
KIGHT, T.G.  
AQUACULTURE MAGAZINE 7 (5), 16-21.  
Aquaculture Data Base No.: 9152

1839 1981  
Commercial catfish farming.  
Lee, Jasper S.  
Danville, Ill: Interstate; 1981. 310 p.: ill., map: 24 cm.  
NAL Call No.: SH167.C35L4 1981  
Includes index.  
(Bibliography: p. 303-306.)

1840 1981  
Commercial fish farming : with special reference to fish culture in Israel.  
Hepher, Balfour; Pruginin, Yoel.  
New York: Wiley; 1981. ix, 261 p.: ill.; 24 cm.  
NAL Call No.: SH151.H53  
"A Wiley-Interscience publication. Includes index.  
(Bibliography: p. 239-251.)

1841 1981  
COMPARISON OF FIVE FERTILIZATION PROGRAMS FOR FISH PONDS.  
BOYD, C.E.  
TRANSACTIONS OF THE AMERICAN FISHERIES SOCIETY 110 (4), 541-545.  
Aquaculture Data Base No.: 9639

1842 1981  
A comparison of two closed recirculating systems for the culture of Tilapia.  
Allison, R.; Rakocy, J.E.; Moss, D.D.  
New York: Academic Press; 1981. p. 979-1019. ill.  
NAL Call No.: S612.2.A38  
Literature review.  
(Bibliography p. 1017-1019.)

1843 1981  
Computer simulations of solar energy utilisation in the bio-industries (Fish-farming; livestock housing).  
Grove, S.M.

Energy conservation and use of renewable energies in the bio-industries : proceedings of the International Seminar on Energy Conservation and the Use of Solar and other Renewable Energies in Agriculture, Horticulture, and Fishculture, held at the Polytechnic of Central London, 15-19 September 1980. International Seminar on Energy Conservation and the Use of Solar and other Renewable Energies in Agriculture, Horticulture, and Fishculture (1980 : Polytechnic of Central London); p. 197-216. ill. 1981. (Oxford: Pergamon Press.)

NAL Call No.: TJ810.I49 1980  
(Bibliography p. 216.)

**1844** **1981**  
Conditional fishery status as a solution to overcapitalization in the Gulf of Mexico shrimp fishery. Blomo, V.  
Marine fisheries review; v. 43, (7), p. 20-24. July 1981. (Washington, D.C.: Scientific Publications Office, National Marine Fisheries Service.)  
NAL Call No.: 157.5 F532  
(Includes 18 ref.)

**1845** **1981**  
Considerations for selecting fish production facilities. Parker, N.C.  
Proceedings of the Bio-Engineering Symposium for Fish Culture / edited by Lochie Jo Allen and Edward C. Kinney; p. 238-239. 1981. (Bethesda, Md.: Fish Culture Section of the American Fisheries Society.)  
NAL Call No.: SH151.B54 1979  
(5 ref.)

**1846** **1981**  
CRAWFISH/CRAYFISH VIVE LA DIFFERENCE. WRIGHT, J.; WRIGHT, K.  
AQUACULTURE MAGAZINE 7 (4), 46-47.  
Aquaculture Data Base No.: 8877

**1847** **1981**  
CRSP (Collaborative Research Support Program) develops (pond) aquaculture systems, technology for protein-poor countries. Eliassen, M.  
Aquaculture magazine; v. 7, (5), p. 48. July/Aug 1981. (Little Rock, Ark.: Briggs Associates, Inc.)  
NAL Call No.: SH1.C65

**1848** **1981**  
Crustacea (Shrimp, prawn, Palaemon serratus, Palaemon japonicus, raising and nutrition). Crustacea. FRENCH. Cuzon, G.  
Informations techniques de services veterinaires; (76/79), p. 27-35. ill. 1981. (Paris: Direction des services veterinaires.)  
NAL Call No.: 41.9 F843I  
(Includes 7 ref.)

**1849** **1981**  
Cultivation of the Sydney rock oyster Crassostrea commercialis (Iredale and Roughley) in prawn farming ponds. Maguire, G.B.; Wisely, B.; Skeel, M.E.  
Aquaculture; v. 24, (1/2), p. 63-75. ill. May 1981. (Amsterdam: Elsevier Scientific Publishing.)  
NAL Call No.: SH1.A6  
(29 ref.)

**1850** **1981**  
Culture of shellfish. Walne, P.R.

Aquarium systems / edited by A.D. Hawkins; p. 347-371. 1981. (London: New York :)  
NAL Call No.: SF457.A67  
(2 p. ref.)

**1851** **1981**  
CULTURE OF THE GLASS SHRIMP. CHEW, L.E.  
THE PROGRESSIVE FISH-CULTURIST 43 (1), 25-26.  
Aquaculture Data Base No.: 8659

**1852** **1981**  
CULTURE OF THE MUD CRAB, SCYLLA SERRATA (FORSKAL) AT DIFFERENT STOCKING DENSITIES IN BRACKISHWATER PONDS. BALIAO, D.D.; RODRIGUEZ, E.M.; GEROCHI, D.D.  
SEAFDEC QUARTERLY RESEARCH REPORT 5 (1), 10-14.  
Aquaculture Data Base No.: 9687

**1853** **1981**  
Design features of a carp hatchery in Bangladesh. Snell, J.R.; Chowdhury, A.Q.; Bailey, W.M.; Sneed, K.E.  
Proceedings of the Bio-Engineering Symposium for Fish Culture / edited by Lochie Jo Allen and Edward C. Kinney; p. 282-295. ill., map. 1981. (Bethesda, Md.: Fish Culture Section of the American Fisheries Society.)  
NAL Call No.: SH151.B54 1979  
(7 ref.)

**1854** **1981**  
The development of a machine for the restoration of stream gravel for spawning and rearing of salmon. Mih, W.C.; Bailey, G.C.  
Fisheries; v. 6, (6), p. 16-20. ill. Nov/Dec 1981. (Bethesda, Md.: American Fisheries Society.)  
NAL Call No.: SH1.F54  
(Includes 6 ref.)

**1855** **1981**  
Development of the fish population in the Musov reservoir in the first year after filling. Lusk, S.  
Folia zoologica; v. 30, (3), p. 249-261. map. 1981. (Praha: Academia.)  
NAL Call No.: 410 Z792  
(24 ref.)

**1856** **1981**  
Developments in mass culture of brine shrimp (Artemia). Giddings, G.G.; Chanley, M.M.  
New York: Academic Press; 1981. p. 1021-1051. ill.  
NAL Call No.: S612.2.A38  
Literature review.  
(Bibliography p. 1049-1051.)

**1857** **1981**  
Eel culture in Italy. L'elicoltura nella realita italiana. ITALIAN. Avagnina, G.  
Informatore zootecnico; v. 27, (11), p. 38-39, 41. ill. June 15, 1981. (Bologna: Edagricole.)  
NAL Call No.: 49 IN3

**1858** **1981**  
Effect of stock density on growth and survival of rainbow trout (Salmo gairdneri Rich.) (in a cage culture located in power station cooling waters). Trzebiatowski, R.; Filipiak, J.; Jakubowski, R.



Aquaculture; v. 22, (3), p. 289-295. ill. Feb 1981.  
(Amsterdam: Elsevier Scientific Publishing.)  
NAL Call No.: SH1.A6  
(8 ref.)

**1859** **1981**  
**Evaluation of a closed recirculating system for the culture of Tilapia and aquatic macrophytes (Wastewater treatment processes).**  
Rakocy, J.E.; Allison, R.  
Proceedings of the Bio-Engineering Symposium for Fish Culture / edited by Lochie Jo Allen and Edward C. Kinney; p. 296-307. ill. 1981. (Bethesda, Md.: Fish Culture Section of the American Fisheries Society.)  
NAL Call No.: SH151.B54 1979  
(8 ref.)

**1860** **1981**  
**EVOLUTION OF THE DESIGN AND OPERATION OF A FRESHWATER WASTE HEAT AQUACULTURE FACILITY AT AN ELECTRIC GENERATING PLANT.**  
GODFRIAUX, B.L.; STOLPE, N.E.  
PROCEEDINGS OF THE BIO-ENGINEERING SYMPOSIUM FOR FISH CULTURE, TRAVERSE CITY, MICHIGAN, OCT.16-18, 1979, FCS OF AFS, 259-265.  
Aquaculture Data Base No.: 8944

**1861** **1981**  
**Experiences with a fouling-resistant modular marine fish cage system (Designs, economics, Maine).**  
Huguenin, J.E.; Fuller, S.C.; Ansuini, F.J.; Dodge, W.T.  
Proceedings of the Bio-Engineering Symposium for Fish Culture / edited by Lochie Jo Allen and Edward C. Kinney; p. 201-209. 1981. (Bethesda, Md.: Fish Culture Section of the American Fisheries Society.)  
NAL Call No.: SH151.B54 1979  
(8 ref.)

**1862** **1981**  
**Experimental eel culture in Emilia. Sperimentazione elicicola in Emilia. ITALIAN.**  
Fantuzzi, R.  
Informatore zootecnico; v. 27, (11), p. 42-43. ill. June 15, 1981. (Bologna: Edagricole.)  
NAL Call No.: 49 IN3

**1863** **1981**  
**EXPERIMENTAL EVALUATION OF NURSERY AND GROW-OUT METHODS FOR THE BAY SCALLOP, ARGOPECTEN IRRADIANS.**  
RHODES, E.W.; WIDMAN, J.C.; BOYD, P.  
INTERNATIONAL COUNCIL FOR THE EXPLORATION OF THE SEA, MARICULTURE COMMITTEE PAPER F:25, 1-15.  
Aquaculture Data Base No.: 9581

**1864** **1981**  
**Experimental sea ranching of brook trout, Salvelinus fontinalis Mitchill (Matamek River estuary, Canada).**  
Whoriskey, F.G.; Naiman, R.J.; Montgomery, W.L.  
Journal of fish biology; v. 19, (6), p. 637-651. ill., map. Dec 1981. (London: Academic Press.)  
NAL Call No.: QL614.J68  
(Bibliography p. 649-651.)

**1865** **1981**  
**Exploitation and management of the lagoons in Corsica (Fisheries and aquaculture). Exploitation et aménagement des lagunes de la Corse. FRENCH.**

Frisoni, G.F.  
Studies and reviews - Food and Agricultural Organization of the United Nations, General Fisheries Council for the Mediterranean; (58), p. 265-271. 1981. (Rome: The Council.)  
NAL Call No.: SH1.F65  
(Includes 3 ref.)

**1866** **1981**  
**Farm ponds flourish on Montana prairie (Trout Hatchery).**  
Klopfenstein, D.; Klopfenstein, I.  
Fish farming international; v. 8, (2), p. 18-19. ill. June 1981. (London: Arthur J. Heighway.)  
NAL Call No.: SH151.F5

**1867** **1981**  
**The farming of Atlantic salmon in floating sea pens.**  
Young, R.  
Nahrung aus dem Meer. = Food from the sea; p. 41-49. 1981. (New York: Springer-Verlag.)  
NAL Call No.: TX385.N3

**1868** **1981**  
**Fish & wildlife habitat management on the Shawnee National Forest-Illinois.**  
(S.I.): Illinois Dept. of Conservation; 1981. 8 p.: ill.; 27 cm.  
NAL Call No.: aSH328.I6F5  
Cover title Prepared in cooperation with Illinois Dept. of Conservation.

**1869** **1981**  
**Fish culture in Nepal.**  
Madeley, J.  
Food policy; v. 6, (3), p. 205-206. ill. Aug 1981. (Haywards Heath, Sussex: IPC Science and Technology Press.)  
NAL Call No.: HD9000.1.F66

**1870** **1981**  
**Fish culture: important alternative in fish production on the Atlantic coast of Costa Rica. La piscicultura: importante alternativa en la produccion de Pescado en la Costa Atlantica de Costa Rica. SPANISH.**  
Nanne E, H.  
Proceedings - Gulf and Caribbean Fisheries Institute; (33rd), p. 19-21. June 1981. (Miami, Florida: The Institute.)  
NAL Call No.: SH1.G8

**1871** **1981**  
**Fish farming in Japan: its state and future plan.**  
Farming Japan; v. 15, (2), p. 12-21. ill. 1981. (Tokyo: Norin Shijo Kenkyujo.)  
NAL Call No.: S3.F29

**1872** **1981**  
**Fish farms using hydropower offer energy independence; reduce costs.**  
McGuigan, D.  
Aquaculture magazine; v. 7, (6), p. 18-21. ill. Sept/Oct 1981. (Little Rock, Ark.: Briggs Associates, Inc.)  
NAL Call No.: SH1.C65

**1873** **1981**  
**FISH PENS OF LAGUNA DE BAY, PHILIPPINES.**  
PULLIN, R.S.V.

ICLARM NEWSLETTER 4 (4), 11-13.  
Aquaculture Data Base No.: 9344

THE PROGRESSIVE FISH-CULTURIST 43 (2), 97-99.  
Aquaculture Data Base No.: 9009

1874 1981  
**Fish production and farm dams (Zimbabwe).**  
Kenmuir, D.H.S.  
Zimbabwe agricultural journal; v. 78, (6), p. 209-214.  
Nov/Dec 1981. (Salisbury, Zimbabwe: Ministry of  
Agriculture.)  
NAL Call No.: 24 R34  
(4 ref.)

1882 1981  
**GROWING TROUT IN WASTE HEATED WATER  
APPEARS BOTH PRACTICAL, ECONOMICAL.**  
LAKS, R.; GODIFRIAUX, B.  
AQUACULTURE MAGAZINE 7 (5), 22-25.  
Aquaculture Data Base No.: 9153

1875 1981  
**Fisheries--an opportunity for Himachal Pradesh (India).**  
Kalia, H.R.  
Agricultural situation in India; v. 36, (5), p. 359-360.  
Aug 1981. (New Delhi, India: Controller of  
Publications.)  
NAL Call No.: 281.9 IN23

1883 1981  
**Growing trout in waste heated water appears both  
practical, economical (Cooling systems of utility boiler.**  
Laks, R.; Godfriaux, B.  
Aquaculture magazine; v. 7, (5), p. 22-25. ill. July/Aug  
1981. (Little Rock, Ark.: Briggs Associates, Inc.)  
NAL Call No.: SH1.C65

1876 1981  
**Florida polyculture operation cultures, markets prawns  
for livestock purposes.**  
Belleville, B.  
Aquaculture magazine; v. 7, (5), p. 4-5. ill. July/Aug  
1981. (Little Rock, Ark.: Briggs Associates, Inc.)  
NAL Call No.: SH1.C65

1884 1981  
**Growth of Pacific oysters, Crassostrea gigas Thunberg,  
cultivated in Tasmania. II. Subtidal culture (Culture  
techniques).**  
Sumner, C.E.  
Australian journal of marine and freshwater research; v.  
32, (3), p. 411-416. 1981. (East Melbourne:  
Commonwealth Scientific and Industrial Research  
Organization.)  
NAL Call No.: 442.8 AU73  
(Includes ref.)

1877 1981  
**Flow requirements of the oysters Ostrea edulis L. and  
Crassostrea gigas Thunb. in an upwelling column system  
of (nursery) culture.**  
Rodhouse, P.G.; O'Kelly, M.  
Aquaculture; v. 22, (1/2), p. 1-10. ill. Jan 1981.  
(Amsterdam: Elsevier Scientific Publishing.)  
NAL Call No.: SH1.A6  
(22 ref.)

1885 1981  
**Growth of pearl oyster Pinctada fucata in the pearl  
culture farm at Veppalodai.**  
Chellam, A.  
Indian journal of fisheries; v. 25, (1/2), p. 77-83. 1978  
(pub. 1981). (Cochin: Indian Council of Agricultural  
Research.)  
NAL Call No.: SH299.I5  
(Includes 10 ref.)

1878 1981  
**Freshwater prawn culture alongside Lake Kariba  
(Macrobrachium rosenbergii, Zimbabwe).**  
Kenmuir, D.  
Fish farming international; v. 8, (3), p. 8-9. ill. Sept  
1981. (London: Arthur J. Heighway.)  
NAL Call No.: SH151.F5

1886 1981  
**The harvest of microalgae from the effluent of a sewage  
fed high rate stabilization pond by Tilapia nilotica. 1.  
Description of the system and the study of the high rate  
pond.**  
Edwards, P.; Sinchumpasak, O.A.  
Aquaculture; v. 23, (1/4), p. 83-105. ill. Apr 1981.  
(Amsterdam: Elsevier Scientific Publishing.)  
NAL Call No.: SH1.A6  
(Bibliography p. 104-105.)

1879 1981  
**General problems in Atlantic salmon rearing in Sweden.**  
Johansson, N.  
Ecological bulletins; (34), p. 75-83. 1981. (Stockholm:  
Swedish Natural Science Research Council.)  
NAL Call No.: QH540.S7  
(Includes 2 p. ref.)

1887 1981  
**The harvest of microalgae from the effluent of a sewage  
fed high rate stabilization pond by Tilapia nilotica. 2.  
Studies of the fish ponds.**  
Edwards, P.; Sinchumpasak, O.A.; Tabucanon, M.  
Aquaculture; v. 23, (1/4), p. 107-147. ill. Apr 1981.  
(Amsterdam: Elsevier Scientific Publishing.)  
NAL Call No.: SH1.A6  
(25 ref.)

1880 1981  
**A greenhouse oyster hatchery in Ireland.**  
Wilson, J.  
Fish farming international; v. 8, (2), p. 20, 23. ill. June  
1981. (London: Arthur J. Heighway.)  
NAL Call No.: SH151.F5

1888 1981  
**The harvest of microalgae from the effluent of a sewage  
fed high rate stabilization pond by Tilapia nilotica. 3.  
Maize cultivation experiment, bacteriological studies,  
and economic assessment (Soil fertility).**  
Edwards, P.; Sinchumpasak, O.A.; Labhsetwar, V.K.;  
Tabucanon, M.

1881 1981  
**GROWING RED SWAMP CRAYFISH  
(PROCAMBARUS CLARKII) AND SEVERAL  
NORTH AMERICAN FISH SPECIES TOGETHER.**  
TUTEN, J.S.; AVAULT, J.W., JR.



PRODUCTION AND MANAGEMENT SYSTEMS

- Aquaculture; v. 23, (1/4), p. 149-170. ill. Apr 1981.  
(Amsterdam: Elsevier Scientific Publishing.)  
NAL Call No.: SH1.A6  
(17 ref.)
- 1889** **1981**  
**How to develop criteria for design and operation of fish facilities.**  
Jeppson, P.; Taylor, L.R.  
Proceedings of the Bio-Engineering Symposium for Fish Culture / edited by Lochie Jo Allen and Edward C. Kinney; p. 196-200. 1981. (Bethesda, Md.: Fish Culture Section of the American Fisheries Society.)  
NAL Call No.: SH151.B54 1979
- 1890** **1981**  
**ICELAND LOOKS TO ATLANTIC SALMON RANCHING - LAKE LON COULD BE AN IDEAL SMOLT RELEASE SITE.**  
HJUL, P.; JOHANNSSON, I.; JOHANNSSON, B.  
FISH FARMING INTERNATIONAL 8 (1), 8-10, 12-13.  
Aquaculture Data Base No.: 8819
- 1891** **1981**  
**ICI.**  
Beckett, T.W.  
Occasional publication - Fisheries Research Division; (30), p. 83-87. map. 1981. (Wellington: New Zealand Ministry of Agriculture and Fisheries.)  
NAL Call No.: SH318.5.A1N4
- 1892** **1981**  
**Influence of cage farming on the stocking rate in reservoir (for rainbow trout feeding). Vliv klecoveho chovu na rybi obsadku udolni nadrze. CZECH.**  
Vostradovska, M.; Vostradovsky, J.  
Zivocisna vyroba - Ceskoslovenska akademie zemedelska, Ustav vedeckotechnickych informaci pro zemedelstvi; v. 26, (11), p. 863-868. Nov 1981. (Praha: Ustav.)  
NAL Call No.: 49.9 C33  
(Includes 6 ref.)
- 1893** **1981**  
**Insurance for fish farmers.**  
Secretan, P.A.D.  
Fish farming international; v. 8, (3), p. 34. Sept 1981. (London: Arthur J. Heighway.)  
NAL Call No.: SH151.F5
- 1894** **1981**  
**Insurance for fish farmers.**  
Secretan, P.A.D.  
Fish farming international; v. 8, (2), p. 31. June 1981. (London: Arthur J. Heighway.)  
NAL Call No.: SH151.F5
- 1895** **1981**  
**INTEGRATION OF HATCHERY, CAGE, AND POND CULTURE OF COMMON CARP (CYPRINUS CARPIO L.) AND GRASS CARP (CTENOPHARYNGODON IDELLA VAL.) IN THE NETHERLANDS.**  
HUISING, E.A.  
PROCEEDINGS OF THE BIO-ENGINEERING SYMPOSIUM FOR FISH CULTURE, TRAVERSE CITY, MICHIGAN, OCT.16-18, FCS OF AFS, 266-273.  
Aquaculture Data Base No.: 8945
- 1896** **1981**  
**Integration of hatchery, cage, and pond culture of common carp (Cyprinus carpio L.) and grass carp (Ctenopharyngodon idella Val.) in The Netherlands.**  
Huisman, E.A.  
Proceedings of the Bio-Engineering Symposium for Fish Culture / edited by Lochie Jo Allen and Edward C. Kinney; p. 266-273. ill. 1981. (Bethesda, Md.: Fish Culture Section of the American Fisheries Society.)  
NAL Call No.: SH151.B54 1979  
(11 ref.)
- 1897** **1981**  
**Israeli advice helped Greek polyculture project (Marine and freshwater fish farming).**  
White, P.G.; Paiton, M.; Leventis, M.  
Fish farming international; v. 8, (2), p. 8-10, 11. ill., maps. June 1981. (London: Arthur J. Heighway.)  
NAL Call No.: SH151.F5
- 1898** **1981**  
**ISRAELIS TO TAKE SEAWATER TO DESERT FISH-FARMING PONDS.**  
HANCOCK, R.  
WORLD FISHING 30 (12), 7.  
Aquaculture Data Base No.: 9393
- 1899** **1981**  
**JIM KAHR'S ADVENTURESOME SPIRIT REFLECTED IN AQUACULTURE CAREER.**  
LYNCH, T.  
AQUACULTURE MAGAZINE 7 (4), 20-26.  
Aquaculture Data Base No.: 8870
- 1900** **1981**  
**Keeping hatchery design simple (Trout culture).**  
Quinata, I.C.  
Proceedings of the Bio-Engineering Symposium for Fish Culture / edited by Lochie Jo Allen and Edward C. Kinney; p. 149-155. ill. 1981. (Bethesda, Md.: Fish Culture Section of the American Fisheries Society.)  
NAL Call No.: SH151.B54 1979  
(3 ref.)
- 1901** **1981**  
**Learning from sturgeon on the Columbia river (Fish hatcheries, Washington).**  
Klopfenstein, D.; Klopfenstein, I.  
Fish farming international; v. 8, (3), p. 11-12. ill. Sept 1981. (London: Arthur J. Heighway.)  
NAL Call No.: SH151.F5
- 1902** **1981**  
**Liming fish (carp) ponds reduces gill rot (Use of equipment). Teichkalkung verhindert Kiemenfaule. GERMAN.**  
Schmidt, M.  
DLZ; v. 32, (4), p. 474-475. ill. Apr 1981. (Munchen: BLV Verlagsgesellschaft.)  
NAL Call No.: 58.8 T677
- 1903** **1981**  
**Long Island shellfish farmers examine energy use with eye to reducing costs.**  
Willson, S.D.

Aquaculture magazine; v. 8, (1), p. 24-28. ill. Nov/Dec 1981. (Little Rock, Ark.: Briggs Associates, Inc.)  
NAL Call No.: SH1.C65

Fish farming international; v. 8, (3), p. 20, 22. ill. Sept 1981. (London: Arthur J. Heighway.)  
NAL Call No.: SH151.F5

**1904** **1981**  
Management and cost implications in recirculating water systems (Fish culture).  
Muir, J.F.  
Proceedings of the Bio-Engineering Symposium for Fish Culture / edited by Lochie Jo Allen and Edward C. Kinney; p. 116-127. ill. 1981. (Bethesda, Md.: Fish Culture Section of the American Fisheries Society.)  
NAL Call No.: SH151.B54 1979  
(2 p. ref.)

**1911** **1981**  
Marine fin-fish culture in Japan. Aspetti della maricoltura in Giappone con particolare riferimento alla piscicoltura marina. ITALIAN.  
Giovanardi, O.  
Rivista italiana di piscicoltura e ittopatologia = Italian review of fish culture and ichthyologic pathology; v. 16, (3), p. 70-72, 75-76. ill. July/Sept 1981. (Treviso: Associazione piscicoltori italiana.)  
NAL Call No.: SH1.R5  
(19 ref.)

**1905** **1981**  
Management of forage fishes in impoundments of the southern United States.  
Noble, R.L.  
Lawrence, Kan.: The Society; Nov 1981. p. 738-750.  
NAL Call No.: 414.9 AM3  
Literature review.  
(Bibliography p. 747-750.)

**1912** **1981**  
Maryland researchers working on program to give area oyster farming future.  
Lewis, J.F.  
Aquaculture magazine; v. 7, (5), p. 32, 34-35. ill. July/Aug 1981. (Little Rock, Ark.: Briggs Associates, Inc.)  
NAL Call No.: SH1.C65

**1906** **1981**  
Management of juvenile spiny lobster (*Panulirus argus*) based on estimated biological parameters from Grand Bahama Island, Bahamas.  
Waugh, G.T.  
Proceedings - Gulf and Caribbean Fisheries Institute; (33rd), p. 271-289. ill., map. June 1981. (Miami, Florida: The Institute.)  
NAL Call No.: SH1.G8  
(Bibliography p. 287-289.)

**1913** **1981**  
MASSIVE AVAILABILITY OF POSTLARVAL SHRIMP (*PENAEUS VANNAMEI*) FOR AQUACULTURE, AT BALUARTE RIVER, MEXICO. CABRERA-J., J.A.; MENDOZA-R., M.; VALENCIA-R., G.J.; CASTILLO-D., R.M.  
UNPUBLISHED PAPER PRESENTED WORLD CONFERENCE ON AQUACULTURE, EUROPEAN MARICULTURE SOCIETY - WORLD MARICULTURE SOCIETY, VENICE, ITALY, 21-25 SEPT. 1981, 23 PP.  
Aquaculture Data Base No.: 9327

**1907** **1981**  
Management of spiny lobsters (*Panulirus argus*) in the Caribbean Fishery Conservation Zone of the United States.  
Vega-Morera, H.; Dammann, A.E.  
Proceedings - Gulf and Caribbean Fisheries Institute; (33rd), p. 181-183. June 1981. (Miami, Florida: The Institute.)  
NAL Call No.: SH1.G8

**1914** **1981**  
Mediterranean marine fish (Farming).  
Glude, J.B.  
Fish farming international; v. 8, (3), p. 14-15, 17, 19. ill. Sept 1981. (London: Arthur J. Heighway.)  
NAL Call No.: SH151.F5  
(4 ref.)

**1908** **1981**  
Management of sportfishing ponds.  
Lewis, G.W.  
Bulletin - Georgia University, Cooperative Extension Service; (732), 24 p. ill. Jan 1981. (Athens, Ga.: The Service.)  
NAL Call No.: 275.29 G29B  
(4 ref.)

**1915** **1981**  
Mexico develops sea urchin fishery.  
Marine fisheries review; v. 43, (6), p. 33-34. map. June 1981. (Washington, D.C.: Scientific Publications Office, National Marine Fisheries Service.)  
NAL Call No.: 157.5 F532

**1909** **1981**  
Managing ponds for fish and wildlife (Stocking recommendations, habitat, management).  
Gabelhouse, D.; Henderson, F.R.; Powell, G.M.  
L - Kansas State University, Cooperative Extension Service; (563), 6 p. ill. Mar 1981. (Manhattan, Kan.: The Service.)  
NAL Call No.: 275.29 K13LE

**1916** **1981**  
MICROALGAE.  
LAUZON, S.  
WOODS HOLE NOTES 13 (2), 1-3.  
Aquaculture Data Base No.: 9431

**1910** **1981**  
Marine farming in China (Prawn, scallop, mullet, halibut).  
Thain, B.

**1917** **1981**  
A microcomputer program for catfish production management decisions.  
Fouche, L.; Killcreas, W.E.; Waldrop, J.E.  
AEC technical publication - Mississippi Agricultural and Forestry Experiment Station; (26), 45 p. July 1981. (Mississippi State: The Station.)  
(5 ref.)

**1918** **1981**  
Mollusc culture: legal, social, economic aspects and policies for the protection of oceans and the consumer.



**Molluschicoltura: aspetti giuridici, sociali, economici e politici connessi alla tutela dell'ambiente marino e del consumatore. ITALIAN.**

Bertuccelli, M.

Acqua aria; (7), p. 761-764. Sept 1981. (Milano: Arti poligrafiche europee.)

NAL Call No.: TD169.A35

1919 1981

**The mullet--a world-wide farm fish (*Mugil cephalus*).**

Noel, S.

Fish farming international; v. 8, (3), p. 45-46. ill., map. Sept 1981. (London: Arthur J. Heighway.)

NAL Call No.: SH151.F5

1920 1981

**Mussel possibilities in human nutrition (Culture of different sea and fresh water species).**

Varela, G.

Nahrung aus dem Meer. = Food from the sea; p. 60-76. ill., map. 1981. (New York: Springer-Verlag.)

NAL Call No.: TX385.N3

(32 ref.)

1921 1981

**National Culture Fishery Research Institute (of the Ministry of Agriculture, Forestry and Fisheries, Japan).**

Farming Japan; v. 15, (2), p. 27-34. ill., map. 1981.

(Tokyo: Norin Shijo Kenkyujo.)

NAL Call No.: S3.F29

1922 1981

**A new method for reporting and interpreting textural composition of spawning gravel (Sediment sampling, stream habitat management, indexes, salmonids, fish habitat).**

Lotspeich, F.B.; Everest, F.H.

PNW research note - United States Dept of Agriculture, Forest Service, Pacific Northwest Forest and Range Experiment Station; (369), 11 p. ill. Jan 1981. (Portland, Or.: The Station.)

NAL Call No.: A99.9 F7625U

(10 ref.)

1923 1981

**Norway sees the latest in farm technology (Fish farming).**

Purves, M.

Fish farming international; v. 8, (4), p. 10-11. ill. Dec 1981. (London: Arthur J. Heighway.)

NAL Call No.: SH151.F5

1924 1981

**Note on experiments in artificial reefs in Italy (Fishery production).**

Bombace, G.

Studies and reviews - Food and Agricultural Organization of the United Nations, General Fisheries Council for the Mediterranean; (58), p. 309-324. ill. 1981. (Rome: The Council.)

NAL Call No.: SH1.F65

(Includes 2 p. ref.)

1925 1981

**Observations on *Quintana atrizona* (Poeciliidae) from Cuba, reared in aquaria (Ornamental fish).**

Barus, V.; Libosvsky, J.; Guerra Padron, F.

Folia zoologica; v. 30, (3), p. 203-214. ill. 1981. (Praha: Academia.)

NAL Call No.: 410 Z792

(20 ref.)

1926 1981

**Observations on the fisheries of mullet and scope for its culture in Gulf of Kutch (*Mugil seheli*).**

Chhaya, N.D.; Buch, A.U.; Narayanan, K.R.

Indian journal of fisheries; v. 26, (1/2), p. 47-51. ill. 1979 (pub. 1981). (Cochin: Indian Council of Agricultural Research.)

NAL Call No.: SH299.I5

(Includes 8 ref.)

1927 1981

**On the trial production and use of fish counting system of salmon entering the Moheji River (Japan).**

JAPANESE.

Sano, N.; Mikami, T.; Akiba, Y.; Anma, G.

Hokkaido Daigaku Suisangaku-bu kenkyu iho. = Bulletin of the Faculty of Fisheries, Hokkaido University; v. 32, (4), p. 388-399. ill., maps. Nov 1981. (Hakodate, Japan: The Faculty.)

NAL Call No.: 414.9 H682

(3 ref.)

1928 1981

**Optimum size limits for trout fisheries (Stock assessment models, sport fisheries).**

Jensen, A.L.

Canadian journal of fisheries and aquatic sciences. = Journal canadien des sciences halieutiques et aquatiques; v. 38, (6), p. 657-661. ill. June 1981. (Ottawa: Govt. of Canada, Fisheries and Oceans.)

NAL Call No.: 442.9 C16J

(9 ref.)

1929 1981

**An overview of the catfish farming industry in Mississippi (Includes processing).**

Miller, J.S.; Heindl, F.; Dixon, D.A. Jr.; Conner, J.R.; Waldrop, J.E. Jr.

Journal of NAL Associates; v. 6, (1/4), p. 20-24. ill., map. Jan/Dec 1981. (Beltsville, Md.: Associates of the National Agricultural Library, Inc.)

NAL Call No.: Z733.N3A72

(9 ref.)

1930 1981

**Oyster culture in Humboldt Bay, Ca.**

Shaw, W.

Aquaculture magazine; v. 7, (4), p. 42-43. May/June 1981. (Little Rock, Ark.: Briggs Associates, Inc.)

NAL Call No.: SH1.C65

1931 1981

**Oyster culture in Maryland, 1980 : a proceedings.**

Webster, Don.

(College Park, Md.) (1224 H.J. Patterson Hall, University of Maryland, College Park 20742): Marine Advisory Program, Maryland Sea Grant Program, University of Maryland, College Park; (1981). viii, 135 p.: ill.; 22 cm.

NAL Call No.: SH365.M3094

"Publication number UM-SG-MAP-81-01. Proceedings of the Second Annual Maryland Oyster Culture Conference, held in Annapolis, Md., Jan. 8, 1980.

1932 1981

**Oyster mariculture in subboreal (Maine, United States of America) waters: cultchless setting and nursery culture of European and American oysters.**

Hidu, H.; Chapman, S.R.; Dean, D.  
Journal of shellfish research; v. 1, (1), p. 57-67. ill. June 1981. (Duxbury, Mass.: Battelle.)  
NAL Call No.: SH365.A1J6  
(Includes 1 p. ref.)

1933 1981  
The paddlefish (*Polyodon spathula*) fisheries of the Midwestern United States (in Iowa, Kansas, Missouri, Montana, Nebraska, South Dakota, and North Dakota). Carlson, D.M.; Bonislawsky, P.S.  
Fisheries; v. 6, (2), p. 17-22, 26-27. ill., map. Mar/Apr 1981. (Bethesda, Md.: American Fisheries Society.)  
NAL Call No.: SH1.F54  
(Bibliography p. 26-27.)

1934 1981  
Panel discussion: problems of salmon management in New Zealand. O'Connor, D.P.; McDowall, R.M.; Cunningham, B.T.; Anderson, C.R.; Lightfoot, R.; Wisker, J.D.  
Occasional publication - Fisheries Research Division; (30), p. 94-98. 1981. (Wellington: New Zealand Ministry of Agriculture and Fisheries.)  
NAL Call No.: SH318.5.A1N4

1935 1981  
Penaeid shrimp culture in tropical developing countries. Pedini, M.  
FAO fisheries circular; (732), 14 p. Mar 1981. (Rome: Food and Agriculture Organization of the United Nations.)  
NAL Call No.: SH1.F59  
(35 ref.)

1936 1981  
PENNSYLVANIA POWER COMPANY TESTS CATFISH VENTURE IN HEATED EFFLUENT. SENSENIG, K.L.  
AQUACULTURE MAGAZINE 7 (6), 6,10-11.  
Aquaculture Data Base No.: 9329

1937 1981  
Performance ratings for submerged nitrification biofilters development of a design calculation procedure (Fish hatcheries). Hess, W.J.  
Proceedings of the Bio-Engineering Symposium for Fish Culture / edited by Lochie Jo Allen and Edward C. Kinney; p. 63-70. 1981. (Bethesda, Md.: Fish Culture Section of the American Fisheries Society.)  
NAL Call No.: SH151.B54 1979  
(5 ref.)

1938 1981  
A perspective on the Salmonid Enhancement Program in British Columbia. Lill, A.F.; Eng, P.  
Proceedings of the Bio-Engineering Symposium for Fish Culture / edited by Lochie Jo Allen and Edward C. Kinney; p. 274-281. ill., map. 1981. (Bethesda, Md.: Fish Culture Section of the American Fisheries Society.)  
NAL Call No.: SH151.B54 1979  
(14 ref.)

1939 1981  
A philosophy of trout stream management in New York (as recreational fish). Engstrom-Heg, R.

Fisheries; v. 6, (3), p. 11-16. ill. May/June 1981. (Bethesda, Md.: American Fisheries Society.)  
NAL Call No.: SH1.F54  
(5 ref.)

1940 1981  
Pink salmon (*Oncorhynchus gorbuscha*) in the Great Lakes (Spawning behavior, fish size, number in rivers, feeding habits, and experimental management). Kwain, W.H.; Lawrie, A.H.  
Fisheries; v. 6, (2), p. 2-6. ill., maps. Mar/Apr 1981. (Bethesda, Md.: American Fisheries Society.)  
NAL Call No.: SH1.F54  
(15 ref.)

1941 1981  
POLY CULTURE OF THE FRESHWATER PRAWN, MACROBRACHIUM ROSENBERGII, CHINESE AND COMMON CARPS IN PONDS ENRICHED WITH SWINE MANURE. I. INITIAL TRIALS. MALECHA, S.R.; BUCK, D.H.; BAUR, R.J.; ONIZUKA, D.R.  
AQUACULTURE 25 (2,3), 101-116.  
Aquaculture Data Base No.: 9538

1942 1981  
THE POND - AFTER THE SAGA. PINKS, R.  
THE AQUARIST AND PONDKEEPER 46 (6), 48-49.  
Aquaculture Data Base No.: 9572

1943 1981  
Ponds with full stock of fish (Organization, technical and economic improvements). Stawy pelne ryb. POLISH.  
Zuber, S.  
Wiadomosci melioracyjne i lakarskie; v. 24, (12), p. 351-354. Dec 1981. (Warszawa: SIGMA.)  
NAL Call No.: 54.8 W63

1944 1981  
Prawn culture opens new vistas in Indian coastal areas. Mazumdar, T.C.  
Farmer and parliament; v. 16, (11), p. 23-24 (continued). Nov 1981. (New Delhi: S.N. Bhalla.)  
NAL Call No.: S19.F37

1945 1981  
PRAWN FARMING IN HAWAII. BOTELHO, R.  
PROCEEDINGS OF THE SIXTH ANNUAL STUDENT SYMPOSIUM ON MARINE AFFAIRS, UNIHI-SEAGRANT-MR-81-08, 63-67.  
Aquaculture Data Base No.: 8995

1946 1981  
Preliminary results and design criteria from an on-line zeolite ammonia removal filter in a semi-closed recirculating system (Salmon-rearing facility at The Seattle Aquarium). Bruin, W.; Nightingale, J.W.; Mumaw, L.; Leonard, D.  
Proceedings of the Bio-Engineering Symposium for Fish Culture / edited by Lochie Jo Allen and Edward C. Kinney; p. 92-96. ill. 1981. (Bethesda, Md.: Fish Culture Section of the American Fisheries Society.)  
NAL Call No.: SH151.B54 1979  
(6 ref.)

1947 1981  
Preliminary study of the management for extensive fish farming of the coastal lagoon of la Sarrazine at Palavas



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(France). *Etude preliminaire de l'amenagement a des fins d'exploitation extensive d'une lagune saumatre littorale, la lagune de La Sarrazine a Palavas (Herault, France).* FRENCH.

Amanieu, M.; Lasserre, G.; Monti, D.; Purwanto, J.; Guelorget, O.

Studies and reviews - Food and Agricultural Organization of the United Nations, General Fisheries Council for the Mediterranean; (58), p. 241-256. ill. 1981. (Rome: The Council.)

NAL Call No.: SH1.F65

(Includes 5 ref.)

1948 1981

*Present situation and prospects of aquaculture in Italy (Fisheries, production, management). Stato attuale e prospettive dell'acquacoltura in Italia.* ITALIAN. Giacomelli, L.

Informatore zootecnico; v. 28, (24), p. 44-47, 98-101. ill. Dec 31, 1981. (Bologna: Edagricole.)

NAL Call No.: 49 IN3

1949 1981

*Primary production in intensive fish ponds and a complete organic carbon balance in the ponds (Stocked with common carp (Cyprinus carpio) or Tilapia hybrids in monoculture, in Israel).*

Zur, O.

Aquaculture; v. 23, (1/4), p. 197-210. ill. Apr 1981. (Amsterdam: Elsevier Scientific Publishing.)

NAL Call No.: SH1.A6

(Bibliography p. 209-210.)

1950 1981

*Proceedings of the Bio-Engineering Symposium for Fish Culture.*

Allen, Lochie Jo.; Kinney, Edward C. Bethesda, Md. (5410 Grosvenor Lane, Bethesda 20014): Fish Culture Section of the American Fisheries Society; (s.l.) - Northeast Society of Conservation Engineers - c1981. x, 307 p.: ill., maps; 26 cm.

NAL Call No.: SH151.B54 1979

Sponsored by the Fish Culture Section of the American Fisheries Society and others.

(Includes bibliographies.)

1951 1981

*Proceedings of the salmon symposium.*

Hopkins, C. L.

Wellington: New Zealand Ministry of Agriculture and Fisheries; 1981. 97 p.: ill., maps; 28 cm.

NAL Call No.: SH318.5.A1N4 no. 30

Symposium was held in Christchurch in Aug. 1980.

(New Zealand. Ministry of Agriculture and Fisheries.

Fisheries Research Division. Occasional publication, 0110-1765 ; no. 30)

(Includes bibliographies.)

1952 1981

*Production functions for the Maryland oyster fishery.*

Cabraal, R.A.; Wheaton, F.W.

Transactions of the ASAE - American Society of Agricultural Engineers; v. 24, (1), p. 248-251, 254. map. Jan/Feb 1981. (St. Joseph, Mich.: The Society.)

NAL Call No.: 290.9 AM32T

(19 ref.)

1953 1981

*The production of soft shelled crabs in heated effluent (Callinectes sapidus, discharge, generating station).*

Biever, R.; Strawn, K.

Aquaculture magazine; v. 7, (5), p. 44. July/Aug 1981. (Little Rock, Ark.: Briggs Associates, Inc.)

NAL Call No.: SH1.C65

(3 ref.)

1954 1981

*Productive development of lagoonal zones: available technologies and operational strategy (Fishing, fish forms).*

Ravagnan, G.

Studies and reviews - Food and Agricultural Organization of the United Nations, General Fisheries Council for the Mediterranean; (58), p. 173-239. ill., map. 1981. (Rome: The Council.)

NAL Call No.: SH1.F65

(Includes 5 p. ref.)

1955 1981

*Promotion of culture fishery in Syria: state of and problems in fish farming.*

Ohashi, M.

Farming Japan; v. 15, (1), p. 56-62. ill. 1981. (Tokyo: Norin Shijo Kenkyujo.)

NAL Call No.: S3.F29

1956 1981

*Proposed fishery management of spiny lobster (Panulirus argus) for the southeastern United States.*

Davis, J.C.

Proceedings - Gulf and Caribbean Fisheries Institute; (33rd), p. 201-206. ill. June 1981. (Miami, Florida: The Institute.)

NAL Call No.: SH1.G8

(4 ref.)

1957 1981

*Prospects for penaeid shrimp culture in arid lands.*

Farmer, A.S.D.

New York: Academic Press; 1981. p. 859-897. ill., maps.

NAL Call No.: S612.2.A38

Literature review.

(Bibliography p. 894-897.)

1958 1981

*Quinnat salmon management in the Southern Lakes Conservancy.*

Hutchinson, R.T.

Occasional publication - Fisheries Research Division; (30), p. 49-54. ill. 1981. (Wellington: New Zealand Ministry of Agriculture and Fisheries.)

NAL Call No.: SH318.5.A1N4

1959 1981

*The rearing of larval fish.*

Blaxter, J.H.S.

Aquarium systems / edited by A.D. Hawkins; p. 303-323. ill. 1981. (London: New York :)

NAL Call No.: SF457.A67

(14 ref.)

1960 1981

*The rearing of salmonids in the ocean (Trout, salmon, Salmo gairdneri, Onocorhynchus kisutch). L'elevage des Salmonides en milieu marin.* FRENCH.

Harache, Y.; Boeuf, G.

Informations techniques de services veterinaires; (76/79), p. 53-68. ill. 1981. (Paris: Direction des services veterinaires.)  
 NAL Call No.: 41.9 F843I  
 (Includes 2 p. ref.)

1961 1981  
**Recent advances in evaluating biofilter performance (Raising fish in recycled water systems).**  
 Klontz, G.W.  
 Proceedings of the Bio-Engineering Symposium for Fish Culture / edited by Lochie Jo Allen and Edward C. Kinney; p. 90-91. 1981. (Bethesda, Md.: Fish Culture Section of the American Fisheries Society.)  
 NAL Call No.: SH151.B54 1979

1962 1981  
**Recent advances in hard clam mariculture (Mercenaria mercenaria).**  
 McHugh, J.L.  
 Journal of shellfish research; v. 1, (1), p. 51-55. ill. June 1981. (Duxbury, Mass.: Battelle.)  
 NAL Call No.: SH365.A1J6  
 (Includes 11 ref.)

1963 1981  
**Record number of chum salmon return to OSU's (Oregon State University) Whiskey Creek Hatchery.**  
 Bottom, J.  
 Aquaculture magazine; v. 7, (3), p. 10-12. ill. Mar/Apr 1981. (Little Rock, Ark.: Briggs Associates, Inc.)  
 NAL Call No.: SH1.C65

1964 1981  
**Recreational fisheries analysis: management modes and benefit implications.**  
 Copes, P.; Knetsch, J.L.  
 Canadian journal of fisheries and aquatic sciences. = Journal canadien des sciences halieutiques et aquatiques; v. 38, (5), p. 559-570. ill. May 1981. (Ottawa: Govt. of Canada, Fisheries and Oceans.)  
 NAL Call No.: 442.9 C16J  
 (30 ref.)

1965 1981  
**Relationships of trout behavior and management: hatchery production and construction.**  
 Butler, R.L.  
 Proceedings of the Bio-Engineering Symposium for Fish Culture / edited by Lochie Jo Allen and Edward C. Kinney; p. 29-33. 1981. (Bethesda, Md.: Fish Culture Section of the American Fisheries Society.)  
 NAL Call No.: SH151.B54 1979  
 (2 p. ref.)

1966 1981  
**The remarkable elver (Fry of eels, food, England).**  
 Harper, W.  
 Country life; v. 169, (4365), p. 1048-1045. ill. Apr 16, 1981. (London: IPC Magazines.)  
 NAL Call No.: 80 C83

1967 1981  
**Returning salmon swamp Japanese hatcheries.**  
 Joyner, T.

Fish farming international; v. 8, (4), p. 13-14. ill. Dec 1981. (London: Arthur J. Heighway.)  
 NAL Call No.: SH151.F5

1968 1981  
**Returns of a (fishery) pond (State farms in the Ukrainian SSR). UKRAINIAN.**  
 Petrenko, I.S.; Sherman, I.M.  
 Tvarynyntstvo Ukrainy; (2), p. 51-52. Feb 1981. (Kyiv: "Urozhai".)  
 NAL Call No.: 49 SO712

1969 1981  
**A review of Atlantic salmon in New Zealand, with notes on current status and management (Salmo salar).**  
 Gibbs, E.J.  
 Occasional publication - Fisheries Research Division; (30), p. 55-64. ill., map. 1981. (Wellington: New Zealand Ministry of Agriculture and Fisheries.)  
 NAL Call No.: SH318.5.A1N4  
 (Includes 2 p. ref.)

1970 1981  
**Rodale--developing and refining systems for small scale aquaculture (Fish culture research).**  
 McGuigan, D.  
 Aquaculture magazine; v. 8, (1), p. 30-32. ill. Nov/Dec 1981. (Little Rock, Ark.: Briggs Associates, Inc.)  
 NAL Call No.: SH1.C65

1971 1981  
**The role of energy conservation and renewable energy in agriculture, horticulture and fish culture.**  
 Maw, R.  
 Energy conservation and use of renewable energies in the bio-industries : proceedings of the International Seminar on Energy Conservation and the Use of Solar and other Renewable Energies in Agriculture, Horticulture, and Fishculture, held at the Polytechnic of Central London, 15-19 September 1980. International Seminar on Energy Conservation and the Use of Solar and other Renewable Energies in Agriculture, Horticulture, and Fishculture (1980 : Polytechnic of Central London); p. 379-380. 1981. (Oxford: Pergamon Press.)  
 NAL Call No.: TJ810.I49 1980

1972 1981  
**Salmon (Oncorhynchus nerka) stock identification using a microanalytic technique to measure (chemical) elements present in the freshwater growth region of scales.**  
 Lapi, L.A.; Mulligan, T.J.  
 Canadian journal of fisheries and aquatic sciences. = Journal canadien des sciences halieutiques et aquatiques; v. 38, (7), p. 744-751. ill. July 1981. (Ottawa: Govt. of Canada, Fisheries and Oceans.)  
 NAL Call No.: 442.9 C16J  
 (10 ref.)

1973 1981  
**Salmon revival in Lake Ontario (Oncorhynchus gorbuscha).**  
 Stanley, J.  
 Canadian geographic; v. 101, (4), p. 46-50. ill. Aug/Sept 1981. (Ottawa: Royal Canadian Geographical Society.)  
 NAL Call No.: 470 C162

1974 1981  
**Salmon tagging at Naturaliste Reef (Australia).**  
 Walker, M.H.



F.I.N.S. Western Australia. Dept. of Fisheries and Fauna; v. 14, (3), p. 12-14. ill., map. Sept 1981. (Perth: Extension and Publicity Service, Dept. of Fisheries and Wildlife.)  
NAL Call No.: SH317.A1W42

1975 1981  
Salt pans and their possible use for aquaculture (Fish, Portugal). Les salines et leur usage eventuel pour l'aquaculture. FRENCH.  
Barahona-Fernandes, M.H.  
Studies and reviews - Food and Agricultural Organization of the United Nations, General Fisheries Council for the Mediterranean; (58), p. 257-264. 1981. (Rome: The Council.)  
NAL Call No.: SH1.F65  
(Includes 8 ref.)

1976 1981  
SEA FARMERS PLAN MOVE INTO THE DESERT.  
KROSNEY, M.S.  
FISHING NEWS INTERNATIONAL 20 (9), 72-73.  
Aquaculture Data Base No.: 9626

1977 1981  
Short-term rearing of pink salmon (*Oncorhynchus gorbusha*) Fry: effect on survival and biomass of returning adults (Baranof Island, Alaska).  
Martin, R.M.; Heard, W.R.; Wertheimer, A.C.  
Canadian journal of fisheries and aquatic sciences. = Journal canadien des sciences halieutiques et aquatiques; v. 38, (5), p. 554-558. ill., map. May 1981. (Ottawa: Govt. of Canada, Fisheries and Oceans.)  
NAL Call No.: 442.9 C16J  
(17 ref.)

1978 1981  
Soil conservation and fish farming on the Monaro.  
Rhodes, K.W.; Unwin, G.L.  
Journal of the Soil Conservation Service of New South Wales; v. 37, (4), p. 201-206. ill. Oct 1981. (Sydney: The Service.)  
NAL Call No.: 56.9 N472

1979 1981  
Solar aquaculture at the Prince Edward Island Ark, Canada (Salmon farming).  
MacKay, K.T.; Van Toever, W.  
Energy conservation and use of renewable energies in the bio-industries : proceedings of the International Seminar on Energy Conservation and the Use of Solar and other Renewable Energies in Agriculture, Horticulture, and Fishculture, held at the Polytechnic of Central London, 15-19 September 1980. International Seminar on Energy Conservation and the Use of Solar and other Renewable Energies in Agriculture, Horticulture, and Fishculture (1980 : Polytechnic of Central London); p. 371-377. 1981. (Oxford: Pergamon Press.)  
NAL Call No.: TJ810.I49 1980  
(Bibliography p. 376-377.)

1980 1981  
SOLAR AQUACULTURE. A VISION OF A DREAM.  
TERCEIRA, A.C.  
FRESHWATER AND MARINE AQUARIUM 4 (4), 14-17, 85-87.  
Aquaculture Data Base No.: 8704

1981 1981  
Solar aquaculture: an ecological approach to human food production (Solar-algae ponds, fish production).

Zweig, R.D.; Wolfe, J.R.; Todd, J.H.; Engstrom, D.G.; Doolittle, A.M.  
Proceedings of the Bio-Engineering Symposium for Fish Culture / edited by Lochie Jo Allen and Edward C. Kinney; p. 210-226. ill. 1981. (Bethesda, Md.: Fish Culture Section of the American Fisheries Society.)  
NAL Call No.: SH151.B54 1979  
(2 p. ref.)

1982 1981  
SPACE REQUIREMENT AND ENERGY COST IN SOME TYPES OF BIVALVE NURSERIES.  
LUCAS, A.; GERARD, A.  
EUROPEAN MARICULTURE SOCIETY SPECIAL PUBLICATION NO.7, PROCEEDINGS OF THE INTERNATIONAL WORKSHOP ON NURSERY CULTURING OF BIVALVE MOLLUSCS, GHENT, BELGIUM, 24-26 FEB., 1981, 151-170.  
Aquaculture Data Base No.: 9439

1983 1981  
Spiny lobster management: ways to make it work.  
Chitty, N.  
Proceedings - Gulf and Caribbean Fisheries Institute; (33rd), p. 178-180. June 1981. (Miami, Florida: The Institute.)  
NAL Call No.: SH1.G8

1984 1981  
Sri Lanka begins a big boost in pond farms (Fisheries).  
Wijesekera, N.  
Fish farming international; v. 8, (2), p. 38-39. ill. June 1981. (London: Arthur J. Heighway.)  
NAL Call No.: SH151.F5

1985 1981  
Status and management of the coast cutthroat trout (*Salmo clarki clarki*) in California.  
Gerstung, E.R.  
Cal-Neva wildlife; p. 25-32. map. 1981. (Reno: Wildlife Society, Western Section, and American Fisheries Society, California-Nevada Chapter.)  
NAL Call No.: SK351.W523  
(Includes 20 ref.)

1986 1981  
Summary and importance of the GCFI (Gulf and Caribbean Fisheries Institute) sessions on spiny lobster (*Panulirus argus*).  
Idyll, C.P.  
Proceedings - Gulf and Caribbean Fisheries Institute; (33rd), p. 322-335. June 1981. (Miami, Florida: The Institute.)  
NAL Call No.: SH1.G8

1987 1981  
SUMMARY OF SHRIMP MARICULTURE PRODUCTION DATA AT TEXAS A&M UNIVERSITY, 1969-1978.  
JOHNS, M.A.; HOLCOMB, H.W., JR.; HUTCHING, D.L.; GRIFFIN, W.L.  
TEXAS A&M UNIVERSITY, SEA GRANT COLLEGE PROGRAM, TAMU-SG-81-603, 1-130.  
Aquaculture Data Base No.: 8994

1988 1981  
Suspended culture of oysters (*Ostrea edulis*, *Crassostrea virginica*): biological fouling control (in Maine).  
Hidu, H.; Conary, C.; Chapman, S.R.

Aquaculture; v. 22, (1/2), p. 189-192. ill. Jan 1981.  
(Amsterdam: Elsevier Scientific Publishing.)  
NAL Call No.: SH1.A6  
(1 ref.)

1989 1981  
TAIWAN FARMERS GO DEEP FOR MILKFISH.  
CHEN, T.P.  
FISH FARMING INTERNATIONAL 8 (2), 12, 14.  
Aquaculture Data Base No.: 9219

1990 1981  
TFDA (Tasmanian Fisheries Development Authority)  
experimental abalone (*Haliotis ruber*) hatchery making  
progress.  
Sumner, C.; Grant, J.  
Australian fisheries; v. 40, (6), p. 14-15. June 1981.  
(Canberra, Aust.: Fisheries Branch, Dept. of Primary  
Industry.)  
NAL Call No.: SH317.A8

1991 1981  
The transition and scale-up of research results to  
commercial marine aquaculture systems.  
Huguenin, J.E.; Webber, H.H.  
Proceedings of the Bio-Engineering Symposium for Fish  
Culture / edited by Lochie Jo Allen and Edward C.  
Kinney; p. 240-248. 1981. (Bethesda, Md.: Fish Culture  
Section of the American Fisheries Society.)  
NAL Call No.: SH151.B54 1979  
(11 ref.)

1992 1981  
A trout farm on the fringe of London.  
Melhuish, M.  
Fish farming international; v. 8, (2), p. 17. June 1981.  
(London: Arthur J. Heighway.)  
NAL Call No.: SH151.F5

1993 1981  
Trout farming in Washington.  
Harbell, S.C.; Carkner, R.  
Extension bulletin - Washington State University,  
Cooperative Extension Service; (EB756), 19 p. Mar 1981.  
(Pullman, Wash.: The Service.)  
(9 ref.)

1994 1981  
U.S./ISRAELI EFFORT IN MACROBRACHIUM  
PRODUCTION YIELDS DIVIDENDS FOR BOTH.  
LYNCH, T.  
AQUACULTURE MAGAZINE 7 (6), 4-5.  
Aquaculture Data Base No.: 9328

1995 1981  
U.S.  
Lynch, T.  
Aquaculture magazine; v. 7, (6), p. 4-5. ill. Sept/Oct  
1981. (Little Rock, Ark.: Briggs Associates, Inc.)  
NAL Call No.: SH1.C65

1996 1981  
USDA fills important role by providing aquaculture  
statistics for catfish, trout.  
Jones, M.A.

Aquaculture magazine; v. 7, (6), p. 48, 50. Sept/Oct  
1981. (Little Rock, Ark.: Briggs Associates, Inc.)  
NAL Call No.: SH1.C65

1997 1981  
The use of heat in fish farming.  
Howell, B.R.  
Energy conservation and use of renewable energies in the  
bio-industries : proceedings of the International Seminar  
on Energy Conservation and the Use of Solar and other  
Renewable Energies in Agriculture, Horticulture, and  
Fishculture, held at the Polytechnic of Central London,  
15-19 September 1980. International Seminar on Energy  
Conservation and the Use of Solar and other Renewable  
Energies in Agriculture, Horticulture, and Fishculture  
(1980 : Polytechnic of Central London); p. 275-283. ill.  
1981. (Oxford: Pergamon Press.)  
NAL Call No.: TJ810.I49 1980  
(Bibliography p. 283.)

1998 1981  
The use of waste heat in fish farming (Cooling water  
from a nuclear power station).  
Rogers, A.; Cane, A.  
Energy conservation and use of renewable energies in the  
bio-industries : proceedings of the International Seminar  
on Energy Conservation and the Use of Solar and other  
Renewable Energies in Agriculture, Horticulture, and  
Fishculture, held at the Polytechnic of Central London,  
15-19 September 1980. International Seminar on Energy  
Conservation and the Use of Solar and other Renewable  
Energies in Agriculture, Horticulture, and Fishculture  
(1980 : Polytechnic of Central London); p. 435-448. ill.,  
maps. 1981. (Oxford: Pergamon Press.)  
NAL Call No.: TJ810.I49 1980  
(Bibliography p. 448.)

1999 1981  
Utilization of effluents in fish culture (Algal biomass).  
Utilizzazione dei reflui in ittiocoltura. ITALIAN.  
DeLuca, D.; Damilani, R.  
Informatore zootecnico; v. 27, (14), p. 36-38. ill. July 31,  
1980. (Bologna: Edagricole.)  
NAL Call No.: 49 IN3

2000 1981  
Variability and commercial properties of two  
homozygous forms (scaly and mirror) of common carp  
(*Cyprinus carpio*) from artificial breeding. Variabilita a  
uzitkove vlastnosti dvoch homozygotnych foriem  
(supinatej a zrkadlovej) kapra obycajneho z umeleho  
chovu. SLOVAK.  
Letko, E.  
Pol'nohospodarstvo. = Sel'skoe khoziaistvo. = Agriculture;  
v. 27, (1), p. 38-43. 1981. (Bratislava: Slovenska  
akademia vied.)  
NAL Call No.: 19.5 P752  
(7 ref.)

2001 1981  
What is essential in intensive fish production. Intensive  
Fischproduktion, was ist das eigentlich. GERMAN.  
Meske, C.  
Der praktische Tierarzt; v. 62, (9), p. 773-774. Sept 1,  
1981. (Hannover: Bundesverband praktischer Tierarzte.)  
NAL Call No.: 41.8 P882

2002 1981  
WIND ENERGY, HYDROPOWER AND HEAT  
PUMPS FOR AQUACULTURE.  
MCGUIGAN, D.



ICLARM NEWSLETTER 4 (2), 10-11.  
Aquaculture Data Base No.: 9232

1980

2003 1980

**Aquaculture in ponds in continental waters (Fish rearing, feeding, pond maintenance). Acquacultura in gabbia nelle acque continentali. ITALIAN.**  
Informatore zootecnico; v. 27, (2), p. 34-36. ill. Jan 31, 1980. (Bologna: Edagricole.)  
NAL Call No.: 49 IN3

2004 1980

**Adaptation of dams for fish culture. Adaptacao de acudes para a piscicultura.**  
Silva, J.M.F.  
Informe agropecuario - Empresa de Pesquisa Agropecuaria de Minas Gerais; v. 6, (67), p. 10-17. ill. July 1980. (Belo Horizonte: A Empresa.)  
NAL Call No.: HD1875.M5E5

2005 1980

**Advances in air breathing fish culture in India.**  
Dehadrai, P.V.  
Symposium on the Development and Management of Small-Scale Fisheries : proceedings of the 19th session, Indo-Pacific Fishery Commission, Kyoto, Japan, 21-30 May 1980; p. 508-514. 1980. (Bangkok: FAO Regional Office for Asia and the Pacific.)  
NAL Call No.: SH1.I5

2006 1980

**Alaska's ranchers: fishermen join fish farmers to boost Pacific salmon runs (Hatcheries).**  
Fish farming international; v. 7, (4), p. 4-5. ill. Dec 1980. (London: Arthur J. Heighway.)  
NAL Call No.: SH151.F5

2007 1980

**Algae biomass : production and use.**  
Shelef, Gedaliah.; Soeder, Carl J.  
Amsterdam: New York; Elsevier/North-Holland Biomedical Press - 1980. xviii, 852 p.: ill.; 25 cm.  
NAL Call No.: SH389.A44  
"Papers written or revised and updated to 1980 of lectures presented at the International Symposium on the Production and Use of Micro-Algae Biomass September 17-22, 1978. Includes some papers by non-participants. (Includes bibliographies and indexes.)

2008 1980

**Application of new narcotic substances in carp production. BULGARIAN.**  
Boiadzhiev, N.; Natova, L.; Bizhev, A.  
Veterinarna sbirka; v. 78, (8), p. 12-14. 1980. (Sofia: Tsentralen suvet na natsionalniia agrarno-promishlen suiuz.)  
NAL Call No.: 41.8 V6463

2009 1980

**Aquacultural engineering in fresh water prawn production.**  
Wang, J.K.; Williamson, M.R.

Transactions of the ASAE - American Society of Agricultural Engineers; v. 23, (5), p. 1318-1321, 1325. ill. Sept/Oct 1980. (St. Joseph, Mich.: The Society.)  
NAL Call No.: 290.9 AM32T  
(18 ref.)

2010 1980

**Aquaculture and small-scale fisheries development.**  
Pillay, T.V.R.; Wijkstrom, U.  
Symposium on the Development and Management of Small-Scale Fisheries : proceedings of the 19th session, Indo-Pacific Fishery Commission, Kyoto, Japan, 21-30 May 1980; p. 978-987. 1980. (Bangkok: FAO Regional Office for Asia and the Pacific.)  
NAL Call No.: SH1.I5  
(10 ref.)

2011 1980

**AQUACULTURE IN IRRIGATION SYSTEMS.**  
PANTULU, V.R.  
ICLARM CONFERENCE PROCEEDINGS 4, INTEGRATED AGRICULTURE-AQUACULTURE FARMING SYSTEMS, MANILA, PHILIPPINES, 6-9 AUGUST 1979, 35-44.  
Aquaculture Data Base No.: 8841

2012 1980

**Aquaculture: opportunities and challenges (Fish farming, New Zealand).**  
Jarman, N.E.  
Occasional publication - Fisheries Research Division; (27), p. 12-15. 1980. (Wellington, New Zealand Ministry of Agriculture and Fisheries.)  
NAL Call No.: SH318.5.A1N4

2013 1980

**Aquatic farms. Granjas acuaticas. SPANISH.**  
Garcia-Badell Lapetra, Jose Javier.  
Madrid: Instituto Nacional de Investigaciones Agrarias; 1980. 168 p., (1) folded leaf of plate: ill. (some col.), plans; 24 cm.  
NAL Call No.: S253.M6 no.26  
(Monografias I.N.I.A. ; no. 26)

2014 1980

**Arkansas aquaculture (Food fish farming).**  
Gray, D.L.  
EL - Arkansas University, Cooperative Extension Service; (622), 4 p. Mar 1980. (Little Rock, Ark.: The Service.)  
NAL Call No.: 275.29 AR4LE

2015 1980

**The bare bones of crawfish farming.**  
Avault, J.W., Jr.  
Aquaculture magazine; v. 6, (6), p. 42-43. ill. Sept/Oct 1980. (Little Rock, Ark.: Briggs Associates, Inc.)  
NAL Call No.: SH1.C65

2016 1980

**Biological and technological studies on the aquaculture of yearling surf clams (Spisula solidissima). I. Aquacultural production.**  
Goldberg, R.  
Proceedings - National Shellfisheries Association; v. 70, (1), p. 55-60. ill. June 1980. (Plymouth, Mass.: MPG Communications.)  
NAL Call No.: SH365.A1N3  
(20 ref.)

- 2017 1980  
**Biological and technological studies on the aquaculture of yearling surf clams (*Spisula solidissima*, source of low fat, high protein seafood).**  
 Krzynowek, J.; Learson, R.J.; Wiggin, K.  
 Proceedings - National Shellfisheries Association; v. 70, (1), p. 61-64. ill. June 1980. (Plymouth, Mass.: MPG Communications.)  
 NAL Call No.: SH365.A1N3  
 (6 ref.)
- 2018 1980  
**THE BIOLOGY AND MANAGEMENT OF LOBSTERS. VOL.2 ECOLOGY AND MANAGEMENT. CHAPTER 10. AQUACULTURE.**  
 VAN OLST, J.C.; CARLBERG, J.M.; HUGHES, J.T.  
**THE BIOLOGY AND MANAGEMENT OF LOBSTERS, VOL.2, ACADEMIC PRESS, INC., 333-384.**  
 Aquaculture Data Base No.: 8645
- 2019 1980  
**BRACKISH WATER FISH FARM - CONSTRUCTION AND MAINTENANCE.**  
 REDDI, D.V.  
 PROCEEDINGS OF THE FIRST NATIONAL SYMPOSIUM ON SHRIMP FARMING, BOMBAY, 16-18 AUG., 1978, THE MARINE PRODUCTS EXPORT DEVELOPMENT AUTHORITY, 107-110.  
 Aquaculture Data Base No.: 9251
- 2020 1980  
**BRACKISHWATER POND DEVELOPMENT IN SUMATRA.**  
 DUNCAN, B.  
 ICLARM NEWSLETTER 3 (4), 4-5.  
 Aquaculture Data Base No.: 8758
- 2021 1980  
**British Columbia fisheries and the 200-mile limit.**  
 Copes, P.  
 Marine policy; v. 4, (3), p. 205-214. maps. July 1980. (Haywards Heath, Sussex: IPC Business Press.)  
 NAL Call No.: GC1000.M33
- 2022 1980  
**Cameroon: ambitious objective for shrimp (Includes production, marketing). Cameroun: objectif ambitieux pour la crevette. FRENCH.**  
 Afrique agriculture; (64), p. 20-21. ill. Dec 1980. (Paris: Publiafric.)  
 NAL Call No.: S5.A35
- 2023 1980  
**CARP CULTURE IN JAPANESE RICE FIELDS.**  
 KURONUMA, K.  
 ICLARM CONFERENCE PROCEEDINGS 4, INTEGRATED AGRICULTURE-AQUACULTURE FARMING SYSTEMS, MANILA, PHILIPPINES, 6-9 AUGUST 1979, 167-174.  
 Aquaculture Data Base No.: 8853
- 2024 1980  
**Catfish farming with Chinese carps.**  
 Newton, S.H.
- Arkansas farm research. Arkansas. Agricultural Experiment Station; v. 29, (1), p. 8. Jan/Feb 1980. (Fayetteville: The Station.)  
 NAL Call No.: 100 AR42F
- 2025 1980  
**Changing pattern of prawn production in small-scale fisheries of India.**  
 George, M.J.; Suseelan, C.  
 Symposium on the Development and Management of Small-Scale Fisheries : proceedings of the 19th session, Indo-Pacific Fishery Commission, Kyoto, Japan, 21-30 May 1980; p. 402-425. ill., maps. 1980. (Bangkok: FAO Regional Office for Asia and the Pacific.)  
 NAL Call No.: SH1.I5  
 (5 ref.)
- 2026 1980  
**Channel catfish : produced in Kansas ponds for profit and pleasure.**  
 Tiemeier, Otto W.  
 Manhattan, Kan: Agricultural Experiment Station, Kansas State University; 1980. 36 p.: ill.; 28 cm.  
 NAL Call No.: 100 K13S (1) no.635  
 (Kansas. Agricultural Experiment Station. Bulletin ; no. 635)  
 (Bibliography: p. 35-36.)
- 2027 1980  
**COMBINED AQUACULTURE SYSTEMS FOR WASTEWATER TREATMENT IN COLD CLIMATES - AN ENGINEERING ASSESSMENT.**  
 PERSHE, E.R.  
 AQUACULTURE SYSTEMS FOR WASTEWATER TREATMENT - AN ENGINEERING ASSESSMENT, EPA 430/9-80-007, 105-127.  
 Aquaculture Data Base No.: 8993
- 2028 1980  
**Commercial fish farming in inland reservoirs. Tovarnoe rybovodstvo na vnutrennikh vodoemakh : na primere otdel'nykh vodokhranilishch i ozer Severnogo Kavkaza. RUSSIAN.**  
 Abaev, I.U. I.  
 Moskva: Pishchevaia promyshlennost'; 1980. 110 p.: ill., map; 22 cm.  
 NAL Call No.: SH284.R8A3  
 (Bibliography: p. 104-(109).)
- 2029 1980  
**Composite fish culture--a case study.**  
 Varghese, T.J.; Singit, G.S.; Keshavanath, P.; Konda Reddy, P.; Vasudevappa, C.  
 The Mysore journal of agricultural sciences; v. 14, (2), p. 232-236. 1980. (Hebbal, Bangalore: University of Agricultural Sciences.)  
 NAL Call No.: S19.M9  
 (7 ref.)
- 2030 1980  
**Comprehensive studies on oyster culture in Hansan, Geoje Bay. KOREAN.**  
 Yoo, S.K.; Park, J.S.; Chin, P.; Chang, D.S.; Lim, K.B.; Park, C.K.; Hong, S.Y.; Cho, C.H.; Hue, J.S.; Lee, S.S.  
 Kungnip Susan Chinhungwon yon'gu pogo. = Bulletin of Fisheries Reserch & Development Agency - Kungnip Susan Chinhungwon; (24), p. 7-46. ill., maps. Aug 1980. (Aug 1980: (24))  
 NAL Call No.: SH307.K8K84  
 (Bibliography p. 45-46.)



- 2031 1980  
**A computerized system for monitoring the gulf of Papua prawn (*Penaeus*) trawl fishery and its implications for management (Papua New Guinea).**  
 Gwyther, D.; Tenakanai, C.D.  
 Science in New Guinea; v. 7, (2), p. 93-102. ill. Aug 1980. (Papua: University of Papua New Guinea.)  
 NAL Call No.: Q4.S25  
 (7 ref.)
- 2032 1980  
**Concern over fish-farming.**  
 Cooke, B.W.C.  
 Country life; v. 168, (4342), p. 1656-1657. ill. Nov 6, 1980. (London: IPC Magazines.)  
 NAL Call No.: 80 C83
- 2033 1980  
**CONSTRUCTION AND MAINTENANCE OF SHRIMP FARMS - MATERIALS USED IN THE CONSTRUCTION OF AQUACULTURE SYSTEMS.**  
 PUNWANI, D.M.  
 PROCEEDINGS OF THE FIRST NATIONAL SYMPOSIUM ON SHRIMP FARMING, BOMBAY, 16-18 AUG., 1978, THE MARINE PRODUCTS EXPORT DEVELOPMENT AUTHORITY, 119-122.  
 Aquaculture Data Base No.: 9253
- 2034 1980  
**CONSTRUCTION AND MAINTENANCE OF SHRIMP FARMS FOR COMMERCIAL PRODUCTION.**  
 SENGUPTA, A.  
 PROCEEDINGS OF THE FIRST NATIONAL SYMPOSIUM ON SHRIMP FARMING, BOMBAY, 16-18 AUG., 1978, THE MARINE PRODUCTS EXPORT DEVELOPMENT AUTHORITY, 91-96.  
 Aquaculture Data Base No.: 9249
- 2035 1980  
**Contributions of 1971 brood year coho salmon liberated into the Alsea and Trash Rivers and Floras Lake, Oregon.**  
 Mullen, Robert E.  
 Corvallis: Oregon Dept. of Fish and Wildlife, Research and Development Section; 1980. 26 p.: ill.  
 NAL Call No.: SH1.155 No. 80-4  
 (Information report series, fisheries ; no. 80-4)  
 (Bibliography: p. 26.)
- 2036 1980  
**Costa Rica--fish culture.**  
 McLarney, B.  
 The Journal of the new alchemists; (6), p. 27-30. ill. 1980. (Woods Hole, Mass.: New Alchemy Institute.)  
 NAL Call No.: GF1.J6
- 2037 1980  
**CULTIVO DE LARVAS Y ALEVINAS DE AMURA BLANCA (*CTENOPHARYNGODON IDELLA*) EN CUBA.**  
 CAMEJO, Z.; BOGUERUK, A.; OVINNIKOVA, V.; GONZALEZ, O.  
 REVISTA LATINOAMERICANA DE ACUICULTURA J, 28-35. (IN SPANISH WITH ENGLISH ABSTRACT).  
 Aquaculture Data Base No.: 8509
- 2038 1980  
**Culture and uses of grass carp (*Ctenopharyngodon idella*) in New Zealand.**
- Mitchell, C.P.  
 Occasional publication - Fisheries Research Division; (27), p. 75-76. 1980. (Wellington, New Zealand Ministry of Agriculture and Fisheries.)  
 NAL Call No.: SH318.5.A1N4  
 (6 ref.)
- 2039 1980  
**Culture of carp (*Cyprinus carpio* Lineu) in still water (Brazil). Criacao de carpa (*Cyprinus carpio* Lineu) em agua parada.**  
 Makinouchi, S.  
 Informe agropecuario - Empresa de Pesquisa Agropecuaria de Minas Gerais; v. 6, (67), p. 30-35, 38-49. ill. July 1980. (Belo Horizonte: A Empresa.)  
 NAL Call No.: HD1875.M5E5  
 (6 ref.)
- 2040 1980  
**Culture studies with Malaysian prawn in unfed brackish water ponds (*Macrobrachium rosenbergii*).**  
 Perry, W.G., JR; Huner, J.V.; Avault, J.W., Jr.  
 Proceedings of the ... annual conference Southeastern Association of Fish and Wildlife Agencies; (34th), p. 215-222. ill. 1980. ((s.l.): The Association.)  
 NAL Call No.: SK1.S6  
 (Includes 13 ref.)
- 2041 1980  
**Delayed release of salmon (*Chinook* salmon (*Oncorhynchus tshawytscha*), coho salmon (*Oncorhynchus kisutch*)).**  
 Novotny, A.J.  
 Salmon ranching, edited by John Thorpe; p. 325-369. ill., maps.p. 325-369. ill., maps. 1980. (London: New York.)  
 NAL Call No.: SH167.S17S26  
 (Bibliography p. 367-369.)
- 2042 1980  
**DESIGN AND CONSTRUCTION OF SLUICE FOR SHRIMP FARMS IN INDIA.**  
 MUKHERJEE, A.B.  
 PROCEEDINGS OF THE FIRST NATIONAL SYMPOSIUM ON SHRIMP FARMING, BOMBAY, 16-18 AUG., 1978, THE MARINE PRODUCTS EXPORT DEVELOPMENT AUTHORITY, 111-118.  
 Aquaculture Data Base No.: 9252
- 2043 1980  
**DESIGN AND OVERWINTERING OF A SOLAR HEATED RECIRCULATING MARINE POLY-CULTURE SYSTEM.**  
 OGLE, J.  
 PROCEEDINGS OF THE ELEVENTH ANNUAL MEETING, WORLD MARICULTURE SOCIETY, NEW ORLEANS, LOUISIANA, MARCH 5-8, 1980, 135-141.  
 Aquaculture Data Base No.: 9022
- 2044 1980  
**A DESIGN FOR A RAISED GARDEN POND.**  
 PAYNE, D.B.  
 THE AQUARIST AND PONDKEEPER 45 (2), 28-30.  
 Aquaculture Data Base No.: 8111
- 2045 1980  
**Development of a soft crab fishery in Florida.**  
 Otwell, W. Steven.

Gainesville: University of Florida, Sea Grant College Program; 1980. iv, 55 p.: ill.; 28 cm.  
**NAL Call No.: QH91.A1F65 no. 31**  
 (Florida Sea Grant Program. Report ; no. 31)  
 (Bibliography: p. 54-55.)

**2046** **1980**  
**Development of microalgae harvesting and high-rate pond technologies in California (Wastewater treatment).**  
 Benemann, J.; Koopman, B.; Weissman, J.; Eisenberg, D.; Goebel, R.  
 Algae biomass : production and use / (sponsored by the National Council for Research and Development, Israel and the Gesellschaft fur Strahlen- und Umweltforschung (GSF), Munich, Germany) ; editors, Gedaliah Shelef, Carl J. Soeder; p. 457-495. ill. 1980. (Amsterdam: Elsevier/North-Holland Biomedical Press.)  
**NAL Call No.: SH389.A44**  
 (Bibliography p. 492-495.)

**2047** **1980**  
**The development of salmon culture towards ranching (Scotland).**  
 Thorpe, J.E.  
 Salmon ranching, edited by John Thorpe; p. 1-11. 1980. (London: New York.)  
**NAL Call No.: SH167.S17S26**  
 (Bibliography p. 9-11.)

**2048** **1980**  
**Development of the fishing industry and fish farming in Slovenia. Razvoj ribistva in ribogojstva v Sloveniji. SLOVENIAN.**  
 Zabrc, B.  
 Sodobno kmetijstvo; v. 13, (7/8), p. 257-268. July/Aug 1980. \$b v. 13. (Ljubljana: Kmecki glas.)  
**NAL Call No.: S13.S62**

**2049** **1980**  
**The dome as nursery (a breeding pool for tilapia, Sarotheradon aureus, in the solar-algae ponds).**  
 Zweig, R.  
 The Journal of the new alchemists; (6), p. 96-97. ill. 1980. (Woods Hole, Mass.: New Alchemy Institute.)  
**NAL Call No.: GF1.J6**  
 (4 ref.)

**2050** **1980**  
**Dynamics of fished stocks.**  
 Tyler, A.V.; Gallucci, V.F.  
 Fisheries management, edited by Robert T. Lackey and Larry A. Nielsen; p. 145-147. ill. 1980. (Oxford: Boston.)  
**NAL Call No.: SH328.F56**  
 (Bibliography p. 145-147.)

**2051** **1980**  
**Earth barriers for dams and fish hatcheries. Barragens de terra para acudes e viveiros.**  
 Ramos, M.M.  
 Informe agropecuario - Empresa de Pesquisa Agropecuaria de Minas Gerais; v. 6, (67), p. 2-10. ill. July 1980. (Belo Horizonte: A Empresa.)  
**NAL Call No.: HD1875.M5E5**  
 (10 ref.)

**2052** **1980**  
**Ecological complex "Ekokhim-I" (for optimization of industrial production) (Use and conservation of natural resources, fur and fish farming, USSR). RUSSIAN.**  
 Beliaev, I.U.B.

Prigotovlenie, otsenka i skarmlivanie kormov, Ministerstvo sel'skogo khoziaistva Latviiskoi SSR, Latviiskii nauchno-issledovatel'skii institut zhivotnovodstva i veterinarii ; (otvetstvennyi redaktor K. IA. Kiaune); p. 52-57. 1980. (Riga (226018 Riga, ul. Turgeneva, 19): Zinatne.)  
**NAL Call No.: SF97.P75**

**2053** **1980**  
**EEC (European Economic Community) fisheries management.**  
 Cunningham, S.  
 Marine policy; v. 4, (3), p. 229-235. July 1980. (Haywards Heath, Sussex: IPC Business Press.)  
**NAL Call No.: GC1000.M33**

**2054** **1980**  
**The effect of body size when stocked on the growth and recapture of Himemasu (Oncorhynchus nerka) stocked in Lake Yunoko.**  
 Tanaka, Minoru.  
 Washington, D.C: NOAA; 1980. (3), 19 leaves.  
**NAL Call No.: TRANSL 26794**  
 Translated from Russian Translated from: Bulletin of freshwater fisheries research laboratory, volume 26, no. 1 (serial no. 50) Fisheries Agency, Tokyo, Japan.  
 (Bibliography: leaves 18-19.)

**2055** **1980**  
**EFFECTIVE POND MANAGEMENT.**  
 FLEEGE, D.  
 FARM POND HARVEST 14 (1), 14-15.  
**Aquaculture Data Base No.: 7500**

**2056** **1980**  
**Effects of stocking density on two Tilapia species raised in an intensive culture system.**  
 Henderson-Arzapalo, A.; Stickney, R.R.  
 Proceedings of the ... annual conference Southeastern Association of Fish and Wildlife Agencies; (34th), p. 379-387. ill. 1980. ((s.l.): The Association.)  
**NAL Call No.: SK1.S6**  
 (Includes 19 ref.)

**2057** **1980**  
**Effects of three management practices on the growth and production of (the fish) Tilapia rendalli (Colombia, includes feeding and pond fertilization).**  
 Ramos-Henao, A.; Corredor, G.G.  
 Bamidgah. = Bulletin of Fish Culture in Israel; v. 32, (2), p. 41-45. June 1980. \$b v. 32. (Nir-David: Joint Agricultural Extension Centre.)  
**NAL Call No.: 414.8 B21**  
 (7 ref.)

**2058** **1980**  
**Embankments built close to the natural forms of river banks with special attention to fishery. Naturnaher Shutzwasserbau unter besonderer Beachtung der Fischerei. GERMAN.**  
 Wurzer, E.  
 Der Forderungsdienst; v. 28, (7), p. 187-188, 191, 193. July 1980. (Wien: Bundesministerium fur Land- und Forstwirtschaft.)  
**NAL Call No.: 19 F75**

**2059** **1980**  
**Energy use in fisheries.**  
 Hjul, P.



PRODUCTION AND MANAGEMENT SYSTEMS

Span; progress in agriculture; v. 23, (3), p. 126-128. ill.  
1980. (Foston, Eng.: J.G.R. Stevens.)  
NAL Call No.: 464.8 SP2  
(2 ref.)

2060 1980  
Engineering analysis of pumping cold deep nutrient-rich seawater for mariculture (farming, such as hard clam, Pacific and European oyster, bay scallop and spiny lobster cultures) and nuclear power plant cooling.  
Wei, C.H.; Huang, P.C.; Kung, M.S.  
Proceedings of the National Science Council; v. 4, (2), p. 133-142. ill. April 1, 1980. (Taipei: The Council.)  
NAL Call No.: Q180.C6K8  
(10 ref.)

2061 1980  
Engineering in catfish production (for human consumption).  
Forsythe, P.  
Agricultural engineering; v. 61, (6), p. 18-21. ill. June 1980. (St. Joseph, Mich.: American Society of Agricultural Engineers.)  
NAL Call No.: 58.8 AG83

2062 1980  
Enlightened management of aquatic biota (Salmon, aquaculture).  
Hasler, A.D.  
Growth without ecodiasters? proceedings of the Second International Conference on Environmental Future (2nd ICEF) held in Reykjavik, Iceland, 5-11 June 1977, edited by Nicholas Polunin; p. 109-133. ill., maps. 1980. (: London; New York,)  
NAL Call No.: GF3.I37 1977  
(18 ref.)

2063 1980  
An evaluation of the Oregon Department of Fish and Wildlife standard spawning fish survey system for coho salmon (*Oncorhynchus kisutch*).  
Beidler, W.M.; Nickelson, T.E.  
Information report series, fisheries; (80-9), 23 p. ill. Dec 1980. (Corvallis: Oregon Department of Fish and Wildlife, Research and Development Section.)  
NAL Call No.: SH1.I55  
(13 ref.)

2064 1980  
Existing projects related to the improvement and development of coastal fishing grounds in Japan.  
Nagano, A.  
Symposium on the Development and Management of Small-Scale Fisheries : proceedings of the 19th session, Indo-Pacific Fishery Commission, Kyoto, Japan, 21-30 May 1980; p. 788-794. ill. 1980. (Bangkok: FAO Regional Office for Asia and the Pacific.)  
NAL Call No.: SH1.I5

2065 1980  
An experiment on the culture of *Penaeus indicus* (Milne Edwards) in an estuarine pond at Mangalore.  
Ramamurthy, S.; Manickaraja, M.  
Indian journal of fisheries; v. 24, (1/2), p. 210-212. ill., map. 1977 (pub.1980). (Ernakulam: Cochin)  
NAL Call No.: SH299.I5  
(3 ref.)

2066 1980  
Experimental releases of coho salmon (*Oncorhynchus kisutch*) in British Columbia.

Bilton, H.T.  
Salmon ranching, edited by John Thorpe; p. 305-324. ill. 1980. (London: New York.)  
NAL Call No.: SH167.S17S26  
(13 ref.)

2067 1980  
Exploitation of a single-cohort fishery under risk: a simulation-optimization approach.  
Dudley, N.; Waugh, G.  
Journal of environmental economics and management; v. 7, (3), p. 234-255. ill. Sept 1980. (New York: Academic Press.)  
NAL Call No.: HC79.P55J6  
(16 ref.)

2068 1980  
Exploitation of dams for fish culture (Minas Gerais, Brazil). Aproveitamento de acudes para piscicultura.  
Faria, N.M. de O.  
Informe agropecuario - Empresa de Pesquisa Agropecuaria de Minas Gerais; v. 6, (67), p. 17-19. July 1980. (Belo Horizonte: A Empresa.)  
NAL Call No.: HD1875.M5E5

2069 1980  
Factors influencing smallmouth bass (*Micropterus dolomieu*) production in the Hanford area, Columbia River (Ecological effects).  
Montgomery, J.C.; Fickeisen, D.H.; Becker, C.D.  
Northwest science; v. 54, (4), p. 296-305. ill. Nov 1980. (Pullman: Washington State University Press.)  
NAL Call No.: 470 N81  
(9 ref.)

2070 1980  
Feasibility of siphons for degassing water (supplies of fish hatcheries).  
Monk, B.H.; Long, C.W.; Dawley, E.M.  
Transactions of the American Fisheries Society; v. 109, (6), p. 765-768. ill. Nov 1980. (Lawrence, Kan.: The Society.)  
NAL Call No.: 414.9 AM3  
(8 ref.)

2071 1980  
Filtration techniques for small-scale aquaculture in a closed system (Fish production).  
Van Gorder, S.D.; Fritch, J.D.  
Proceedings of the ... annual conference Southeastern Association of Fish and Wildlife Agencies; (34th), p. 59-66. ill. 1980. ((s.l.): The Association.)  
NAL Call No.: SK1.S6  
(Includes 14 ref.)

2072 1980  
First experiences with a warm-water circulation plant for carp cultivation. Erste Erfahrungen mit einer Warmwasserkreislaufanlage zur Karpfenhaltung.  
GERMAN.  
Proske, C.  
Landtechnik; v. 35, (5), p. 218-221. ill. May 1980. (Lehrte: Verlag Eduard F. Beckmann KG.)  
NAL Call No.: 58.8 L235  
(3 ref.)

2073 1980  
Fish culture development of artificial lakes in West Africa. L'aménagement piscicole des retenues artificielles en Afrique occidentale. FRENCH.  
Lessent, P.

Bois et forets des tropiques; (193), p. 57-71. ill. Sept/Oct 1980. (Nogent-sur-Marne, France: Centre technique forestier tropical.)  
**NAL Call No.: 99.8 B632**  
 (2 p. ref.)

**2074** **1980**  
**Fish culture for small and medium producers. Piscicultura para o pequeno e medio produtores.**  
 Silva, J.M.F. da.  
 Informe agropecuario - Empresa de Pesquisa Agropecuaria de Minas Gerais; v. 6, (67), p. 19-22. ill. July 1980. (Belo Horizonte: A Empresa.)  
**NAL Call No.: HD1875.M5E5**

**2075** **1980**  
**Fish culture. Fiskeoppdrett. NORWEGIAN.**  
 Tvenning, Hans.  
 (Oslo): Aschehoug; 1980. 125 p.: ill.; 27 cm.  
**NAL Call No.: SH155.5.T8**  
 Includes index.  
 (Bibliography: p. 122.)

**2076** **1980**  
**Fish culture: vanguard in Emilia Romagna. Piscicoltura d'avanguardia in Emilia Romangna.**  
 Marzzotti, L.  
 Informatore zootecnico; v. 27, (18), p. 92-95. ill. Sept 30, 1980. (Bologna: Edagricole.)  
**NAL Call No.: 49 IN3**

**2077** **1980**  
**Fish farm in a factory basement (in the city of Copenhagen).**  
 Purves, M.  
 Fish farming international; v. 7, (3), p. 16-19. ill. Sept 1980. (London: Arthur J. Heighway.)  
**NAL Call No.: SH151.F5**

**2078** **1980**  
**Fish farming handbook : food, bait, tropicals, and goldfish.**  
 Brown, E. Evan.; Gratzek, John B.  
 Westport, Conn: AVI Pub. Co; c1980. xvi, 391 p: ill.  
**NAL Call No.: SH151.B84**  
 (Includes bibliographies and index.)

**2079** **1980**  
**FISH FARMING HANDBOOK. ADDITIONAL INFORMATION.**  
 MADAMBA, J.C.  
**FISH FARMING HANDBOOK, SEAFDEC, 292-295.**  
**Aquaculture Data Base No.: 8987**

**2080** **1980**  
**Fish farming in the salt soil of Egypt.**  
 Cross, D.  
 Fish farming international; v. 7, (3), p. 22-23. ill. Sept 1980. (London: Arthur J. Heighway.)  
**NAL Call No.: SH151.F5**

**2081** **1980**  
**Fish ponds: construction and management in Pennsylvania.**  
 Rader, T.D.; Wingard, R.G.; Heiney, C.L.; Wooding, N.H.

Special circular - Pennsylvania State University, Cooperative Extension Service; (263), 20 p. ill. 1980. (University Park, Pa.: The Service.)  
**NAL Call No.: 275.29 P382SP**

**2082** **1980**  
**Fish production in some hypertrophic ecosystems in south India.**  
 Sreenivasan, A.  
 Proceedings ... Hypertrophic ecosystems; (pub. 1980), p. 271-277. 1979 (pub. 1980). (The Hague: W. Junk.)  
**NAL Call No.: QH96.8.E9S54**  
 (Includes 22 ref.)

**2083** **1980**  
**A fish-raising experience.**  
 Bennett, T.  
 Soil & water conservation news - United States Dept. of Agriculture, Soil Conservation Service; v. 1, (7), p. 8-10. ill. Oct 1980. (Washington, D.C.: The Service.)  
**NAL Call No.: aS622.S6**

**2084** **1980**  
**Fisheries and aquaculture in the People's Republic of China.**  
 Pritchard, G. I.  
 Ottawa, Canada: International Development Research Centre; c1980. 32 p.: ill.; 25 cm.  
**NAL Call No.: SH105.P7**  
 (IDRC / International Development Research Centre ; 115e)  
 (Bibliography: p. 29-32.)

**2085** **1980**  
**Fisheries and fish culture in Israel in 1979.**  
 Sarig, S.  
 Bamidgeh. = Bulletin of Fish Culture in Israel; v. 32, (4), p. 91-100, 107-113. ill. Dec 1980. (Nir-David: Joint Agricultural Extension Centre.)  
**NAL Call No.: 414.8 B21**  
 (2 ref.)

**2086** **1980**  
**Fisheries management.**  
 Lackey, Robert T.; Nielsen, Larry A.  
 Oxford: Boston; Blackwell Scientific Publications - New York - distributed in the U.S.A. and Canada by Halsted Press - 1980. x, 422 p.: ill.; 24 cm.  
**NAL Call No.: SH328.F56**  
 (Includes bibliographies and index.)

**2087** **1980**  
**Fishermen turn farmers (oyster farm in Austevoll, south of Bergen on Norway's west coast).**  
 Wray, T.  
 Fish farming international; v. 7, (3), p. 8-11. ill. Sept 1980. (London: Arthur J. Heighway.)  
**NAL Call No.: SH151.F5**

**2088** **1980**  
**Fishes and fisheries of the Sheyenne River, North Dakota.**  
 Peterka, J.J.  
 Proceedings of the North Dakota Academy of Science; v. 32, (2), p. 29-44. map. Dec 1978. (Grand Forks, N.D.: The Academy.)  
**NAL Call No.: 500 N813**  
 (28 ref.)

**2089** **1980**



**FRESHWATER AQUACULTURE IN INDONESIA, WITH SPECIAL REFERENCE TO SMALL-SCALE AGRICULTURE-AQUACULTURE INTEGRATED FARMING SYSTEMS IN WEST JAVA.**

DJAJADIREDDJA, R.; JANGKARA, Z.; JUNUS, M. ICLARM CONFERENCE PROCEEDINGS 4, INTEGRATED AGRICULTURE-AQUACULTURE FARMING SYSTEMS, MANILA, PHILIPPINES, 6-9 AUGUST 1979, 143-165.

Aquaculture Data Base No.: 8852

2090 1980

**Further cooperative and economic development of interior fisheries of the German Democratic Republic. Zur weiteren gesellschaftlichen und oekonomischen Entwicklung der Binnenfischerei der DDR. GERMAN.** Kuhrig, H.

Kooperation; v. 14, (8), p. 359-364. ill. Aug 1980. (Berlin: VEB Deutscher Landwirtschaftsverlag.)

NAL Call No.: HD1491.G3K6

2091 1980

**A gigantic aquaculture project in Egypt (Freshwater fish production). Egypte: gigantesque projet aquacole. FRENCH.**

Afrique agriculture; (61), p. 20. ill. Sept 1980. (Paris: Publiafric.)

NAL Call No.: S5.A35

2092 1980

**A good idea: raising crabs. Una buona idea: allevare granchi. ITALIAN.**

Perillo, G.

Informatore zootecnico; v. 27, (2), p. 37-38. ill. Jan 31, 1980. (Bologna: Edagricole.)

NAL Call No.: 49 IN3

2093 1980

**Growth and production of the 1955 to 1972 cohorts of perch, *Perca fluviatilis* L., in Windermere.**

Craig, J.F.

The Journal of animal ecology; v. 49, (1), p. 291-315. ill. Feb 1980. (Oxford: Blackwell Scientific Publications.)

NAL Call No.: 410 J826

(Bibliography p. 313-315.)

2094 1980

**Growth capacity of Tilapia in intensive culture (as a secondary fish in Israeli ponds).**

Sarig, S.; Arieli, Y.

Bamidgeh. = Bulletin of Fish Culture in Israel; v. 32, (3), p. 57-65. ill. Sept 1980. (Nir-David: Joint Agricultural Extension Centre.)

NAL Call No.: 414.8 B21

(5 ref.)

2095 1980

**Growth of a salmon farm.**

Cooke, B.W.C.

Country life; v. 168, (4336), p. 1057-1058. ill. Sept 25, 1980. (London: IPC Magazines.)

NAL Call No.: 80 C83

2096 1980

**Growth of stunted mrigal in polyculture system (Pond fish culture, India).**

Raj, S.P.; Sukumaran, N.

The Madras agricultural journal; v. 67, (10), p. 671-672. Oct 1980. (Coimbatore: Tamil Nadu Agricultural University.)

NAL Call No.: 22 M262

(Includes 3 ref.)

2097 1980

**Hatchery rearing of oysters and other shellfish in New Zealand.**

Redfearn, P.

Occasional publication - Fisheries Research Division; (27), p. 28-31. ill. 1980. (Wellington, New Zealand Ministry of Agriculture and Fisheries.)

NAL Call No.: SH318.5.A1N4

(1 ref.)

2098 1980

**Hatchery techniques: key to the growth of marine fish farming (in the United Kingdom, France, Italy, Spain, Norway and Denmark).**

Jones, A.; Prickett, R.

Fish farming international; v. 7, (3), p. 13-14. ill. Sept 1980. (London: Arthur J. Heighway.)

NAL Call No.: SH151.F5

2099 1980

**Higher yields from ponds, lakes and rivers through cooperation. Durch Kooperation zu hoheren Ertragen aus Teichen, Seen und Flussen. GERMAN.**

Gruneberg, G.

Kooperation; v. 14, (8), p. 355-359. Aug 1980. (Berlin: VEB Deutscher Landwirtschaftsverlag.)

NAL Call No.: HD1491.G3K6

(3 ref.)

2100 1980

**IDAHO TROUT FARMER EXPANDS, DIVERSIFIES; OPENS NEW AVENUES FOR TROUT INDUSTRY.**

LYNCH, T.

AQUACULTURE MAGAZINE 7 (1), 21-28.

Aquaculture Data Base No.: 8394

2101 1980

**Imperatives for an integrated crop-livestock-fish farming system (Asia).**

Madamba, J.C.

Integrated crop-livestock-fish farming; p. 1-7. ill. 1980. (Taipei, Taiwan (Agriculture Building, 14 Wen Chou Street): Food and Fertilizer Technology Center.)

NAL Call No.: S603.5.I46

(4 ref.)

2102 1980

**Importance of the water-level regime for reservoir fishery.**

Il'ina, L.K.; Gordeev, N.A.

New York: Consultants Bureau; Mar/Apr 1980. p. 153-164. ill.

NAL Call No.: GB746.W33

Literature review.

(45 ref.)

2103 1980

**Increasing the intensification of pond fisheries (Zhitomir Region). UKRAINIAN.**

P'iatkin, P.M.

Tvarynnytsvo Ukrainy; (3), p. 52-53. Mar 1980. (Kyiv: Ministerstvo sil's'koho hospodarstva URSR.)  
NAL Call No.: 49 SO712

2104 1980  
India turns to prawn (and shrimp) culture.  
Dwivedi, S.N.; Iftexhar, M.  
Fish farming international; v. 7, (4), p. 8-9. ill. Dec 1980.  
(London: Arthur J. Heighway.)  
NAL Call No.: SH151.F5

2105 1980  
Indonesian seaweed, its resources and culture.  
Mubarak, H.  
Symposium on the Development and Management of Small-Scale Fisheries : proceedings of the 19th session, Indo-Pacific Fishery Commission, Kyoto, Japan, 21-30 May 1980; p. 672-686. map. 1980. (Bangkok: FAO Regional Office for Asia and the Pacific.)  
NAL Call No.: SH1.I5  
(9 ref.)

2106 1980  
Inland water opportunities (fish farming) in Sri Lanka.  
Fish farming international; v. 7, (3), p. 36-37. ill. Sept 1980. (London: Arthur J. Heighway.)  
NAL Call No.: SH151.F5

2107 1980  
INNOVATIVE POND DESIGN.  
MARTIN, M.  
AQUACULTURE MAGAZINE 6 (4), PG. 40.  
Aquaculture Data Base No.: 7869

2108 1980  
INTEGRATED AGRICULTURE-AQUACULTURE FARMING SYSTEMS IN THE PHILIPPINES, WITH TWO CASE STUDIES ON SIMULTANEOUS AND ROTATIONAL RICE-FISH CULTURE.  
CRUZ, C.R. DELA  
ICLARM CONFERENCE PROCEEDINGS 4, INTEGRATED AGRICULTURE-AQUACULTURE FARMING SYSTEMS, MANILA, PHILIPPINES, 6-9 AUGUST 1979, 209-223.  
Aquaculture Data Base No.: 8857

2109 1980  
INTEGRATED AGRICULTURE-AQUACULTURE STUDIES IN TAIWAN.  
CHEN, T.P.; LI, Y.  
ICLARM CONFERENCE PROCEEDINGS 4, INTEGRATED AGRICULTURE-AQUACULTURE FARMING SYSTEMS, MANILA, PHILIPPINES, 6-9 AUGUST 1979, 239-241.  
Aquaculture Data Base No.: 8859

2110 1980  
INTEGRATED ANIMAL-FISH HUSBANDRY SYSTEMS IN HONG KONG, WITH CASE STUDIES ON DUCK-FISH AND GOOSE-FISH SYSTEMS.  
SIN, A.W.C.  
ICLARM CONFERENCE PROCEEDINGS 4, INTEGRATED AGRICULTURE-AQUACULTURE FARMING SYSTEMS, MANILA, PHILIPPINES, 6-9 AUGUST 1979, 113-123.  
Aquaculture Data Base No.: 8848

2111 1980  
Integrated crop-livestock-fish farming.

Taipei, Taiwan (Agriculture Building, 14 Wen Chow St.): Food and Fertilizer Technology Center; 1980. 147 p.: ill.; 26 cm.  
NAL Call No.: S603.5.I46  
(FFTC book series / Food and Fertilizer Technology Center, Asian and Pacific Region ; no. 16)  
(Includes bibliographies.)

2112 1980  
Integrated farming in Malaysia (pig, fish, vegetable).  
Ismail, A.B.  
Integrated crop-livestock-fish farming; p. 62-75. ill. 1980.  
(Taipei, Taiwan (Agriculture Building, 14 Wen Chow Street): Food and Fertilizer Technology Center.)  
NAL Call No.: S603.5.I46  
(7 ref.)

2113 1980  
Integrated farming in Thailand (Fish culture).  
Janesirisak, S.  
Integrated crop-livestock-fish farming; p. 53-56. 1980.  
(Taipei, Taiwan (Agriculture Building, 14 Wen Chow Street): Food and Fertilizer Technology Center.)  
NAL Call No.: S603.5.I46  
(3 ref.)

2114 1980  
INTEGRATED FARMING SYSTEMS: A CASE STUDY UNDER THE FEDERAL LAND DEVELOPMENT SCHEME.  
ARSHAD, N.; BAKAR, M.S.A.  
ARSHAD, N.; BAKAR, M.S.A.  
ICLARM CONFERENCE PROCEEDINGS 4, INTEGRATED AGRICULTURE-AQUACULTURE FARMING SYSTEMS, MANILA, PHILIPPINES, 6-9 AUGUST 1979, 189-193.  
Aquaculture Data Base No.: 8855

2115 1980  
Integrated farming with fish as major enterprise (fish, crops and livestock).  
Cruz, C.R. dela.  
Integrated crop-livestock-fish farming; p. 22-33. 1980.  
(Taipei, Taiwan (Agriculture Building, 14 Wen Chow Street): Food and Fertilizer Technology Center.)  
NAL Call No.: S603.5.I46  
(16 ref.)

2116 1980  
INTEGRATED LIVESTOCK-FISH FARMING IN INDIA.  
JHINGRAN, V.G.; SHARMA, B.K.  
ICLARM CONFERENCE PROCEEDINGS 4, INTEGRATED AGRICULTURE-AQUACULTURE FARMING SYSTEMS, MANILA, PHILIPPINES, 6-9 AUGUST 1979, 135-142.  
Aquaculture Data Base No.: 8851

2117 1980  
THE INTEGRATION OF FISH-FARMING WITH AGRICULTURE IN MALAYSIA.  
TAN, E.S.P.; HUAT, K.K.  
ICLARM CONFERENCE PROCEEDINGS 4, INTEGRATED AGRICULTURE-AQUACULTURE FARMING SYSTEMS, MANILA, PHILIPPINES, 6-9 AUGUST 1979, 175-187.  
Aquaculture Data Base No.: 8854

2118 1980  
Intensification of carp production with automated feeding. (Equipment). Intensivierung der Karpfenproduktion durch Futterungsautomaten.  
GERMAN.



Purwins, H.; Zehme, C.  
Agrartechnik; v. 30, (10), p. 435-436. ill. Oct 1980.  
(Berlin: VEB Verlag Technik.)  
NAL Call No.: 58.8 D482

2119 1980  
**Intensification of fisheries production (Artificial ponds, Ukrainian SSR). UKRAINIAN.**  
Hrinzhevs'kyi, M.V.  
Tvarynnystvo Ukrainy; (7), p. 52-54. July 1980. (Kyiv: Ministerstvo sil's'koho hospodarstva URSR.)  
NAL Call No.: 49 SO712

2120 1980  
**Introduction to the marine culture of groupers (fishes) in Pescadores. CHINESE.**  
Yen, C.L.  
T'ai-wan nung yeh chi k'an. = Taiwan agriculture bimonthly; v. 16, (4), p. 75-77. ill. Aug 1980. (Nan-t'ou: T'ai-wan sheng cheng fu nung lin t'ing.)  
NAL Call No.: S19.T3

2121 1980  
**THE ISOSMOTIC CONCEPT IN RELATION TO THE AQUACULTURE OF THE GIANT PRAWN, MACROBRACHIUM ROSENBERGII.**  
SINGH, T.  
AQUACULTURE 20 (3), 251-256.  
Aquaculture Data Base No.: 8084

2122 1980  
**The Italian Way of eel farming = La "Via Italiana" all'anguillicoltura.**  
Cancellieri, Sandro.  
Washington, D.C.: NOAA; 1980. 5 leaves; 28 cm.  
NAL Call No.: TRANSL 27092  
Translated from Italian Translated from: Rivista italiana di piscicoltura e ittiopatologia, xiv, no. 1, Jan.-Feb.-March 1979.

2123 1980  
**KOI IN YOUR GARDEN.**  
AXELROD, H.R.  
TROPICAL FISH HOBBYIST 28 (11), 4-6, 8-10, 12, 14, 16.  
Aquaculture Data Base No.: 8377

2124 1980  
**THE LIMITATIONS AND POTENTIALS OF BAY SCALLOP CULTURE IN NEW ENGLAND.**  
WALSH, D.  
PRESENTED, 1980 ANNUAL MEETING, NATIONAL SHELLFISHERIES ASSOCIATION, HYANNIS, MASS., JUNE 9-12, 1980, 1-9.  
Aquaculture Data Base No.: 9310

2125 1980  
**Liquid ammonium polyphosphate as a fish pond fertilizer (in phytoplankton or sunfish production).**  
Metzger, R.J.; Boyd, C.E.  
Transactions of the American Fisheries Society; v. 109, (5), p. 563-570. ill. Sept 1980. (Lawrence, Kan.: The Society.)  
NAL Call No.: 414.9 AM3  
(Bibliography p. 569-570.)

2126 1980  
**Lobster fishery management under the Fishery Conservation and Management Act.**  
Zuboy, J.R.; Jones, A.C.; Costello, T.J.

Fisheries; v. 5, (4), p. 50-52. ill. July/Aug 1980.  
(Bethesda, Md.: American Fisheries Society.)  
NAL Call No.: SH1.F54  
(5 ref.)

2127 1980  
**MANAGEMENT OF FISHPONDS WITH ACID SULFATE SOILS.**  
SINGH, V.P.  
ASIAN AQUACULTURE 3 (6), 4-6.  
Aquaculture Data Base No.: 8015

2128 1980  
**MANAGEMENT OF FISHPONDS WITH ACID SULFATE SOILS (FIRST IN A SERIES).**  
SINGH, V.P.  
ASIAN AQUACULTURE 3 (4), 4-6.  
Aquaculture Data Base No.: 7890

2129 1980  
**MANAGEMENT OF FISHPONDS WITH ACID SULFATE SOILS. (SECOND IN A SERIES).**  
SINGH, V.P.  
ASIAN AQUACULTURE 3 (5), 4-6.  
Aquaculture Data Base No.: 7888

2130 1980  
**Management under FCMA (Fishery Conservation and Management Act). Development of a fishery management plant.**  
Larkins, H.A.  
Marine policy; v. 4, (3), p. 170-182. map. July 1980.  
(Haywards Heath, Sussex: IPC Business Press.)  
NAL Call No.: GC1000.M33

2131 1980  
**Manual of small-scale reservoir fish culture.**  
Song, Z.  
FAO fisheries circular; (727), 18 p. ill. Apr 1980. (Rome: Food and Agriculture Organization of the United Nations.)  
NAL Call No.: SH1.F59

2132 1980  
**Marine biomass production through seaweed aquaculture.**  
Jackson, G.A.  
New York: Academic Press; c1980. p. 31-58. ill.  
NAL Call No.: TP360.B49  
Literature review.  
(Bibliography p. 56-58.)

2133 1980  
**MARKING AND PROTECTING LEASE GROUND.**  
COOK, H.  
PROCEEDINGS OF THE OYSTER CULTURE IN MARYLAND '79 CONFERENCE, ANNAPOLIS, MARYLAND, JANUARY 9, 1979, UM-SG-80-01, 71-78.  
Aquaculture Data Base No.: 7700

2134 1980  
**MASSIVE CULTIVATION OF MICROALGAE: RESULTS AND PROSPECTS.**  
SOEDER, C.J.

HYDROBIOLOGIA 72 (1-2), 197-209.  
Aquaculture Data Base No.: 8217

2135 1980  
Maya Farming System (Crop-livestock fish farm).  
Maramba, F.D.  
Integrated crop-livestock-fish farming; p. 78-84. ill. 1980.  
(Taipei, Taiwan (Agriculture Building, 14 Wen Chow  
Street): Food and Fertilizer Technology Center.)  
NAL Call No.: S603.5.I46

2136 1980  
MINNESOTA SMALL POND PROJECT YIELDS  
INTERESTING RESULTS; VARIETY OF FISH.  
KUHN, D.  
AQUACULTURE MAGAZINE 6 (3), 32-33.  
Aquaculture Data Base No.: 7738

2137 1980  
Mussel culture and harvest : a North American  
perspective.  
Lutz, Richard A.  
Amsterdam: New York; Elsevier Scientific Pub. Co. -  
1980. xiii, 350 p.: ill., maps; 25 cm.  
NAL Call No.: SH1.D43 v. 7  
(Developments in aquaculture and fisheries science ;  
7)  
(Includes bibliographies and index.)

2138 1980  
Natural stocks of mussels: growth, recruitment and  
harvest potential (*Mytilus edulis*).  
Chalfant, J.S. Jr.; Archambault, T.; West, A.E.  
Amsterdam: Elsevier; 1980. p. 38-68. ill., map.  
NAL Call No.: SH1.D43  
Literature review.  
(Bibliography p. 64-68.)

2139 1980  
New developments in aquaculture (Shrimp, salmon).  
Mason, J.F.  
Food engineering international; v. 5, (7), p. 36-37. ill.  
July 1980. (Radnor, Pa.: Chilton.)  
NAL Call No.: TP368.F63

2140 1980  
Nile delta food plans (Fish farming).  
Fish farming international; v. 7, (3), p. 35-36. Sept 1980.  
(London: Arthur J. Heighway.)  
NAL Call No.: SH151.F5

2141 1980  
NORTH CAROLINA SEA GRANT PROJECT  
EXPLORING EEL FARMING POTENTIAL.  
RICKARDS, W.L.  
AQUACULTURE MAGAZINE 6 (4), 20-24.  
Aquaculture Data Base No.: 7864

2142 1980  
A note on a preliminary experiment on the culture of  
*Sillago sihama* (Forsk.) (fishes) at Mangalore.  
Dhulkhed, M.H.; Ramamurthy, S.  
Indian journal of fisheries; v. 24, (1/2), p. 229-231. map.  
1977 (pub.1980). (Ernakulam: Cochin)  
NAL Call No.: SH299.I5  
(1 ref.)

2143 1980  
The numbers and production of pike (*Esox lucius*) in two  
Dorset rivers.

Mann, R.H.K.  
The Journal of animal ecology; v. 49, (3), p. 899-915. ill.  
Oct 1980. (Oxford: Blackwell Scientific Publications.)  
NAL Call No.: 410 J826  
(Bibliography p. 914-915.)

2144 1980  
Observations on fish production through composite fish  
culture in a farmer's pond (*Chanos chanos*).  
Singit, G.S.; Keshavanath, P.; Varghese, T.J.; Konda  
Reddy, P.; Venkatesh Prasad, G.S.  
The Mysore journal of agricultural sciences; v. 14, (2), p.  
236-240. 1980. (Hebbal, Bangalore: University of  
Agricultural Sciences.)  
NAL Call No.: S19.M9  
(4 ref.)

2145 1980  
Observations on intensive composite fish culture (India).  
Chakrabarty, R.D.; Sen, P.R.; Rao, N.G.S.; Ghosh, S.R.;  
Jena, S.; Janakiram, K.  
Symposium on the Development and Management of  
Small-Scale Fisheries : proceedings of the 19th session,  
Indo-Pacific Fishery Commission, Kyoto, Japan, 21-30  
May 1980; p. 515-525. 1980. (Bangkok: FAO Regional  
Office for Asia and the Pacific.)  
NAL Call No.: SH1.I5  
(10 ref.)

2146 1980  
Observations on the breeding of major carps in a dry  
bund of Uttar Pradesh during 1976 monsoon season.  
Karamchandani, S.J.; Mukerji, G.N.; Srivastava, G.N.;  
Chandra, K.  
Journal of the Bombay Natural History Society; v. 76,  
(3), p. 431-438. map. Dec 1979 (pub. 1980). (Madras:  
The Society.)  
NAL Call No.: 513 B63  
(Bibliography p. 437-438.)

2147 1980  
On the culture possibilities of (the clam) *Meretrix casta*  
in Bhimunipatnam backwaters.  
Ramamohana Rao, V.; Appa Rao, T.; Reuben, S.;  
Sampson Manickam, P.E.  
Indian journal of fisheries; v. 24, (1/2), p. 263-268. map.  
1977 (pub.1980). (Ernakulam: Cochin)  
NAL Call No.: SH299.I5  
(1 ref.)

2148 1980  
On the fishery for the crab *Scylla serrata* (Forsk.) at  
Tuticorin during 1974-75.  
Shanmugam, S.; Bensam, P.  
Indian journal of fisheries; v. 27, (1/2), p. 102-110. ill.  
1980. (Cochin: Indian Council of Agricultural Research.)  
NAL Call No.: SH299.I5  
(10 ref.)

2149 1980  
The OTEC (Ocean Thermal Energy Conversion) project  
in Curacao: programme to produce electricity, freshwater  
and farmed fish.  
Jacques, J.M.; Beavis, A.M.; Meyer, C.P. de.  
Fish farming international; v. 7, (4), p. 18-20. ill., maps.  
Dec 1980. (London: Arthur J. Heighway.)  
NAL Call No.: SH151.F5  
(9 ref.)

2150 1980  
Oyster farming in New Zealand: aspects of management.



- Wyborn, P.  
Occasional publication - Fisheries Research Division;  
(27), p. 98-101. ill. 1980. (Wellington, New Zealand  
Ministry of Agriculture and Fisheries.)  
NAL Call No.: SH318.5.A1N4
- 2151** **1980**  
**Pacific Seaweed Aquaculture : Proceedings of a  
Symposium on Useful Algae, sponsored by the Pacific  
Area Sea Grant Advisory Program and the California  
Sea Grant College Program March 6, 7, 8, 1980 Pacific  
Grove, California.**  
Abbott, Isabella A.; Foster, Michael S.; Eklund, Louise  
F.  
La Jolla, Calif: California Sea Grant College Program,  
Institute of Marine Resources, University of California;  
1980. 228 p.: ill.; 28 cm.  
NAL Call No.: QK564.P3  
Symposium funded under grant no. NAA  
79AA-D-00138 to the University of Alaska from the  
NOAA.  
(Bibliography: p. 213-228.)
- 2152** **1980**  
**Perspectives on European lobster management (Includes  
regulations).**  
Bennett, D.B.  
The Biology and management of lobsters; v. 2, p.  
317-331. 1980. (New York: Academic Press.)  
NAL Call No.: QL444.M33B56  
(Includes 12 ref.)
- 2153** **1980**  
**The Philippine experience in integrated  
crop-livestock-fish farming systems.**  
Tan, E.O.  
Integrated crop-livestock-fish farming; p. 43-52. 1980.  
(Taipei, Taiwan (Agriculture Building, 14 Wen Chow  
Street): Food and Fertilizer Technology Center.)  
NAL Call No.: S603.5.I46  
(17 ref.)
- 2154** **1980**  
**PLANT GREENHOUSE IN MASSACHUSETTS  
CONVERTED TO RAISE MALAYSIAN PRAWN.**  
KEIFFER, E.  
AQUACULTURE MAGAZINE 6 (6), 52-54.  
Aquaculture Data Base No.: 8160
- 2155** **1980**  
**Plastic bag hauling of small live fish (Shipping method).**  
Martin, M.  
Aquaculture magazine; v. 7, (1), p. 40-41. ill. Nov/Dec  
1980. (Little Rock, Ark.: Briggs Associates, Inc.)  
NAL Call No.: SH1.C65
- 2156** **1980**  
**POLY CULTURE OF MILKFISH (CHANOS  
CHANOS FORSKAL), ALL-MALE NILE TILAPIA  
(TILAPIA NILOTICA) AND SNAKEHEAD  
(OPHICEPHALUS STRIATUS) IN FRESHWATER  
PONDS WITH SUPPLEMENTAL FEEDING.**  
CRUZ, W.M.; LAUDENCIA, I.L.  
AQUACULTURE 20 (3), 231-237.  
Aquaculture Data Base No.: 8082
- 2157** **1980**  
**POLY CULTURE OF MILKFISH (CHANOS  
CHANOS) AND MUD CRAB (SCYLLA SERRATA)  
AT TWO STOCKING DENSITIES.**  
LIJAUO, M.M.; PROSPERO, O.Q.; RODRIGUEZ,  
E.M.
- SEAFDEC QUARTERLY RESEARCH REPORT 4  
(4), 19-23.  
Aquaculture Data Base No.: 9684
- 2158** **1980**  
**POLY CULTURE OF MILKFISH (CHANOS  
CHANOS) AND TIGER PRAWN (PENAEUS  
MONODON FAB.) WITH AND WITHOUT  
SUPPLEMENTAL FEEDING.**  
VILLEGAS, C.T.; BALIAO, D.D.  
SEAFDEC QUARTERLY RESEARCH REPORT 4  
(3), 12-14.  
Aquaculture Data Base No.: 9678
- 2159** **1980**  
**POND CULTURE OF NILE TILAPIA.**  
GUERRERO, R.D., III  
ASIAN AQUACULTURE 3 (11), 4-6.  
Aquaculture Data Base No.: 8349
- 2160** **1980**  
**Pond fish culture in the face of a new chance I.**  
Gospodarka stawowa przed nowa szansa. I. POLISH.  
Zuber, S.  
Nowe rolnictwo; v. 29, (5/6), p. 27-29. Mar 1980.  
(Warszawa: Panstwowe Wydawn. Rolnicze i Lesne.)  
NAL Call No.: 20.5 N86
- 2161** **1980**  
**Pond fish culture in the face of a new chance. II.**  
Gospodarka stawowa przed nowa szansa. II.  
Zuber, S.  
Nowe rolnictwo; v. 29, (7/8), p. 32-35. Apr 1980.  
(Warszawa: Panstwowe Wydawn. Rolnicze i Lesne.)  
NAL Call No.: 20.5 N86
- 2162** **1980**  
**THE POND SAGA (PART 3).**  
PINKS, R.  
THE AQUARIST AND PONDKEEPER 45 (2), 38-39.  
Aquaculture Data Base No.: 8112
- 2163** **1980**  
**THE POND SAGA - PART 5.**  
PINKS, R.  
THE AQUARIST AND PONDKEEPER 45 (6), 45-46.  
Aquaculture Data Base No.: 8631
- 2164** **1980**  
**Pond-net fish rearing. Confinamento de peixes em  
tanques-rede. PORTUGUESE.**  
Castagnolli, N.; Torrieri Junior, O.  
Sao Paulo: A Sociedade; Nov 1980. p. 1513-1517.  
NAL Call No.: Q33.C5  
Literature review.  
(26 ref.)
- 2165** **1980**  
**The potential of Tilapia in United States aquaculture.**  
Suffern, J.S.  
Aquaculture magazine; v. 6, (6), p. 14-18. ill. Sept/Oct  
1980. (Little Rock, Ark.: Briggs Associates, Inc.)  
NAL Call No.: SH1.C65
- 2166** **1980**  
**PRELIMINARY EXPERIMENTS IN PRAWN  
CULTURE AT SANTHOME BRACKISHWATER  
FARM, MADRAS.**  
SUNDARARAJAN, D.; BOSE, S.V.C.;  
VENKATESAN, V.

PROCEEDINGS OF THE FIRST NATIONAL SYMPOSIUM ON SHRIMP FARMING, BOMBAY, 16-18 AUG., 1978, THE MARINE PRODUCTS EXPORT DEVELOPMENT AUTHORITY, 143-146. Aquaculture Data Base No.: 9257

2167 1980  
A preliminary report on cow manure biogas production and utilization in an integrated farm system at the Alabang Dairy Project (for chlorella culture, fish production and crop cultivation).  
Alviar, C.J.; Baoy, G.T.; Castillo, A.C.; Averion, M.O.; Elefano, S.C.; Santos, R.; Benet, R.; Hocon, R. Philippine journal of animal industry; v. 35, (1/4), p. 1-10. ill. First/Fourth Quarter 1980. (Manila: Bureau of Animal Industry of the Philippines.)  
NAL Call No.: 49.9 P53P  
(10 ref.)

2168 1980  
PRELIMINARY RESULTS OF INTEGRATED PIG-FISH AND DUCK-FISH PRODUCTION TESTS. CRUZ, E.M.; SHEHADEH, Z.H. ICLARM CONFERENCE PROCEEDINGS 4, INTEGRATED AGRICULTURE-AQUACULTURE FARMING SYSTEMS, MANILA, PHILIPPINES, 6-9 AUGUST 1979, 225-238.  
Aquaculture Data Base No.: 8858

2169 1980  
PRODUCTION OF CRAYFISH IN RICE FIELDS. CHIEN, Y.-H.; AVAULT, J.W., JR. THE PROGRESSIVE FISH-CULTURIST 42 (2), 67-71.  
Aquaculture Data Base No.: 7831

2170 1980  
Production of Marron in Western Australian wheatbelt farm dams. Marrissy, N. M. Perth: Western Australian Marine Research Laboratories, Dept. of Fisheries and Wildlife; 1980. 79 p.: ill., graphs.  
NAL Call No.: SH317.A1W4 no.24  
(Western Australian Marine Research Laboratories. Fisheries research bulletin ; no. 24)  
(Bibliography: p. 20-22.)

2171 1980  
PRODUCTION TRIALS FOR MONOCULTURE AND POLYCULTURE OF WHITE SHRIMP (PENAEUS VANNAMEI) OR BLUE SHRIMP (P.STYLIROSTRIS) WITH FLORIDA POMPAO (TRACHINOTUS CAROLINUS) IN ALABAMA, 1978-1979. TRIMBLE, W.C. PROCEEDINGS OF THE ELEVENTH ANNUAL MEETING, WORLD MARICULTURE SOCIETY, NEW ORLEANS, LOUISIANA, MARCH 5-8, 1980, 44-59.  
Aquaculture Data Base No.: 9014

2172 1980  
PROGRESS AND PROSPECTS FOR FIELD CULTIVATION OF IRIDAEA CORDATA AND GIGARTINA EXASPERATA. MUMFORD, T.E., JR.; WAALAND, J.R.

PACIFIC SEAWEED AQUACULTURE, PROCEEDINGS OF A SYMPOSIUM ON USEFUL ALGAE, MARCH 6-8, 1980, PACIFIC GROVE, CALIFORNIA. CALIFORNIA SEA GRANT COLLEGE PROGRAM, 92-105.  
Aquaculture Data Base No.: 8356

2173 1980  
Prospects of brackish-water fish culture (Mugilidae) in the state of Rio Grande do Norte, Brazil. PORTUGUESE.  
Araujo, R.A. de.; Ramanathan, S.; Chellappa, N.T. Ciencia e cultura - Sociedade Brasileira para o Progresso da Ciencia; v. 32, (11), p. 1510-1513. ill. Nov 1980. (Sao Paulo: A Sociedade.)  
NAL Call No.: Q33.C5  
(3 ref.)

2174 1980  
PROSPECTS OF PERSPECTIVES IN PRAWN CULTURE. DWIVEDI, S.N. PROCEEDINGS OF THE FIRST NATIONAL SYMPOSIUM ON SHRIMP FARMING, BOMBAY, 16-18 AUG., 1978, THE MARINE PRODUCTS EXPORT DEVELOPMENT AUTHORITY, 243-250.  
Aquaculture Data Base No.: 9271

2175 1980  
PULICAT LAKE AS A GIANT POND FOR PRAWN CULTURE UNDER RURAL SCIENCE AND TECHNOLOGY. SANJEEJEEVA RAJ, P.J. PROCEEDINGS OF THE FIRST NATIONAL SYMPOSIUM ON SHRIMP FARMING, BOMBAY, 16-18 AUG., 1978, THE MARINE PRODUCTS EXPORT DEVELOPMENT AUTHORITY, 227-229.  
Aquaculture Data Base No.: 9268

2176 1980  
Quantitative ultrastructural investigations on synaptogenesis in the cerebellum and the optic tectum of light-reared and dark-rainbow trout (Salmo gairdneri Rich.). Zeutzius, I.; Rahmann, H. Differentiation; v. 17, (3), p. 181-186. ill. 1980. (Berlin, Springer.)  
NAL Call No.: QH607.D5  
(43 ref.)

2177 1980  
Quelques aspects de la culture du poisson et des crustaces en eau saumatre en Mediterranee = Aspects of brackishwater fish and crustacean culture in the Mediterranean. FRENCH. Rome: FAO; 1980. v, 131 p.: ill., map; 28 cm.  
NAL Call No.: SH1.F65 no.57  
Text in English and french.  
(Food and Agriculture Organization of the United Nations. General fisheries Council for the Mediterranean. Studies and reviews ; no. 57)  
(Includes bibliographies.)

2178 1980  
Rainbow trout : production and marketing. Lewis, M. R.



(Reading, Eng.): University of Reading, Dept. of Agricultural Economics and Management; 1980. 68 p.: ill.

NAL Call No.: 281.9 R22Ms No.68

(Reading, Eng. University. Dept. of Agricultural Economics and Management. Miscellaneous study ; no. 68)

(Bibliography: p. 63-66.)

2179 1980

**RAISING DUCKS ON FISH PONDS.**

WOYNAROVICH, E.

ICLARM CONFERENCE PROCEEDINGS 4, INTEGRATED AGRICULTURE-AQUACULTURE FARMING SYSTEMS, MANILA, PHILIPPINES, 6-9 AUGUST 1979, 129-134.

Aquaculture Data Base No.: 8850

2180 1980

**Raising fish in nets in a lake. Oppdrett av fisk i noter i innsjoer. NORWEGIAN.**

Kittelsen, A.

Aktuelt - Norway, Landbruksdepartementet, Opplysningstjeneste; (1), p. 359-362. ill. 1980. (Oslo: Det Tjeneste.)

NAL Call No.: S11.N68

2181 1980

**Rearing fish in rice fields (Africa). La rizipisciculture. FRENCH.**

Afrique agriculture; (61), p. 24-26. ill. Sept 1980. (Paris: Publiafric.)

NAL Call No.: S5.A35

2182 1980

**Rearing of early juveniles of spiny lobster Panulirus versicolor (Latreille) with notes on lobster fishery in Vizhinjam area.**

Kuthalingam, M.D.K.; Luther, G.; Lazarus, S.

Indian journal of fisheries; v. 27, (1/2), p. 17-23. ill.

1980. (Cochin: Indian Council of Agricultural Research)

NAL Call No.: SH299.I5

(11 ref.)

2183 1980

**REARING OF MACROBRACHIUM ROSENBERGII IN CEMENTED POND WITH RUNNING WATER AND IN KACHHA POND WITH STAGNANT WATER.**

PANICKER, P.K.R.; KADRI, E.S.

PROCEEDINGS OF THE FIRST NATIONAL SYMPOSIUM ON SHRIMP FARMING, BOMBAY, 16-18 AUG., 1978, THE MARINE PRODUCTS EXPORT DEVELOPMENT AUTHORITY, 149.

Aquaculture Data Base No.: 9259

2184 1980

**RECENT DEVELOPMENTS IN NSW OYSTER RESEARCH.**

WISELY, B.

AUSTALIAN FISHERIES 39 (9), 5-7, 9-10.

Aquaculture Data Base No.: 8419

2185 1980

**Refinements of the lime requirement procedure for fish ponds (Fish production).**

Boyd, C.E.; Cuenco, M.L.

Aquaculture; v. 21, (3), p. 293-299. Nov 1980.

(Amsterdam: Elsevier Scientific Publishing.)

NAL Call No.: SH1.A6

2186 1980

**Review of cage culture activity indicates continuing interest (for rearing catfish and trout in the United States, especially in Arkansas).**

Newton, S.H.

Aquaculture magazine; v. 7, (1), p. 32-36. ill. Nov/Dec 1980. (Little Rock, Ark.: Briggs Associates, Inc.)

NAL Call No.: SH1.C65

2187 1980

**Review of the Florida spiny lobster resource (Crawfish Panulirus argus).**

Simmons, D.C.

Fisheries; v. 5, (4), p. 37-42. ill., map. July/Aug 1980.

(Bethesda, Md.: American Fisheries Society.)

NAL Call No.: SH1.F54

(27 ref.)

2188 1980

**The role of fishery management in counteracting eutrophication processes (Carp, Cyprinus carpio, silver carp, Hypophthalmichthys molitrix).**

Opuszynski, K.

Proceedings ... Hypertrophic ecosystems; (pub. 1980), p. 263-269. 1979 (pub. 1980). (The Hague: W. Junk.)

NAL Call No.: QH96.8.E9S54

(Includes 18 ref.)

2189 1980

**SA OYSTER PROJECT TO PRODUCE IN 1980.**

BOWERMAN, M.

AUSTRALIAN FISHERIES 39 (3), 40.

Aquaculture Data Base No.: 8068

2190 1980

**Salmon country.**

Byrne, Jack.

Auckland (N.Z.): Collins; 1980. 174 p., (17) p. of plates: ill. (some col.); 22 cm.

NAL Call No.: SH684.B97

Inciudes index.

(Bibliography: p. 169-170.)

2191 1980

**Salmon ranching.**

Thorpe, John E.

London: New York; Academic Press - 1980. x, 441 p.: ill.; 24 cm.

NAL Call No.: SH167.S17S26

(Includes bibliographies and index.)

2192 1980

**SALMON RANCHING. CHAPTER 3. SALMON RANCHING IN WASHINGTON STATE.**

DONALDSON, L.R.

SALMON RANCHING, ACADEMIC PRESS, 29-45.

Aquaculture Data Base No.: 9086

2193 1980

**SALMON RANCHING. CHAPTER 7. SALMON RANCHING IN THE ATLANTIC MARITIME PROVINCES OF CANADA.**

RITTER, J.A.; CAREY, T.G.

SALMON RANCHING, ACADEMIC PRESS, 109-130.  
Aquaculture Data Base No.: 9090

2194 1980  
SALMON RANCHING. CHAPTER 8. SALMON RANCHING IN ICELAND.  
ISAKSSON, A.  
SALMON RANCHING, ACADEMIC PRESS, 131-156.  
Aquaculture Data Base No.: 9091

2195 1980  
Sampling (fish population) problems in ponds containing several mugilid species (*Mugil cephalus*, *Liza aurata*, *Liza ramada* and *Chelon labrosus fry*).  
Chervinski, J.  
Bamidgeh. = Bulletin of Fish Culture in Israel; v. 32, (4), p. 114-115. Dec 1980. (Nir-David: Joint Agricultural Extension Centre.)  
NAL Call No.: 414.8 B21  
(4 ref.)

2196 1980  
Sarawak Inland fisheries and aquaculture development program on integrated farming (Malaysia).  
Bian, O.K.  
Integrated crop-livestock-fish farming; p. 76-77. 1980. (Taipei, Taiwan (Agriculture Building, 14 Wen Chow Street): Food and Fertilizer Technology Center.)  
NAL Call No.: S603.5.146

2197 1980  
Seaweed (*Eucheuma spinosum*) farming as alternative income for small-scale fishermen: a case study (Philippines).  
Smith, I.R.; Pestano-Smith, R.  
Symposium on the Development and Management of Small-Scale Fisheries : proceedings of the 19th session, Indo-Pacific Fishery Commission, Kyoto, Japan, 21-30 May 1980; p. 715-729. map. 1980. (Bangkok: FAO Regional Office for Asia and the Pacific.)  
NAL Call No.: SH1.I5  
(2 ref.)

2198 1980  
Semi-intensive culture of *Heteropneustes fossilis* (Block) from a small pond at Ulubari Fish Farm, Gauhati through monoculture experiment (India).  
Pathak, S.C.; Yadava, Y.S.; Kohli, M.P.S.  
Symposium on the Development and Management of Small-Scale Fisheries : proceedings of the 19th session, Indo-Pacific Fishery Commission, Kyoto, Japan, 21-30 May 1980; p. 539-547. ill. 1980. (Bangkok: FAO Regional Office for Asia and the Pacific.)  
NAL Call No.: SH1.I5  
(9 ref.)

2199 1980  
Shetland fisheries--conservation and development.  
Goodlad, J.H.  
Marine policy; v. 4, (3), p. 244-245. map. July 1980. (Haywards Heath, Sussex: IPC Business Press.)  
NAL Call No.: GC1000.M33

2200 1980  
SHRIMP FARMING - A NEW DIMENSION TO THE SCIENTIFIC UTILIZATION OF OUR AQUATIC WEALTH.  
SWAMINATHAN, M.S.

PROCEEDINGS OF THE FIRST NATIONAL SYMPOSIUM ON SHRIMP FARMING, BOMBAY, 16-18 AUG. 1978, THE MARINE PRODUCTS EXPORT DEVELOPMENT AUTHORITY, 1-10.  
Aquaculture Data Base No.: 9234

2201 1980  
Shrimp farming in thermal effluents. Relationship between carrying capacity and growth rate. Utilizzazione di scarichi termici in crostaceicoltura, rapporto tra tasso di accrescimento e "carrying capacity". ITALIAN.  
Palmeo, G.; Saroglia, M.G.  
Atti; Serie B: Memorie - Societa toscana di scienze naturali; v. 86, (suppl.), p. 123-126. ill. 1979 (pub. 1980). (Pisa: La Societa.)  
NAL Call No.: 507 SO12  
(4 ref.)

2202 1980  
SHRIMP SPAWN IN CAPTIVITY.  
BROUSSARD, A.  
SEA GRANT TODAY 10 (3), 14-16.  
Aquaculture Data Base No.: 7894

2203 1980  
Shrimps of the Pacific coast of Canada.  
Butler, T. H.  
Ottawa: Canada Dept. of Fisheries and Oceans; 1980. ix, 280 p.: ill. (some col.); 26 cm.  
NAL Call No.: 414.9 C162B No.202  
Includes index.  
(Canadian bulletin of fisheries and aquatic sciences ; 202)  
(Bibliography: p. 263-272.)

2204 1980  
SIMPLE LABORATORY SYSTEMS AS WATER-REUSE AQUACULTURE/HATCHERY UNITS FOR AQUACULTURE RESEARCH PROGRAM.  
PIERCE, B.A.; OMAN, E.M.; CHAPUT, L.W.; STUDESTROD, J.E.  
THE JOURNAL OF AQUACULTURE 1 (4), 73-76.  
Aquaculture Data Base No.: 8975

2205 1980  
SITE SELECTION AND TYPES OF FARMS FOR COASTAL AQUACULTURE OF PRAWNS.  
MUTHU, M.S.  
PROCEEDINGS OF THE FIRST NATIONAL SYMPOSIUM ON SHRIMP FARMING, BOMBAY, 16-18 AUG., 1978, THE MARINE PRODUCTS EXPORT DEVELOPMENT AUTHORITY, 97-106.  
Aquaculture Data Base No.: 9250

2206 1980  
Six tons of catfish per acre with constant aeration (Fish farming).  
Plemmons, B.; Avault, J.W., Jr.  
Louisiana agriculture - Louisiana Agricultural Experiment Station; v. 23, (4), p. 6-7, 9. ill. Summer 1980. (Baton Rouge: The Station.)  
NAL Call No.: 100 L939

2207 1980  
SIX TONS OF CATFISH WITH AERATION IN ONE ACRE OF WATER.  
AVALULT, J.W., JR.



AQUACULTURE MAGAZINE 7 (1), 44.  
Aquaculture Data Base No.: 8400

2208 1980

The small-scale backyard penaeid shrimp hatchery: results of Jepara study.  
Nurdjana, M.L.; Martosudarmo, B.; Adisukresno, S.; Tiensongrusmee, B.  
Symposium on the Development and Management of Small-Scale Fisheries : proceedings of the 19th session, Indo-Pacific Fishery Commission, Kyoto, Japan, 21-30 May 1980; p. 730-739. ill. 1980. (Bangkok: FAO Regional Office for Asia and the Pacific.)  
NAL Call No.: SH1.I5

2209 1980

Smolt rearing and the Baltic salmon fishery (*Salmo salar*).  
Larsson, P.O.  
Salmon ranching, edited by John Thorpe; p. 157-186. ill. maps. 1980. (London: New York,)  
NAL Call No.: SH167.S17S26  
(Bibliography p. 182-186.)

2210 1980

SOME ASPECTS OF THE CONTROLLED PRODUCTION OF THE BAY SCALLOP (*ARGOPECTEN IRRADIANS*).  
RHODES, E.W.; WIDMAN, J.C.  
PROCEEDINGS OF THE ELEVENTH ANNUAL MEETING, WORLD MARICULTURE SOCIETY, NEW ORLEANS, LOUISIANA, MARCH 5-8, 1980, 235-246.  
Aquaculture Data Base No.: 9034

2211 1980

Spiny lobster fisheries management (Western Australia).  
Bowen, B.K.  
The Biology and management of lobsters; v. 2, p. 243-264. ill., map. 1980. (New York: Academic Press.)  
NAL Call No.: QL444.M33B56  
(Includes 2 p. ref.)

2212 1980

Sport and commercial fishing conflicts: a theoretical analysis.  
Bishop, R.C.; Samples, K.C.  
Journal of environmental economics and management; v. 7, (3), p. 220-233. Sept 1980. (New York: Academic Press.)  
NAL Call No.: HC79.P55J6  
(14 ref.)

2213 1980

Spreading of the Italian eel industry. Diffusione in Italia dell'elicoltura. ITALIAN.  
Avagnina, G.  
Informatore zootecnico; v. 27, (9), p. 83-84. ill. May 15, 1980. (Bologna: Edagricole.)  
NAL Call No.: 49 IN3

2214 1980

State stocking policies for small warmwater impoundments (Largemouth bass *Micropterus salmoides*, bluegill *Lepomis macrochirus*, redear sunfish, *Lepomis microlophus*, in the southeastern states of USA).  
Modde, T.

Fisheries; v. 5, (5), p. 13-17. map. Sept/Oct 1980. (Bethesda, Md.: American Fisheries Society.)  
NAL Call No.: SH1.F54  
(17 ref.)

2215 1980

THE STATUS OF MACROBRACHIUM FARMING IN THAILAND.  
SINGHOLKA, S.; NEW, M.B.; VORASAYAN, P.  
PROCEEDINGS OF THE ELEVENTH ANNUAL MEETING, WORLD MARICULTURE SOCIETY, NEW ORLEANS, LOUISIANA, MARCH 5-8, 1980, 60-72.  
Aquaculture Data Base No.: 9015

2216 1980

Stocking rate and the growth and yield of landlocked Atlantic salmon (*Salmo salar*) at Long Pond, Maine.  
Havey, K.A.  
Transactions of the American Fisheries Society; v. 109, (5), p. 502-510. ill. Sept 1980. (Lawrence, Kan.: The Society.)  
NAL Call No.: 414.9 AM3  
(25 ref.)

2217 1980

STRATEGY FOR COMMERCIAL SHRIMP FARMING.  
CHIDAMBARAM, K.  
PROCEEDINGS OF THE FIRST NATIONAL SYMPOSIUM ON SHRIMP FARMING, BOMBAY, 16-18 AUG., 1978, THE MARINE PRODUCTS EXPORT DEVELOPMENT AUTHORITY, 219-225.  
Aquaculture Data Base No.: 9267

2218 1980

Suggestion for fish production in recently closed ponds. Proposition de production piscicole dans des bassins fermes recents. FRENCH.  
Maeseneer, J. de.  
Revue de l'agriculture; v. 33, (6), p. 1323-1336. ill. Nov/Dec 1980. (Bruxelles: Ministere de l'agriculture.)  
NAL Call No.: 13 R322  
(8 ref.)

2219 1980

Summary of fish culture techniques in solar-algae ponds.  
Wolfe, J.; Zweig, R.  
The Journal of the new alchemists; (6), p. 97-100. ill. 1980. (Woods Hole, Mass.: New Alchemy Institute.)  
NAL Call No.: GF1.J6

2220 1980

A summary of instream flow methods for fisheries and related research needs.  
Wesche, Thomas A.  
Laramie: Water Resources Research Institute, University of Wyoming; 1980. 122 p.: ill.  
NAL Call No.: aSD1.E5 No.9  
Issued July 1980 Prepared from a three volume report to the U.S. Dept. of Agriculture, Forest Service under Cooperative Agreement 16-556-CA entitled "Determining instream flows for management of aquatic and riparian ecosystems."  
(Includes bibliographies.)

2221 1980

Survey of current practices and problems in the Mississippi catfish industry (Farming practices).  
Reagan, R.E. Jr.

Proceedings of the ... annual conference Southeastern Association of Fish and Wildlife Agencies; (34th), p. 127-130. 1980. ((s.l.): The Association.)  
 NAL Call No.: SK1.S6  
 (Includes 1 ref.)

2222 1980  
**Survey on pond culture in two villages in Dacca district (Fish culture).**  
 Mollah, M.F.A.  
 Bangladesh journal of agricultural sciences; v. 7, (1), p. 39-42. Jan 1980. (Mymensingh: Bangladesh Agricultural University, Old Boys' Association.)  
 NAL Call No.: S3.B3  
 (Includes 3 ref.)

2223 1980  
**Sweden develops a closed system (Fish culture).**  
 Jernelov, A.; Kossmann, H.; Martin, J.  
 Fish farming international; v. 7, (4), p. 7. ill. Dec 1980. (London: Arthur J. Heighway.)  
 NAL Call No.: SH151.F5

2224 1980  
**TECHNIQUES OF EEL CULTURE IN GREENHOUSES.**  
 RICKARDS, W.L.  
 UNIVERSITY OF NORTH CAROLINA SEA GRANT PUBLICATION, WORKING PAPER NO. 80-1, 1-77.  
 Aquaculture Data Base No.: 8384

2225 1980  
**Techniques to monitor recruitment of postlarval spiny lobsters, Panulirus argus, to the Florida Keys (in managing intensive commercial and recreational fisheries, population dynamics).**  
 Little, E.J. Jr.; Milano, G.R.  
 Florida marine research publications; (37), 16 p. ill., map. Sept 1980. (St. Petersburg: Florida Dept. of Natural Resources, Marine Research Laboratory.)  
 NAL Call No.: GC1021.F6F5  
 (14 ref.)

2226 1980  
**A THEORETICAL COMPARISON OF WASTE TREATMENT PROCESSING PONDS AND FISH PRODUCT PONDS RECEIVING ANIMAL WASTES.**  
 NASH, C.E.; BROWN, C.M.  
 ICLARM CONFERENCE PROCEEDINGS 4, INTEGRATED AGRICULTURE-AQUACULTURE FARMING SYSTEMS, MANILA, PHILIPPINES, 6-9 AUGUST 1979, 87-97.  
 Aquaculture Data Base No.: 8846

2227 1980  
**They now net more fish (Fish farming in Orissa).**  
 Sinhababu, D.P.; Kanaujia, A.R.; Siveraj, C.  
 Intensive agriculture; v. 17, (11), p. 5. Jan 1980. (New Delhi: Directorate of Extension, Ministry of Agri. & Irrigation.)  
 NAL Call No.: 22 IN8

2228 1980  
**TOM REED'S VISION, HARD WORK WRITE CATFISH FARMING SUCCESS STORY.**  
 LYNCH, T.

AQUACULTURE MAGAZINE 6 (5), 26-28.  
 Aquaculture Data Base No.: 8002

2229 1980  
**Transportation of (tilapia) fish stock (Brazil). Transporte de matrizes.**  
 Silva, J.M.F. da.  
 Informe agropecuario - Empresa de Pesquisa Agropecuaria de Minas Gerais; v. 6, (67), p. 50-51. ill. July 1980. (Belo Horizonte: A Empresa.)  
 NAL Call No.: HD1875.M5E5

2230 1980  
**TROPICAL FISH FARMING.**  
 FORD, D.  
 THE AQUARIST AND PONDKEEPER 45 (1), 40-44.  
 Aquaculture Data Base No.: 7842

2231 1980  
**TROPICAL FRESHWATER FISH CULTURE: A COVERED POND IMPROVES PLANKTON AND FRY PRODUCTION.**  
 GREEN, L.C.; MERRICK, J.R.  
 AQUACULTURE 19 (4), 389-394.  
 Aquaculture Data Base No.: 7830

2232 1980  
**Tropical oysters : culture and methods.**  
 Quayle, D. B.  
 Ottawa, Ont: International Development Research Centre; 1980. 80 p.: ill.; 25 cm.  
 NAL Call No.: SH367.T6Q3  
 Also available in Spanish (SH367.T6Q32), French, and on microfiche.  
 (IDRC / International Development Research Centre TS17e)  
 (Bibliography: p. 79-80.)

2233 1980  
**Trout breeding. Forelevodstvo. RUSSIAN.**  
 Titarev, E. F.  
 Moskva (113035, Moskva, M-35, 1-i Kadashevskii per., d.12.): Pishchevaia promyshlennost'; 1980. 166 p.: ill., maps; 22 cm.  
 NAL Call No.: SH167.T86F6  
 (Bibliography: p. 160-165.)

2234 1980  
**Trout farming manual.**  
 Stevenson, John P.  
 Farnham: Fishing News Books; 1980. xi, 186 p.  
 NAL Call No.: SH167.T86S73  
 Includes index.  
 (Bibliography: p. 177-178.)

2235 1980  
**Troutwatcher reports wild fish suffer from stocking.**  
 Bachman, R.  
 Fishing world; v. 27, (5), p. 54-55, 64. ill. Sept/Oct 1980. (Floral Park, N.Y.: Allsport Publishing Co.)  
 NAL Call No.: SH401.F5

2236 1980  
**Umbellate-type installations for fish protection (in fenced-off portion of water reservoir, USSR). RUSSIAN.**  
 Podlasov, A.V.; Fil'chagov, L.P.; Bol'shov, A.M.



Gidrotehnika i melioratsiia; (5), p. 36-38. ill., map. May 1980. (Moskva: "Kolos".)  
 NAL Call No.: 290.8 G362  
 (3 ref.)

2237 1980  
**The use of a model system for studying seaward migration of Deschutes River (hatchery reared) juvenile spring chinook salmon (*Oncorhynchus tshawytscha*).**  
 Hart, C.E.; Concannon, G.; Fustish, C.A.; Ewing, R.D. Information report series, fisheries; (80-5), 20 p. ill., map. 1980. (Corvallis: Oregon Department of Fish and Wildlife, Research and Development Section.)  
 NAL Call No.: SH1.I55  
 (10 ref.)

2238 1980  
**Uses of hydrated lime in fish ponds.**  
 Hansell, D.A.; Boyd, C.E. Proceedings of the ... annual conference Southeastern Association of Fish and Wildlife Agencies; (34th), p. 49-58. ill. 1980. ((s.l.): The Association.)  
 NAL Call No.: SK1.S6  
 (Includes 11 ref.)

2239 1980  
**Using all reserves for increasing fish production in Gera County (East Germany). Nutzung aller Reserven zur Steigerung der Fischproduktion im Bezirk Gera. GERMAN.**  
 Wittig, H. Kooperation; v. 14, (8), p. 365-366. Aug 1980. (Berlin: VEB Deutscher Landwirtschaftsverlag.)  
 NAL Call No.: HD1491.G3K6

2240 1980  
**Variable walleye fry stocking rates in Boyd Reservoir, Colorado.**  
 Puttmann, Steve J. (Denver, Colo.): State of Colorado, Division of Wildlife; 1980. viii, 47 p.: ill., map; 23 cm.  
 NAL Call No.: 412.9 C715T No.33  
 "A study by the Fish Research Section, Colorado Division of Wildlife, Warmwater Fisheries Investigations, Projects F-34-R and F-52-R, Federal Aid in Wildlife Restoration."  
 (Technical publication / Colorado. Division of Wildlife ; no. 32)  
 (Bibliography: p. 42-43.)

2241 1980  
**Very few initiatives in south-central Italy about trout culture. Ancora poche nel centro-sud le iniziative di trotticoltura. ITALIAN.**  
 Perillo, G.; Polidoro, V. Informatore zootecnico; v. 27, (19), p. 30-31. ill. Oct 15, 1980. (Bologna: Edagricole.)  
 NAL Call No.: 49 IN3

2242 1980  
**Washington State's salmon and steelhead resources : hearings before the Committee on Commerce, Science, and Transportation, United States Senate, Ninety-sixth Congress, second session, on S. 2163 ... February 11 and 12, 1980.**  
 Washington: U.S. Govt. Print. Off; 1980. iv, 208 p.; 24 cm.  
 NAL Call No.: KF26.C69 1980a  
 "Serial no. 96-80."

2243 1980

**Water quality control and management of animal wastes through culture with selected fishes : final report Project A-083-ILL.**  
 Buck, David Homer; Baur, Richard J. Urbana: University of Illinois, Water Resources Center; 1980. xi, 118 p.: ill.; 28 cm.  
 NAL Call No.: TC424.I3I4 No.151

Partially Sponsored by the U.S. Dept. of Interior in accordance with the Water Resources Research and Development Act of 1978, PL. 95-467, Agreement no. 14-34-001-8015.  
 (Illinois. University. Water Resources Center. WRC research report ; no. 151)  
 (Bibliography: p. 73-77.)

2244 1980  
**WATER REUSE AQUACULTURE SYSTEMS IN TWO SOLAR GREENHOUSES IN NORTHERN VERMONT.**  
 PIERCE, B.A. PROCEEDINGS OF THE ELEVENTH ANNUAL MEETING, WORLD MARICULTURE SOCIETY, NEW ORLEANS, LOUISIANA, MARCH 5-8, 1980, 118-127.  
 Aquaculture Data Base No.: 9020

2245 1980  
**Willamette spring chinook salmon adults : bibliography.**  
 Smith, Eugene M. Corvallis: Oregon Dept. of Fish and Wildlife, Research and Development Section; 1980. i, 10 p.  
 NAL Call No.: SH1.I55 No.80-3  
 (Information report series, fisheries ; no. 80-3)

2246 1980  
**WINTER CULTURE OF PENAEUS VANNAMEI IN PONDS RECEIVING THERMAL EFFLUENT AT DIFFERENT RATES.**  
 CHAMBERLAIN, G.W.; HUTCHINS, D.L.; LAWRENCE, A.L.; PARKER, J.C. PROCEEDINGS OF THE ELEVENTH ANNUAL MEETING; WORLD MARICULTURE SOCIETY, NEW ORLEANS, LOUISIANA, MARCH 5-8, 1980, 30-43.  
 Aquaculture Data Base No.: 9013

2247 1980  
**YIELD CHARACTERISTICS OF THE PRAWN MACROBRACHIUM ROSENBERGII IN TEMPERATE ZONE AQUACULTURE.**  
 BRODY, T.; COHEN, D.; BARNES, A.; SPECTOR, A. AQUACULTURE 21 (4), 375-385.  
 Aquaculture Data Base No.: 8475

2248 1980  
**1979 Cedar Lake fish stock assessment program.**  
 Lysack, W. (Winnepeg): Manitoba Dept. of Natural Resources, Fisheries Branch; 1980. v, 45 p.: ill., map; 28 cm.  
 NAL Call No.: SH329.2.M3L9  
 Cover title.  
 (MS report ; no. 80-17)  
 (Bibliography: p. 42-43.)

1979

2249 1979  
**AFRICA TILAPIA FARM SHOWS THE PROFIT POTENTIAL.**  
 BALARIN, J.D.

FISH FARMING INTERNATIONAL 6 (2), 16-18.  
 Aquaculture Data Base No.: 6851

2250 1979  
 Age, growth, and population trends of striped bass, *Morone saxatilis*, in Oregon.  
 McGie, Alan M.  
 Corvallis: Oregon Dept. of Fish and Wildlife, Research and Development Section; 1979. 57 p.  
 NAL Call No.: SH1.I55 No.79-8  
 (Information report series, fisheries ; no. 79-8)  
 (Bibliography: p. 54-57.)

2251 1979  
 AQUACULTURE AND ALGAE CULTURE - PROCESSES AND PRODUCTS. ALGAE PRODUCTION PROCESSES AND PRODUCTS.  
 WATSON, A.S.  
 AQUACULTURE AND ALGAE CULTURE (FOOD TECHNOLOGY REVIEW NO.53), NOYES DATA CORPORATION, 204-265.  
 Aquaculture Data Base No.: 8651

2252 1979  
 AQUACULTURE AND ALGAE CULTURE - PROCESSES AND PRODUCTS. INTRODUCTION.  
 WATSON, A.S.  
 AQUACULTURE AND ALGAE CULTURE (FOOD TECHNOLOGY REVIEW NO.53), NOYES DATA CORPORATION, 1-6.  
 Aquaculture Data Base No.: 8646

2253 1979  
 AQUACULTURE AND ALGAE CULTURE - PROCESSES AND PRODUCTS. PRODUCTION TECHNIQUES FOR FISH.  
 WATSON, A.S.  
 AQUACULTURE AND ALGAE CULTURE (FOOD TECHNOLOGY REVIEW NO.53), NOYES DATA CORPORATION, 185-203.  
 Aquaculture Data Base No.: 8650

2254 1979  
 AQUACULTURE AND ALGAE CULTURE - PROCESSES AND PRODUCTS. STEPS IN AQUACULTURE PRODUCTION PROCESSES.  
 WATSON, A.S.  
 AQUACULTURE AND ALGAE CULTURE (FOOD TECHNOLOGY REVIEW NO.53), NOYES DATA CORPORATION, 27-184.  
 Aquaculture Data Base No.: 8666

2255 1979  
 AQUACULTURE AND PROSPECTS OF CAGE AND PEN CULTURE IN NIGERIA.  
 IKOTUN, S.J.; OMOLOYIN, O.  
 INTERNATIONAL WORKSHOP ON CAGE AND PEN CULTURE OF FISH, SEAFDEC AQUACULTURE DEPT. AND IDRC, 97-98.  
 Aquaculture Data Base No.: 9777

2256 1979  
 AN AQUACULTURE PILOT PLANT FOR LOBSTERS.  
 TURNER, L.S.; ZAHRADNIK, J.W.; TERRY, O.W.

NEW YORK SEA GRANT INSTITUTE,  
 NYSG-RS-79-24, 83 PP.  
 Aquaculture Data Base No.: 8811

2257 1979  
 AQUACULTURE SYSTEMS FOR WASTEWATER TREATMENT: SEMINAR OVERVIEW.  
 MARTIN, C.V.; INOUYE, T.T.  
 AQUACULTURE SYSTEMS FOR WASTEWATER TREATMENT, SEMINAR PROCEEDINGS AND ENGINEERING ASSESSMENT, EPA 430/9-80-006, 15-17.  
 Aquaculture Data Base No.: 9105

2258 1979  
 Aquatic macrophytes in the Amazon Valley lowlands and their potential use in agriculture. *Macrófitas aquáticas nas várzeas da Amazônia e possibilidades do seu uso na agropecuária.*  
 Junk, Wolfgang J.  
 (Manaus-Am): INPA; 1979. 23 p.  
 NAL Call No.: SB423.J8  
 At head of title: Conselho Nacional de Desenvolvimento Científico e Tecnológico.  
 (Bibliography: p. 21-23.)

2259 1979  
 Assessment of structure of largemouth bass (*Micropterus salmoides*) stocks by sequential sampling.  
 Weithman, A.S.; Reynolds, J.B.; Simpson, D.E.  
 Proceedings of the ... annual conference - Southeastern Association of Fish and Wildlife Agencies; (33rd), p. 415-424. ill. 1979. (Columbia, S.C: The Association.)  
 NAL Call No.: SK1.S6  
 (8 ref.)

2260 1979  
 Barkley Lake Symposium: comparison of various mark-recapture techniques for estimating abundance of largemouth bass (*Micropterus salmoides*) in Barkley Lake, Kentucky.  
 Harris, F.A.; Ager, L.M.; Hayes, E.  
 Proceedings of the ... annual conference - Southeastern Association of Fish and Wildlife Agencies; (33rd), p. 703-709. ill. 1979. (Columbia, S.C: The Association.)  
 NAL Call No.: SK1.S6  
 (Bibliography p. 708-709.)

2261 1979  
 Barkley Lake Symposium: evaluation of standing crops of fishes in Crooked Creek Bay, Barkley Lake Kentucky (Sampling fish by the application of rotenone).  
 Aggus, L.R.; Carver, D.C.; Olmsted, L.L.; Rider, L.L.; Summers, G.L.  
 Proceedings of the ... annual conference - Southeastern Association of Fish and Wildlife Agencies; (33rd), p. 710-722. 1979. (Columbia, S.C: The Association.)  
 NAL Call No.: SK1.S6  
 (14 ref.)

2262 1979  
 Barkley Lake Symposium: Fish standing crop comparisons of tire and brush fish attractors in Barkley Lake, Kentucky (Channel catfish, *Ictalurus punctatus*, bluegill, *Lepomis macrochirus*, largemouth bass, *Micropterus salmoides*, and white crappie, *Pomoxis annularis*).  
 Pierce, B.E.; Hooper, G.R.



Proceedings of the ... annual conference - Southeastern Association of Fish and Wildlife Agencies; (33rd), p. 688-691. map. 1979. (Columbia, S.C: The Association.)  
 NAL Call No.: SK1.S6  
 (4 ref.)

2263 1979  
**BASS AND BLUEGILL: VARIETY FOR FEE FISHING.**  
 AVAULT, J.W., JR.  
 THE COMMERCIAL FISH FARMER & AQUACULTURE NEWS 5 (2), PG.37.  
 Aquaculture Data Base No.: 6344

2264 1979  
**CAGE AND PEN CULTURE IN SRI LANKA.**  
 JAYAMAHA, D.E.S.  
 INTERNATIONAL WORKSHOP ON CAGE AND PEN CULTURE OF FISH, SEAFDEC AQUACULTURE DEPT. AND IDRC, 121-123.  
 Aquaculture Data Base No.: 9780

2265 1979  
**Changes in catch rates following reduction of trout stocking density in fine Oregon streams.**  
 Moring, John R.  
 Corvallis: Oregon Dept. of Fish and Wildlife, Research and Development Section; 1979. 9 p.  
 NAL Call No.: SH1.I55 No.79-4  
 (Information report series, fisheries ; no. 79-4)

2266 1979  
**COMMENTS OF A BAYMAN.**  
 RHODES, T.B.  
 PROCEEDINGS OF THE SYMPOSIUM ON MARICULTURE IN NEW YORK STATE. SOUTHAMPTON, NEW YORK, OCTOBER 22, 1977. NEW YORK SEA GRANT INSTITUTE NYSGI-RP-79-01, 80-81.  
 Aquaculture Data Base No.: 7182

2267 1979  
**THE COMMERCIAL PRODUCTION OF OYSTERS IN AN INTENSIVE RACEWAY SYSTEM.**  
 SCURA, E.D.; KULJIS, A.M.; YORK, R.H., JR.; LEGOFF, R.S.  
 PROCEEDINGS OF THE 10TH ANNUAL MEETING, WMS, HONOLULU, HAWAII, JAN. 22-26, 1979, 624-630.  
 Aquaculture Data Base No.: 7969

2268 1979  
**Contribution, survival, and escapement of 1967-brood coho salmon salvaged and restocked into Tenmile Lakes, Oregon.**  
 McGie, Alan M.  
 Corvallis: Oregon Dept. of Fish and Wildlife, Research and Development Section; 1979. 27 p.: ill.  
 NAL Call No.: SH1.I55 No.79-3  
 (Information report series, fisheries ; no. 79-3)  
 (Bibliography: p. 22-24.)

2269 1979  
**CULTIVATION AND BIOENERGETICS OF THE AGAROPHYTE GRACILARIA TIKVAHIAE.**  
 HANISAK, M.D.

INTERNATIONAL COUNCIL FOR THE EXPLORATION OF THE SEA, MARICULTURE COMMITTEE PAPER F:24, 8 PP.  
 Aquaculture Data Base No.: 7627

2270 1979  
**The cultivation of algae and invertebrates in marine cultures.** Vyrashchivanie vodoroslei i bezpozvonochnykh v morskikh khoziaistvakh. RUSSIAN.  
 Lavrovskaya, Nina Fedorovna.  
 Moskva: "Pishchevaia promyshlennost'"; 1979. 122, (1) p.: ill.  
 NAL Call No.: SH138.L38  
 (Bibliography: p. 115-(123).)

2271 1979  
**THE CULTIVATION OF NATURAL STOCKS.**  
 LUCAS, C.C.  
 MARINE POLLUTION BULLETIN 10 (3), 69-73.  
 Aquaculture Data Base No.: 8009

2272 1979  
**DESIGN OF PROPOSED FISH CAGES FOR KEPATI LAKE IN BANGLADESH.**  
 CABANGBANG, B.C.  
 INTERNATIONAL WORKSHOP ON CAGE AND PEN CULTURE OF FISH, SEAFDEC AQUACULTURE DEPT. AND IDRC, 27-30.  
 Aquaculture Data Base No.: 9765

2273 1979  
**DEVELOPMENT AND PROGRESS OF AQUACULTURE IN EGYPT WITH SPECIAL REFERENCE TO CAGE AND PEN CULTURE.**  
 ISHAK, M.M.  
 INTERNATIONAL WORKSHOP ON CAGE AND PEN CULTURE OF FISH, SEAFDEC AQUACULTURE DEPT. AND IDRC, 31-32.  
 Aquaculture Data Base No.: 9766

2274 1979  
**DEVELOPMENT OF CIRCULAR FLOATING CAGES FOR MILKFISH BROODSTOCK AT THE SEAFDEC AQUACULTURE DEPARTMENT.**  
 YU, O.K.; VIZCARRA, A.T.; SITOY, H.S.  
 INTERNATIONAL WORKSHOP ON CAGE AND PEN CULTURE OF FISH, SEAFDEC AQUACULTURE DEPT. AND IDRC, 107-117.  
 Aquaculture Data Base No.: 9779

2275 1979  
**Development of fish culture research, Hungary : project findings and recommendations.**  
 Rome: Food and Agriculture Organization of the United Nations; 1979. vii, 75 p.: ill.; 28 cm.  
 NAL Call No.: SH101.H8D4  
 "FI:DP/HUN/71/512. Terminal report.  
 (Bibliography: p. 52-56.)

2276 1979  
**DREAMING IN MY OWN BACKYARD.**  
 TODD, J.  
 THE COMMERCIAL FISH FARMER AND AQUACULTURE NEWS 5 (4), 23-27.  
 Aquaculture Data Base No.: 6697

2277 1979  
**Duckweed as an aquatic crop: evaluation of clones for aquaculture (Amino acid composition and protein content).**

Porath, D.; Hefher, B.; Koton, A.  
 Aquatic botany; v. 7, (3), p. 273-278. ill. Nov 1979.  
 (Amsterdam: Elsevier Scientific.)  
 NAL Call No.: QK102.A65  
 (16 ref.)

2278 1979  
**Eel research and management : papers presented to an ICES.**  
 Thurow, F.  
 Charlottenlund Slot, Danemark: Conseil international pour l'exploration de la mer; 1979. 154 p.: ill., maps; 26 cm.  
 NAL Call No.: SH691.E4E3  
 (Rapports et proces-verbaux des reunions ; v. 174)  
 (Includes bibliographies.)

2279 1979  
**Electrophoretic studies of the blood serum proteins of this year's carp brood with varied density of stocking (Moscow Region, RSFSR).**  
 Volkova, S.I.  
 Doklady TSKhA - Timiriazevskaia sel'skokhoziaistvennaia akademiia; (255), p. 105-109. 1979. (Moskva: Akademiia.)  
 NAL Call No.: 20 M857  
 (8 ref.)

2280 1979  
**EUCHEUMA: A POTENTIAL AQUACULTURE CROP.**  
 DE LA PENA, M.J.L.  
 PROCEEDINGS OF THE FOURTH ANNUAL STUDENT SYMPOSIUM ON MARINE AFFAIRS, JAN. 11-13, 1979, UNIHI-SEAGRANT-MR-79-02, 99-105.  
 Aquaculture Data Base No.: 8627

2281 1979  
**THE EUROPEAN AND HUNGARIAN RESULTS OF CAGE CULTURE OF FISH.**  
 NULLER, F.  
 INTERNATIONAL WORKSHOP ON CAGE AND PEN CULTURE OF FISH, SEAFDEC AQUACULTURE DEPT. AND IDRC, 33-40.  
 Aquaculture Data Base No.: 9767

2282 1979  
**EVALUATION OF THE STRIPED BASS AS A POND-REARED FOOD FISH.**  
 WAWRONOWICZ, L.J.; LEWIS, W.M.  
 THE PROGRESSIVE FISH-CULTURIST 41 (3), 138-140.  
 Aquaculture Data Base No.: 7064

2283 1979  
**An examination on optimum mesh size (Fish production equipment).**  
 Yamada, S.; Miyasita, T.  
 Journal of the Tokyo University of Fisheries; v. 65, (2), p. 165-171. ill. Mar 30, 1979. (Tokyo: The University.)  
 NAL Call No.: 414.9 T57  
 (4 ref.)

2284 1979  
**Experimental culture of a flat oyster (Ostrea folium L.) in Malaysian waters.**  
 Ng, F.O.

The Malaysian agricultural journal; v. 52, (2), p. 103-113. ill. 1979. (Kuala Lumpur: Ministry of Agriculture.)  
 NAL Call No.: 22.5 F312  
 (11 ref.)

2285 1979  
**AN EXPERIMENTAL FIELD AQUARIUM.**  
 GERASIMOV, V.V.; NEKRASOV, A.P.  
 HYDROBIOLOGICAL JOURNAL 15 (4), 86-89.  
 Aquaculture Data Base No.: 8221

2286 1979  
**EXPERIMENTAL POND PRODUCTION OF MARROW, CHERAX TENUIMANUS (SMITH) (DECAPODA:PARASTACIDAE).**  
 MORRISSY, N.M.  
 AQUACULTURE 16 (4), 319-344.  
 Aquaculture Data Base No.: 6691

2287 1979  
**Farming fish and mussels--everyday food for 1980. Odlad fisk och musslor--vardagsmat pa 1980-talet. SWEDISH.**  
 Aniansson, B.  
 Var foda; v. 31, (8), p. 451-462. ill. 1979. (Uppsala: Statens livsmedelsverk.)  
 NAL Call No.: 389.8 V26

2288 1979  
**FARMING THE POND FOR PLEASURE AND PROFIT.**  
 HEDLUND, E.  
 FARM POND HARVEST 13 (2), 14-16, 24-25.  
 Aquaculture Data Base No.: 6774

2289 1979  
**The farms of the sea. Les fermes de la mer : description du programme de recherches aquicoles subventionne par le Centre de recherches pour le developpement international. FRENCH.**  
 Stanley, Bob.; Allsopp, W. H.; Davy, F. Brian.  
 Ottawa, Canada: Le Centre; 1979. 40 p.: ill.; 25 cm.  
 NAL Call No.: SH332.2.C2S78  
 (IDRC ; 120f)

2290 1979  
**FIN CLIPS IN THE EVALUATION OF STOCKING PROGRAMS FOR MUSKELLUNGE, ESOX MASQUINONGY.**  
 MCNEIL, F.I.; CROSSMAN, E.J.  
 TRANSACTIONS OF THE AMERICAN FISHERIES SOCIETY 108 (4), 335-343.  
 Aquaculture Data Base No.: 7047

2291 1979  
**FISH CULTURE IN THE UNITED STATES.**  
 LOVELL, R.T.  
 SCIENCE 206 (4425), 1368-1372.  
 Aquaculture Data Base No.: 7746

2292 1979  
**Fish farming in Europe.**  
 Corrie, John.



(London): European Conservative Group; 1979. 70 p.:  
graph, port.; 21 cm.  
NAL Call No.: SH67.C6  
(Includes bibliographical references.)

2293 1979  
FISH FARMING IN HAWAII: A LOST TRADITION  
REVIVED.  
NASH, C.E.  
ICLARM NEWSLETTER 2 (4), 2-5.  
Aquaculture Data Base No.: 7414

2294 1979  
Fish farming in Nepal.  
Augusthy, K. T.  
(Rampur): Augusthy; 1979. 147 p., (19) leaves of plates:  
ill.; 22 cm.  
NAL Call No.: SH117.N35A83 1979  
Errata slip inserted Includes index.  
(Bibliography: p. (131)-139.)

2295 1979  
FISH FARMING IN THE 1980'S.  
SCHMITTOU, R.  
THE COMMERCIAL FISH FARMER AND  
AQUACULTURE NEWS 5 (3), 18-21.  
Aquaculture Data Base No.: 6543

2296 1979  
FISH FARMING IN YOUR SOLAR GREENHOUSE.  
1. WHY RAISE FISH IN A SOLAR GREENHOUSE.  
HEAD, W.; SPLANE, J.  
FISH FARMING IN YOUR SOLAR GREENHOUSE.  
AMITY FOUNDATION, 3.  
Aquaculture Data Base No.: 7480

2297 1979  
FISH FARMING IN YOUR SOLAR GREENHOUSE.  
2. FISH NEEDS.  
HEAD, W.; SPLANE, J.  
FISH FARMING IN YOUR SOLAR GREENHOUSE.  
AMITY FOUNDATION, 4-14.  
Aquaculture Data Base No.: 7481

2298 1979  
FISH FARMING IN YOUR SOLAR GREENHOUSE.  
3. PUTTING FISH IN THE GREENHOUSE.  
HEAD, W.; SLANE, J.  
FISH FARMING IN YOUR SOLAR GREENHOUSE.  
AMITY FOUNDATION, 15-21.  
Aquaculture Data Base No.: 7482

2299 1979  
FISH FARMING IN YOUR SOLAR GREENHOUSE.  
4. FISH MANAGEMENT.  
HEAD, W.; SPLANE, J.  
FISH FARMING IN YOUR SOLAR GREENHOUSE.  
AMITY FOUNDATION, 22-29.  
Aquaculture Data Base No.: 7483

2300 1979  
FISH FARMING IN YOUR SOLAR GREENHOUSE.  
5. THE AMITY FISH HOUSE. BIBLIOGRAPHY.  
HEAD, W.; SPLANE, J.

FISH FARMING IN YOUR SOLAR GREENHOUSE.  
AMITY FOUNDATION, 30-43.  
Aquaculture Data Base No.: 7484

2301 1979  
FISH FARMING, THE STATE OF NEW YORK,  
AND MULTI-AQUACULTURE SYSTEMS, INC.  
VALENTI, R.J.  
PROCEEDINGS OF THE SYMPOSIUM ON  
MARICULTURE IN NEW YORK STATE.  
SOUTHAMPTON, NEW YORK, OCTOBER 22, 1977.  
NEW YORK SEA GRANT INSTITUTE  
NYSGI-RP-7901. 76-79.  
Aquaculture Data Base No.: 7183

2302 1979  
Fish for the farm dam.  
Ternouth, A.  
Agnotes - Melbourne, Dept. of Agriculture; (581/79), 2  
p. Mar 1979. (Melbourne: The Department.)  
NAL Call No.: S3.A36  
(1 ref.)

2303 1979  
The fish of streams, an example of eel rearing. L'ittica  
valdagri" un esempio di anguillicoltura. ITALIAN.  
Perillo, G.  
Informatore zootecnico; v. 26, (21), p. 46-47. ill. Nov 15,  
1979. (Bologna: Edagricole.)  
NAL Call No.: 49 IN3  
(1 ref.)

2304 1979  
THE FISH PEN INDUSTRY (OF THE  
PHILIPPINES): AN OVERVIEW (KEYNOTE  
ADDRESS).  
BAGUILAT, T.  
INTERNATIONAL WORKSHOP ON CAGE AND  
PEN CULTURE OF FISH, SEAFDEC  
AQUACULTURE DEPT. AND IDRC, 134-138.  
Aquaculture Data Base No.: 9784

2305 1979  
Fish population estimate methods evaluated by a total  
drawdown (Largemouth bass, Lake Columbia,  
Mississippi).  
Herring, J.  
Proceedings of the ... annual conference - Southeastern  
Association of Fish and Wildlife Agencies; (33rd), p.  
393-401. ill. 1979. (Columbia, S.C: The Association.)  
NAL Call No.: SK1.S6  
(19 ref.)

2306 1979  
FISHERIES AND FISH CULTURE IN ISRAEL IN  
1978.  
SARIG, S.  
BAMIDGEH 31 (4), 83-95.  
Aquaculture Data Base No.: 7577

2307 1979  
A FLOATING LABORATORY APPLIED TO  
CULTURE OF ABALONE AND ROCK SCALLOPS  
IN MISSION BAY, CALIFORNIA.  
LEIGHTON, D.L.

PROCEEDINGS OF THE 10TH ANNUAL MEETING, WMS, HONOLULU, HAWAII, JAN. 22-26, 1979, 349-356.  
Aquaculture Data Base No.: 7940

2308 1979  
THE GARDEN POND. EARLY SPRING PLANNING AND CONSTRUCTION.  
BOARDER, A.  
THE AQUARIST AND PONDKEEPER 43 (11), 460-462.  
Aquaculture Data Base No.: 6650

2309 1979  
GETTING INTO HOT WATER. THE USE OF REJECT HEAT IN AQUACULTURE.  
NIEVES, L.; WELLS, K.  
THE COMMERCIAL FISH FARMER & AQUACULTURE NEWS 5 (2), 12-14, 16.  
Aquaculture Data Base No.: 6337

2310 1979  
GROWING SHRIMP IN SOUTH CAROLINA.  
FLORIO, D.  
SEAGRANT '70S 9 (1), 4-6, 11.  
Aquaculture Data Base No.: 6432

2311 1979  
GROWING THE RED SWAMP CRAYFISH.  
HUNER, J.V.  
FISH FARMING INTERNATIONAL 6 (4), 24-25.  
Aquaculture Data Base No.: 8185

2312 1979  
HAWAII SEAFOOD PLANTATION 1981 (COMMERCIAL AQUACULTURE AUTOMATED).  
PRYOR, T.A.  
OCEANS 12 (2), 29-32.  
Aquaculture Data Base No.: 6418

2313 1979  
High quality stocking with fish, a guarantee of success (Pond fishery production, Rovno Region). UKRAINIAN.  
Korsak, T.S.O.  
Tvarynnystvo Ukrainy; (8), p. 42. Aug 1979. (Kyiv: Ministerstvo sil's'koho hospodarstva URSS.)  
NAL Call No.: 49 SO712

2314 1979  
HOMEMADE PARTS SPAWN B.C. SHELLFISH FARM.  
HANSON, A.  
NATIONAL FISHERMAN 60 (2), 58-59.  
Aquaculture Data Base No.: 6798

2315 1979  
Ichthyopathology and development of industrial fish farming (USSR). RUSSIAN.  
Kanaev, A.I.  
Veterinariia; (6), p. 67-69. June 1979. (Moskva: "Kolos".)  
NAL Call No.: 41.8 V6426

2316 1979  
Imperatives for an integrated crop-livestock-fish farming system (in Asia).  
Madamba, J.C.

Extension bulletin - ASPAC Food & Fertilizer Technology Center. Asian and Pacific Council. Food and Fertilizer Technology Center; (130), 7 p. ill. Oct 1979. (Taipei: The Center.)  
NAL Call No.: S631.A8  
(4 ref.)

2317 1979  
Influence of size, growth rate, and photoperiod on cyclic changes in gill (Na-K)-ATPase activity in chinook salmon (*Oncorhynchus tshawytscha*).  
Ewing, R. D.  
Corvallis: Oregon Dept. of Fish and Wildlife, Research and Development Section; 1979. 15 p.: ill.  
NAL Call No.: SH1.I55 No.79-1  
(Information report series, fisheries ; no. 79-1)  
(Bibliography: p. 14-15.)

2318 1979  
INNOVATIONS FOR THE FISH FARMER.  
MARTIN, M.  
THE COMMERCIAL FISH FARMER AND AQUACULTURE NEWS 5 (3), 15-16.  
Aquaculture Data Base No.: 6544

2319 1979  
INTEGRATED FISH FARMING IN THAILAND.  
JANESIRISAK, S.  
ASIAN AQUACULTURE 2 (11), PG.3.  
Aquaculture Data Base No.: 7428

2320 1979  
Intensive development of (pond) fishery (Ukrainian SSR). UKRAINIAN.  
Halasun, P.T.; Hrinzhevs'kyi, M.V.  
Tvarynnystvo Ukrainy; (4), p. 54-55. Apr 1979. (Kyiv: Ministerstvo sil's'koho hospodarstva URSS.)  
NAL Call No.: 49 SO712

2321 1979  
INTENSIVE EELS FARMING IN NUCLEAR POWER PLANT EFFLUENT.  
LEMERCIER, P.  
AQUA SERVICE & ASSOCIATES, 5PP.  
Aquaculture Data Base No.: 6987

2322 1979  
Large scale culture of dinoflagellate algae.  
Siegelman, H.W.; Kycia, J.H.  
Developments in marine biology; v. 1, p. 115-120. ill. 1979. (New York: Elsevier North Holland.)  
NAL Call No.: QH91.A1D49  
(15 ref.)

2323 1979  
MACROBRACHIUM CULTURE IN THE UNITED STATES.  
EBLE, A.F.  
NATIONAL SHELLFISHERIES ASSOCIATION 1979 PROCEEDINGS 69, 129-136.  
Aquaculture Data Base No.: 7115

2324 1979  
MANAGEMENT IMPLICATIONS OF HERRING POND SPAWN ON KELP FISHERY.  
FRIDGEN, P.



PROCEEDINGS OF THE HERRING ROE ON KELP WORKSHOP. CORDOVA, ALASKA, JANUARY 23-24, 1979. UNIVERSITY OF ALASKA SEA GRANT PROGRAM. SEA GRANT REPORT 79-3, 35-39.

Aquaculture Data Base No.: 7036

2325 1979

Management of red drum (*Sciaenops ocellata*) in a Texas estuary--a case study.

Matlock, G.C.; Johansen, P.L.; Breuer, J.P. Proceedings of the ... annual conference - Southeastern Association of Fish and Wildlife Agencies; (33rd), p. 442-450. ill., map. 1979. (Columbia, S.C: The Association.)

NAL Call No.: SK1.S6  
(11 ref.)

2326 1979

A model for the management of the Texas brown shrimp fishery.

Griffin, W.L.; Tydlacka, G.C.; Nichols, J.P.; Grant, W.E.

Departmental information report, staff paper series - Texas Agricultural Experiment Station; (DIR 79-1, SP-8), 19 p. Nov 1979. (College Station, Tex.: The Station.)

NAL Call No.: HD1775.T4T4  
(9 ref.)

2327 1979

MONOCULTURE OF TIGER PRAWN, *PENAEUS MONODON FABRICIUS*, IN A BRACKISH WATER POND AT MADRAS INDIA.

SUNDARARAJAN, D.; BOSE, S.V.C.; VENKATESAN, V.

AQUACULTURE 16 (1), 73-75.

Aquaculture Data Base No.: 6450

2328 1979

THE NEW ALCHEMISTS.

MCLARNEY, B.

THE COMMERCIAL FISH FARMER — AQUACULTURE NEWS 5 (5), 35-36.

Aquaculture Data Base No.: 7885

2329 1979

NEW WAVES IN THE FARM POND.

LOOKER, D.

THE NEW FARM 1 (6), 26-31.

Aquaculture Data Base No.: 7668

2330 1979

Northwest salmon and steelhead : hearings before the Committee on Commerce, Science, and Transportation, United States Senate, Ninety-sixth Congress, first session ... August 17, 18, and September 4, 1979.

Washington: U.S. Govt. Print. Off; 1979. iv, 284 p.: ill., maps; 24 cm.

NAL Call No.: KF26.C69 1979a

Serial no. 96-48.

(Includes bibliographical references.)

2331 1979

OBSERVATIONS AND RESEARCH IN FARM POND USE.

POIROT, G.

FARM POND HARVEST 13 (3), 15, 26.

Aquaculture Data Base No.: 6900

2332 1979

OBSERVATIONS ON POLYCULTURE OF FISH UNDER STANDARD FARM POND CONDITIONS AT THE FISH AND AQUACULTURE RESEARCH STATION, DOR, DURING THE YEARS 1972-1977.

HALEVY, A.

BAMIDGEH 31 (4), 96-104.

Aquaculture Data Base No.: 7578

2333 1979

On the use of a stochastic model for simulating yields from a (Norwegian) trout lake.

Jensen, K.W.

Report - Institute of Freshwater Research (Sweden); (58), p. 41-44. 1979. (Drottningholm: The Institute.)

NAL Call No.: 414.9 SW3

(5 ref.)

2334 1979

OPERATIONS DE DEVELOPPEMENT DE L'AQUACULTURE DES CHEVRETTES AUX ANTILLES ET EN GUYANE.

BENOIT, C.

CNEXO. BULLETIN D'INFORMATION 122, 3-4. (IN FRENCH).

Aquaculture Data Base No.: 6574

2335 1979

OREGON AND OYSTERS - CULTURE ON THE HALF SHELL.

JACKSON, C.B.

SEAGRANT '70S 9 (2), 3-6, 11.

Aquaculture Data Base No.: 6471

2336 1979

Out-system transfers of coho salmon stocks in coastal river systems.

Willis, Mitchell J.

Corvallis: Oregon Dept. of Fish and Wildlife, Research and Development Section; 1979. 12 p.

NAL Call No.: SH1.I55 No.79-9

(Information report series, fisheries ; no. 79-9)

2337 1979

OUTDOORS ALGAL MASS CULTURES - 1. APPLICATIONS.

GOLDMAN, J.C.

WATER RESEARCH 13 (1), 1-19.

Aquaculture Data Base No.: 6624

2338 1979

POLYCULTURE OF *TILAPIA AUREA* AND *MACROBRACHIUM ROSENBERGII* IN TEXAS.

BRICK, R.W.; STICKNEY, R.R.

PROCEEDINGS OF THE 10TH ANNUAL MEETING, WMS, HONOLULU, HAWAII, JAN. 22-26, 1979, 222-228.

Aquaculture Data Base No.: 7930

2339 1979

POSSIBLE CLUES TO IMPROVED POND CULTURE OF *PENAEID* SHRIMP.

FURNESS, G.N.; ALDRICH, D.V.

PROCEEDINGS OF THE 10TH ANNUAL MEETING, WMS, HONOLULU, HAWAII, JAN. 22-26, 1979, 477-488.  
Aquaculture Data Base No.: 7953

2340 1979  
Potentials of (pond) fishery production (Vinnitsa Region). UKRAINIAN.  
Rachok, I.IA.  
Tvarynnystvo Ukrainy; (8), p. 40. Aug 1979. (Kyiv: Ministerstvo sil's'koho hospodarstva URSR.)  
NAL Call No.: 49 SO712

2341 1979  
POTHOLE AQUACULTURE IN SASKATCHEWAN.  
SWANSON, M.E.  
THE COMMERCIAL FISH FARMER & AQUACULTURE NEWS 5 (2), 23-25.  
Aquaculture Data Base No.: 6340

2342 1979  
PRELIMINARY TRIALS IN ARTEMIA REARING AND SALT PRODUCTION IN EARTHEN SALT PONDS.  
PRIMAVERA, J.; ESTENOR, D.; ACOSTA, P.; ESTEPA, F.  
SEAFDEC, QUARTERLY RESEARCH REPORT 3 (1), 21-24.  
Aquaculture Data Base No.: 8051

2343 1979  
PRINCIPLES OF WARMWATER AQUACULTURE. 2. WATER SYSTEMS.  
STICKNEY, R.R.  
PRINCIPLES OF WARMWATER AQUACULTURE. JOHN WILEY & SONS, 21-83.  
Aquaculture Data Base No.: 7406

2344 1979  
PRINCIPLES OF WARMWATER AQUACULTURE. 9. MINNOWS, GOLDFISH, AND SPORT FISH.  
STICKNEY, R.R.  
PRINCIPLES OF WARMWATER AQUACULTURE. JOHN WILEY & SONS, 320-343.  
Aquaculture Data Base No.: 7413

2345 1979  
PROBLEMS OF ENERGY TRANSFER IN MULTIPLE MARINE AQUACULTURE SYSTEMS.  
NELLEN, W.; KOSKE, P.; LENZ, J.; KUHLMANN, D.; QUANTZ, G.; WITT, U.  
INTERNATIONAL COUNCIL FOR THE EXPLORATION OF THE SEA, MARICULTURE COMMITTEE PAPER F:8, 27 PP.  
Aquaculture Data Base No.: 7645

2346 1979  
PROBLEMS WITH THE CULTURE OF TOPMINNOWS (FAMILY POECILIIDAE) AND THEIR USE AS LIVE BAITFISHES.  
BALDWIN, W.J.; MCGRENA, M.J.  
PROCEEDINGS OF THE 10TH ANNUAL MEETING, WMS, HONOLULU, HAWAII, JAN. 22-26, 1979, 249-259.  
Aquaculture Data Base No.: 7933

2347 1979  
Problems with the North Sea fishing industry. Problemen bij de Noordzevisserij. DUTCH.  
Postuma, K.H.

Landbouwkundig tijdschrift; v. 91, (11), p. 305-310. Nov 1979. (Wageningen: Koninklijk Genootschap voor Landbouwwetenschap.)  
NAL Call No.: 105.2 OR3  
(6 ref.)

2348 1979  
Proceedings of the Workshop on the Estuarine Survival of Salmon, Juneau, Alaska, February 8, 1979.  
Hadley, Raymond S.  
Fairbanks, Alaska: Alaska Sea Grant Program, University of Alaska; 1979. 38 p.; 28 cm.  
NAL Call No.: QL638.S2W67 1979

2349 1979  
Production potential of catfish (*Ictalurus punctatus*) grown-out ponds supplementally stocked with silver and bighead carp (*Hypophthalmichthys molitrix*, *Aristichthys nobilis*).  
Henderson, S.  
Proceedings of the ... annual conference - Southeastern Association of Fish and Wildlife Agencies; (33rd), p. 584-590. 1979. (Columbia, S.C: The Association.)  
NAL Call No.: SK1.S6  
(4 ref.)

2350 1979  
Production ration of phytoplankton, bacterio-plankton and fish productivity in fish-breeding reservoirs of the Volga River delta. RUSSIAN.  
Gorbunov, K.V.; Sokol'skii, A.F.; Tamrazova, N.I.  
Ekologiya; (3), p. 61-68. ill. May/June 1979. (Sverdlovsk: "Nauka".)  
NAL Call No.: QH540.E3  
(24 ref.)

2351 1979  
PROGRESS REPORT ON THE RESEARCH ACTIVITIES OF THE LABORATORY FOR MARICULTURE. RESEARCH AT THE ARTEMIA REFERENCE CENTER.  
SORGELOOS, P.; BOSSUYT, E.; BRUGGEMAN, E.; COOREMAN, A.; DOBBELEIR, J.; VANHAECKE, P.; VERSICHELE, D.  
INTERNATIONAL COUNCIL FOR THE EXPLORATION OF THE SEA, MARICULTURE COMMITTEE PAPER F:54, 205-214.  
Aquaculture Data Base No.: 7650

2352 1979  
PROSPECTS OF FISH FARMING IN CAGES IN KARNAFULI RESERVOIR (BANGLADESH).  
AKABAR, A.  
INTERNATIONAL WORKSHOP ON CAGE AND PEN CULTURE OF FISH, SEAFDEC AQUACULTURE DEPT. AND IDRC, 25.  
Aquaculture Data Base No.: 9764

2353 1979  
A PROSPECTUS FOR RAISING LOW TROPHIC LEVEL FISHES IN ECONOMICALLY DEPRIVED RURAL AREAS.  
HUNER, J.V.  
FARM POND HARVEST 13 (1), 12-13, 25.  
Aquaculture Data Base No.: 6749

2354 1979  
A RECIRCULATING SYSTEM FOR SMALL-SCALE EXPERIMENTAL WORK ON JUVENILE LOBSTERS (*HOMARUS AMERICANUS*).  
BOGHEN, A.D.; CASTELL, J.D.



- AQUACULTURE 18 (4), 383-387.  
Aquaculture Data Base No.: 7517
- 2355 1979  
**RELATIVE GROWTH AND PRODUCTION OF THE ESTUARY GROUPER EPINEPHELUS SALMOIDES UNDER DIFFERENT STOCKING DENSITIES IN FLOATING NET-CAGES.**  
CHUA, T.E.; TENG, S.K.  
MARINE BIOLOGY 54 (4), 363-372.  
Aquaculture Data Base No.: 7244
- 2356 1979  
**RESEARCH REPORT.**  
AVAULT, J.W., JR.  
THE COMMERCIAL FISH FARMER AND  
AQUACULTURE NEWS 5 (4), 30.  
Aquaculture Data Base No.: 6696
- 2357 1979  
**RESEARCH REPORT.**  
AVAULT, J.W., JR.  
THE COMMERCIAL FISH FARMER —  
AQUACULTURE NEWS 5 (5), 30, 32.  
Aquaculture Data Base No.: 7882
- 2358 1979  
**Roadway drainage guide for installing culverts to accomodate fish.**  
Juneau, Ak: Department of Agriculture, Forest Service, Region 10, Office of Information; 1979. 120 p.: ill., maps.  
NAL Call No.: aSD11.U522 No.42  
No. 42 for this publication confused Draft of the report issued as no. 42 in Series Rt10, United States. Forest Service. Alaska Region under the title: Fish/culvert roadway drainage guide.  
(United States. Forest Service. Alaska Region. Alaska Region report ; no. 42)  
(Bibliography: p. 85.)
- 2359 1979  
**The second wave: the application of New Alchemy aquaculture techniques to a remote, small-scale trout farm (Washington).**  
Olson, M.  
Woods Hole, Mass.: New Alchemy Institute; 1979. p. 110-115. ill.  
NAL Call No.: GF1.J6  
(5 ref)
- 2360 1979  
**Small scale fish.**  
Djajadiredja, R.; Jangkaru, Z.  
Indonesian agricultural research & development journal; v. 1, (3/4), p. 1-4. ill. 1979. (Jakarta Selatan, Indonesia: Ministry of Agriculture, Agency for Agricultural Research and Development.)  
NAL Call No.: S3.I41
- 2361 1979  
**STATUS OF CATFISH AQUACULTURE IN THE UNITED STATES.**  
DUPREE, H.K.  
UNPUBLISHED PAPER, PRESENTED,  
AQUACULTURAL DIVISION OF THE UNITED STATES - JAPAN COOPERATIVE PROGRAM IN NATURAL RESOURCES, BELLINGHAM, WA,  
OCT. 17-18, 1979, 1-14.  
Aquaculture Data Base No.: 7892
- 2362 1979  
**Striped bass (*Morone saxatilis*) culture in continuously aerated ponds.**  
Parker, N.C.  
Proceedings of the ... annual conference - Southeastern Association of Fish and Wildlife Agencies; (33rd), p. 353-360. ill. 1979. (Columbia, S.C: The Association.)  
NAL Call No.: SK1.S6  
(8 ref.)
- 2363 1979  
**STRIPED BASS CULTURE IN THE UNITED STATES.**  
STEVENS, B.  
THE COMMERCIAL FISH FARMER AND  
AQUACULTURE NEWS 5 (3), 10-14.  
Aquaculture Data Base No.: 6545
- 2364 1979  
**Studies on moored floating facilities for fish culture. I. The motions of the facilities for fish culture in waves and the tension forces on its mooring lines. JAPANESE.**  
Munekage, Y.; Nakanishi, H.; Nakada, Y.; Sanda, H.  
Gakujutsu kenkyu hokoku. = Research reports of the Kochi University. Nogaku - Kochi Daigaku; v. 28, p. 125-131. ill. 1979. (Kochi: The University.)  
NAL Call No.: 513 K81  
(4 ref.)
- 2365 1979  
**SUBSISTENCE AQUACULTURE AND TECHNOLOGY TRANSFER AMONG DEVELOPED AND DEVELOPING COUNTRIES.**  
MADAMBA, J.C.  
PROCEEDINGS OF THE 10TH ANNUAL MEETING, WMS, HONOLULU, HAWAII, JAN. 22-26, 1979, 182-193.  
Aquaculture Data Base No.: 7924
- 2366 1979  
**Technological development of *Tilapia nilotica*'s pisciculture.**  
Maruyama, T.  
Farming Japan; v. 13, (6), p. 46-54. ill. 1979. (Tokyo: Norin Shijo Kenkyujo.)  
NAL Call No.: S3.F29
- 2367 1979  
**Theory and practice of eel culture = Yomanho no riron to jissai.**  
Matsui, Isao.  
New Delhi: Amerind Pub. Co; Springfield, Va. \_ available from the U.S. Dept. of Commerce, National Technical Information Service \_ 1979. vi, 133 p.: ill.  
NAL Call No.: QL637.9.A5M33  
Translated from Japanese TT 74-52033 Cataloged also as Fishery culture series, paging different. (QL637.9.A5M32) Published for the National Marine Fisheries Service, National Oceanic and Atmospheric Administration, United States Dept. of Commerce and the National Science Foundation.  
(Bibliography: p. 133.)
- 2368 1979  
**Tilapia : a guide to their biology and culture in Africa.**  
Balarin, John Dominic.; Hatton, John P.

Stirling, Scotland: University of Stirling; c1979. xxiii, 174 p. ill. 30 cm.  
 NAL Call No.: SH167.T54B3  
 (Bibliography: p. 92-110.)

2369 1979  
**USE OF ARTIFICIAL HIDES TO INCREASE THE STOCKING DENSITY AND PRODUCTION OF ESTUARY GROUPEL, EPINEPHELUS SALMOIDES MAXWELL, REARED IN FLOATING NET CAGES.**  
 TENG, S.-K.; CHUA, T.-E.  
 AQUACULTURE 16 (3), 219-232.  
 Aquaculture Data Base No.: 6652

2370 1979  
**Water for aquaculture (Mexico).**  
 Zarur, A.  
 Papers - World Congress on Water Resources; v. 8, p. 4062-4065. 1979. ((s.l.): International Water Resources Association.)  
 NAL Call No.: TC401.W6

2371 1979  
**YOU ASKED FOR IT.**  
 MARTIN, M.  
 THE COMMERCIAL FISH FARMER —  
 AQUACULTURE NEWS 5 (5), 24-27.  
 Aquaculture Data Base No.: 7881

1978

2372 1978  
**ANALYSIS OF ECONOMIC AND ENERGY UTILIZATION ASPECTS FOR WASTE HEAT AQUACULTURE.**  
 OLSZEWSKI, M.; WILSON, J.V.  
 PROCEEDINGS OF THE SECOND WORKSHOP ON WASTE HEAT UTILIZATION IN AQUACULTURE. NEW BRUNSWICK, NEW JERSEY, MARCH 29-31, 1978. 1-15.  
 Aquaculture Data Base No.: 6195

2373 1978  
**Aquaculture in shallow seas ; Progress in shallow sea culture.**  
 Imai, Takeo.  
 Rotterdam : A. A. Balkema., 1978.  
 NAL Call No.: SH135.A6  
 (Translation of Senkai kanzen yoshoki (Senkai yoshoku no shinpo) Includes bibliographies.)

2374 1978  
**AQUACULTURE IN THE UNITED STATES. CONSTRAINTS AND OPPORTUNITIES. CHAPTER 1. PRODUCTION SYSTEMS.**  
 WALSH, D.  
 NATIONAL ACADEMY OF SCIENCES, 9-38.  
 Aquaculture Data Base No.: 6407

2375 1978  
**AQUACULTURE OF TROPICAL REEF FISH.**  
 MADDEN, W.  
 UNIVERSITY OF HAWAII, SEA GRANT COLLEGE PROGRAM, WORKING PAPER NO-34, 18-19.  
 Aquaculture Data Base No.: 7504

2376 1978  
**AQUACULTURE: PRAWNS IN HAWAII.**

KIYABU, D.F.  
**PROCEEDINGS OF THE THIRD ANNUAL STUDENT SYMPOSIUM ON MARINE AFFAIRS, UNIHI-SEAGRANT-MR-78-03, 82-88.**  
 Aquaculture Data Base No.: 7347

2377 1978  
**Aquaculture's potential as a fishery management tool.**  
 Greenwood, P.H.  
 Journal - Northeastern Agricultural Economics Council; v. 7, (2), p. 105-109. Oct 1978. (Amherst: The Council.)  
 (2 ref.)

2378 1978  
**Bangus: a look ahead.**  
 Guerrero, C. V.  
 Diliman, Quezon City: Special Studies Division, Planning Service, Office of the Secretary, Dept. of Agriculture; 1978. 13 leaves; 28 cm.  
 NAL Call No.: HF5716.F35B3  
 Cover title Reprint. Originally published: Quezon City : Special Studies Division, Planning Service, Dept. of Agriculture, 1974.

2379 1978  
**BRACKISH WATER POND POLYCULTURE OF ESTUARINE FISHES IN THERMAL EFFLUENT.**  
 BRANCH, M.R.; STRAWN, K.  
 PROCEEDINGS OF THE NINTH ANNUAL WORKSHOP WORLD MARICULTURE SOCIETY. ATLANTA, GEORGIA. 1-19.  
 Aquaculture Data Base No.: 4644

2380 1978  
**THE CLAMS GENERA MERCENARIA, SAXIDOMUS, PROTOTHACA, TAPES, MYA, PANOPEA, AND SPISULA. A LITERATURE REVIEW AND ANALYSIS OF THE USE OF THERMAL EFFLUENT IN THE CULTURE OF CLAMS.**  
 GLUDE, J.B.  
 JOHN B. GLUDE AQUACULTURE CONSULTANT, REPORT. 1-74.  
 Aquaculture Data Base No.: 4877

2381 1978  
**CRAWFISH CULTURE IN SMALL PONDS.**  
 HUNER, J.V.  
 FARM POND HARVEST 12 (1), 8-10.  
 Aquaculture Data Base No.: 6751

2382 1978  
**CRAWFISH POPULATION DYNAMICS AS THEY AFFECT PRODUCTION IN SEVERAL SMALL, OPEN COMMERCIAL CRAWFISH PONDS IN LOUISIANA.**  
 HUNER, J.V.  
 PROCEEDINGS OF THE NINTH ANNUAL WORKSHOP WORLD MARICULTURE SOCIETY. ATLANTA, GEORGIA. 619-640.  
 Aquaculture Data Base No.: 6558

2383 1978  
**CULTIVATION OF SEaweEDS FOR HYDROCOLLOIDS, WASTE TREATMENT AND BIOMASS FOR ENERGY CONVERSION.**  
 RYTHER, J.H.; DEBOER, J.A.; LAPOINTE, B.E.



PROCEEDINGS OF THE NINTH  
INTERNATIONAL SEAWEED SYMPOSIUM.  
SANTA BARBARA, CALIFORNIA, AUGUST 20-27,  
1977. 1-16.  
Aquaculture Data Base No.: 7085

2384 1978  
THE CULTURE OF SHRIMP, *PENAEUS  
MONODON*, IN A LOW SALINITY POND.  
MANIK, R.; KAHAR, R.; TIENSONGRUMMEE, B.  
BULLETIN OF THE BRACKISHWATER  
AQUACULTURE DEVELOPMENT CENTRE 4 (1-2),  
288-292.  
Aquaculture Data Base No.: 8042

2385 1978  
CULTURE OF THE WHITE SHRIMP, *PENAEUS  
MERGUIENSIS*, AT THE BRACKISHWATER  
AQUACULTURE DEVELOPMENT CENTRE  
JEPARA, INDONESIA.  
MINTARDJO, K.; SUDJIHARNO, M.;  
ADISUKRESNO, S.; TIENSONGRUMMEE, B.  
BULLETIN OF THE BRACKISHWATER  
AQUACULTURE DEVELOPMENT CENTRE 4 (1-2),  
293-311.  
Aquaculture Data Base No.: 8043

2386 1978  
A CULTURE STUDY ON GRASS PRAWN,  
*PENAEUS MONODON*, IN TAIWAN - THE  
PATTERNS, THE PROBLEMS AND THE  
PROSPECTS.  
LIAO, I.-C.  
JOURNAL OF THE FISHERIES SOCIETY OF  
TAIWAN (1977), 5 (2), 11-29. TUNGKANG MARINE  
LABORATORY COLLECTED REPRINTS  
(1974-1977), 3 (45), 143-161.  
Aquaculture Data Base No.: 6727

2387 1978  
Development of fishery management plans for selected  
anadromous fishes in South Carolina and Georgia.  
Ulrich, Glenn.  
Charleston: South Carolina Wildlife and Marine  
Resources Dept; 1978. iv, 135 p.: ill.; 28 cm.  
NAL Call No.: SH329.S6D4  
(Bibliography: p. 128-135.)

2388 1978  
DEVELOPMENT OF PRAWN AQUACULTURE IN  
HAWAII.  
MALECHA, S.R.  
THE COMMERCIAL FISH FARMER AND  
AQUACULTURE NEWS 4 (3), 14-18.  
Aquaculture Data Base No.: 4550

2389 1978  
DOUBLE CROPPING RICE, *ORYZA SATIVA*, AND  
RED SWAMP CRAWFISH *PROCAMBARUS  
CLARKII*.  
CHIEN, Y.; AVAULT, J.W., JR.  
PROCEEDINGS OF THE FOURTH  
INTERNATIONAL ASSOCIATION OF  
ASTACOLOGY SYMPOSIUM.  
THONON-LES-BAINS, FRANCE, AUGUST 28-31,  
1978. 9P.  
Aquaculture Data Base No.: 4967

2390 1978  
THE EASTERN (AMERICAN) OYSTER  
*CRASSOSTREA VIRGINICA* (GMELIN, 1971). A  
LITERATURE REVIEW AND ANALYSIS OF THE  
USE OF THERMAL EFFLUENT IN THE CULTURE  
OF THE EASTERN OR AMERICAN OYSTER.

GLUDE, J.B.  
JOHN B. GLUDE AQUACULTURE CONSULTANT,  
REPORT. 1-45.  
Aquaculture Data Base No.: 4874

2391 1978  
EFFECT OF STOCKING DENSITY ON THE  
GROWTH OF ESTUARY GROUPEL,  
*EPINEPHELUS SALMOIDES MAXWELL*,  
CULTURED IN FLOATING NET-CAGES.  
TENG, S.-K.; CHUA, T.-E.  
AQUACULTURE 15 (3), 273-287.  
Aquaculture Data Base No.: 6258

2392 1978  
Elements of modern marsh culture. Elementi di  
vallicoltura moderna ;; Proposte operative per la  
ristrutturazione e lo sviluppo della itticoltura salmastra  
italiana. ITA.  
Ravagnan, Gino.  
Bologna : Edagricole., 1978. xii, 283 p. : ill. ; 26 cm.  
NAL Call No.: SH85.R4  
(On cover: Vallicoltura moderna.)

2393 1978  
ENGINEERING CONSIDERATIONS IN THE  
AQUACULTURE OF *MACROBRACHIUM  
ROSENBERGII* IN SOUTH CAROLINA.  
ZIELINSKI, P.; CASTRO, W.E.; SANDIFER, P.A.  
TRANSACTIONS OF THE AMERICAN SOCIETY  
OF AGRICULTURAL ENGINEERS 21 (2), 391-394,  
398.  
Aquaculture Data Base No.: 6701

2394 1978  
THE EVOLUTION OF ABALONE CULTURE.  
IMAI, T.  
AQUACULTURE IN SHALLOW SEAS: PROGRESS  
IN SHALLOW SEA CULTURE. A.A. BALKEMA,  
ROTTERDAM. PART IV, 365-410.  
Aquaculture Data Base No.: 6190

2395 1978  
THE EVOLUTION OF PRAWN CULTURE.  
IMAI, T.  
AQUACULTURE IN SHALLOW SEAS: PROGRESS  
IN SHALLOW SEA CULTURE. A.A. BALKEMA,  
ROTTERDAM. PART V, 411-561.  
Aquaculture Data Base No.: 6191

2396 1978  
EXPERIMENTAL CULTURE OF *MYTILUS EDULIS  
(L.)* IN A NORTHERN ESTUARINE GRADIENT:  
GROWTH, SURVIVAL, AND RECRUITMENT.  
INEZE, L.S.; PORTER, B.; LUTZ, R.A.  
PROCEEDINGS OF THE NINTH ANNUAL  
WORKSHOP WORLD MARICULTURE SOCIETY.  
ATLANTA, GEORGIA. 523-541.  
Aquaculture Data Base No.: 6520

2397 1978  
EXPERIMENTAL POND PRODUCTION OF  
SELECTED MARINE SPECIES. FLORIDA  
POMPANO (*TRACHINOTUS CAROLINUS*) AND  
SHRIMP (*PENAEUS AZTECUS*, *P. DUORARUM*, *P.  
SETIFERUS*, AND *P. VANNAMEI*).  
TRIMBLE, W.C.; TATUM, W.M.

CLAUDE PETEET MARICULTURE CENTER,  
MARINE RESOURCES DIVISION. ALABAMA  
DEPARTMENT OF CONSERVATION AND  
NATURAL RESOURCES, 3-15.  
Aquaculture Data Base No.: 6141

2398 1978  
EXPERIMENTAL POND PRODUCTION OF  
SELECTED MARINE SPECIES. GULF KILLIFISH  
OR "BULL MINNOW" (FUNDULUS GRANDIS).  
TRIMBLE, W.C.; TATUM, W.M.  
CLAUDE PETEET MARICULTURE CENTER,  
MARINE RESOURCES DIVISION. ALABAMA  
DEPARTMENT OF CONSERVATION AND  
NATURAL RESOURCES, 15-16.  
Aquaculture Data Base No.: 6142

2399 1978  
EXPERIMENTAL POND PRODUCTION OF  
SELECTED MARINE SPECIES. RAINBOW TROUT  
(SALMO GAIRDNERI).  
TRIMBLE, W.C.; TATUM, W.M.  
CLAUDE PETEET MARICULTURE CENTER,  
MARINE RESOURCES DIVISION. ALABAMA  
DEPARTMENT OF CONSERVATION AND  
NATURAL RESOURCES, 16-20.  
Aquaculture Data Base No.: 6143

2400 1978  
EXPERIMENTAL POND PRODUCTION OF  
SELECTED MARINE SPECIES. RED DRUM  
(SCIAENOPS OCELLATA).  
TRIMBLE, W.C.; TATUM, W.M.  
CLAUDE PETEET MARICULTURE CENTER,  
MARINE RESOURCES DIVISION. ALABAMA  
DEPARTMENT OF CONSERVATION AND  
NATURAL RESOURCES, 21-30.  
Aquaculture Data Base No.: 6144

2401 1978  
EXPERIMENTAL POND PRODUCTION OF  
SELECTED MARINE SPECIES. RED SNAPPER  
(LUTJANUS CAMPECHANUS).  
TRIMBLE, W.C.; TATUM, W.M.  
CLAUDE PETEET MARICULTURE CENTER,  
MARINE RESOURCES DIVISION. ALABAMA  
DEPARTMENT OF CONSERVATION AND  
NATURAL RESOURCES, 30-33.  
Aquaculture Data Base No.: 6145

2402 1978  
EXPERIMENTAL POND PRODUCTION OF  
SELECTED MARINE SPECIES. RIVER SHRIMP  
(MACROBRACHIUM OHIONE).  
TRIMBLE, W.C.; TATUM, W.M.  
CLAUDE PETEET MARICULTURE CENTER,  
MARINE RESOURCES DIVISION. ALABAMA  
DEPARTMENT OF CONSERVATION AND  
NATURAL RESOURCES, 34-35.  
Aquaculture Data Base No.: 6146

2403 1978  
FARM PRODUCTION OF INTRODUCED  
ORNAMENTAL FISHES IN FLORIDA.  
MERYMAN, C.D.  
SYMPOSIUM ON CULTURE OF EXOTIC FISHES.  
FISH CULTURE SECTION, AMERICAN FISHERIES  
SOCIETY. AUBURN ALABAMA, 230-239.  
Aquaculture Data Base No.: 6964

2404 1978

FISH FARMER MUST KNOW WHAT TO DO  
WHEN TURBIDITY BECOMES A PROBLEM IN  
HIS PONDS.  
MARTIN, M.  
THE COMMERCIAL FISH FARMER AND  
AQUACULTURE NEWS 4 (5), 19-21.  
Aquaculture Data Base No.: 4720

2405 1978  
FISH FARMING FACES CHALLENGING FUTURE.  
MEADE, T.L.  
RHODE ISLAND RESOURCES 24 (2), 4-7.  
Aquaculture Data Base No.: 4922

2406 1978  
FISH FARMING ON THE HOME FRONT.  
WELSH, G.; NEILS, K.  
THE COMMERCIAL FISH FARMER AND  
AQUACULTURE NEWS 4 (6), 19-22.  
Aquaculture Data Base No.: 4910

2407 1978  
FISHERIES AND FISH CULTURE IN ISRAEL IN  
1977.  
SARIG, S.  
BAMIDGEH 30 (4), 91-103.  
Aquaculture Data Base No.: 7307

2408 1978  
THE FRESHWATER PRAWN MACROBRACHIUM  
ROSENBERGII (DE MAN). A LITERATURE  
REVIEW AND ANALYSIS OF THE USE OF  
THERMAL EFFLUENT IN THE CULTURE OF THE  
FRESHWATER PRAWN.  
GLUDE, J.B.  
JOHN B. GLUDE AQUACULTURE CONSULTANT,  
REPORT. 1-59.  
Aquaculture Data Base No.: 4879

2409 1978  
GETTING STARTED WITH PRAWNS:  
CONSTRUCTION; FARMING & MAINTENANCE.  
SHKLOV, J.M.; FASSLER, C.R.  
UNIVERSITY OF HAWAII. SEAGRANT  
PROGRAM. UNIHI-SEAGRANT-AB-79-02, 1P.  
Aquaculture Data Base No.: 6882

2410 1978  
Groundworks and facts of sea bream culture. Tai  
yoshoku no kiso to jissai. JAPANESE.  
Yamaguchi, Masao  
Tokyo: Koseisha Koseikakuhan; 1978. 2, 5, 414 p.: ill.;  
22 cm.  
NAL Call No.: SH691.B7Y3  
Includes indexes.  
(Bibliography: p. 381-403.)

2411 1978  
GROWING ZOSTERA CAPRICORNI ASCHERS. IN  
TANKS.  
KIRKMAN, H.  
AQUATIC BOTANY 4 (4), 367-372.  
Aquaculture Data Base No.: 4596

2412 1978  
INDIVIDUAL FISH FARMER MUST DEVELOP  
HIS OWN SET OF MANAGEMENT PROCEDURES.  
WILLIAMSON, J.L.



THE COMMERCIAL FISH FARMER AND  
AQUACULTURE NEWS 4 (5), 9-11.  
Aquaculture Data Base No.: 4723

2413 1978  
The integration of aquaculture with agriculture.  
Buck, D H.  
*Farm Pond Harvest*. 12 (2): 10-11, 31-34. Spring 1978.  
)  
NAL Call No.: SH1.F3

2414 1978  
MARINE FISH CULTURE IN THE THIRD  
WORLD.  
MISTAKIDIS, M.N.  
FISH FARMING INTERNATIONAL 5 (1), 30-35.  
Aquaculture Data Base No.: 4455

2415 1978  
THE MARINE SHRIMP *PENAEUS* SPP. A  
LITERATURE REVIEW AND ANALYSIS OF THE  
USE OF THERMAL EFFLUENT IN THE CULTURE  
OF *PENAEID* SHRIMP.  
GLUDE, J.B.  
JOHN B. GLUDE AQUACULTURE CONSULTANT,  
REPORT. 1-45.  
Aquaculture Data Base No.: 4866

2416 1978  
Methods for assessment of fish production in fresh  
waters.  
Bagenal, Timothy  
Oxford: Blackwell Scientific Publications (for)  
International Biological Programme; 1978. xv, 365 p., (7)  
leaves of plates: ill.; 21 cm.  
NAL Call No.: QL615.M4 1978  
On spine: Fish production in fresh waters Includes  
index.  
(IBP handbook ; no. 3)  
(Bibliography: p. 303-351.)

2417 1978  
MINISTRY OF AGRICULTURE, FISHERIES AND  
FOOD PRAWN CULTURE RESEARCH.  
WICKINS, J.F.; BEARD, T.W.  
MINISTRY OF AGRICULTURE FISHERIES AND  
FOOD (MAFF), DIRECTORATE OF FISHERIES  
RESEARCH, LOWESTOFT, LABORATORY  
LEAFLET NO.42, PP. 4U.  
Aquaculture Data Base No.: 6334

2418 1978  
MOLLUSCAN SHELLFISH RESEARCH IN THE  
UNITED STATES WITH EMPHASIS ON  
CONTROLLED SYSTEM AQUACULTURE AT THE  
UNIVERSITY OF DELAWARE.  
PRICE, K.S., JR.  
DRUGS AND FOOD FROM THE SEA, MYTH OR  
REALITY? 273-283. THE UNIVERSITY OF  
OKLAHOMA, NORMAN, OKLAHOMA.  
Aquaculture Data Base No.: 7077

2419 1978  
MONOCULTURE AND POLYCULTURE POND  
STUDIES WITH POMPANO (*TRACHINOTUS*  
*CAROLINUS*) AND *PENAEID* SHRIMP (*PENAEUS*  
*AZTECUS*, *P. DUORARUM*, AND *P. SETIFERUS*)  
IN ALABAMA, 1975-1977.  
TATUM, W.M.; TRIMBLE, W.C.

PROCEEDINGS OF THE NINTH ANNUAL  
WORKSHOP WORLD MARICULTURE SOCIETY.  
ATLANTA, GEORGIA. 433-446.  
Aquaculture Data Base No.: 6514

2420 1978  
Municipal wastewater aquaculture.  
Duffer, William R; Moyer, James E.  
Ada, Ok. : Environmental Protection Ag., Office of Res.  
and Devel., Robert S. Kerr Environ. Res. Lab., 1978. vi,  
47 p. ; 28 cm. -.  
NAL Call No.: TD172.E57 No.78-110  
(Environmental protection technology series ;  
EPA-600/2-78-110)  
(Issued June 1978. Bibliography: p. 41-46.)

2421 1978  
NEW DEVELOPMENTS AND NEEDED CHANGES.  
1. ROLE OF RESEARCH IN THE DEVELOPMENT  
OF THE CATFISH INDUSTRY.  
SMITHERMAN, R.O.  
CONFERENCE PROCEEDINGS 1971 PRODUCING  
AND MARKETING CATFISH IN THE TENNESSEE  
VALLEY, 78-83.  
Aquaculture Data Base No.: 4792

2422 1978  
NORWEGIAN FARMS MAY BE ONLY THE START  
OF CULTURING THE SEA.  
NAEVDAL, G.  
FISH FARMING INTERNATIONAL 5 (3), 36-39.  
Aquaculture Data Base No.: 6019

2423 1978  
NORWEGIAN LAKE RANCHING.  
EDWARDS, D.J.  
FISH FARMING INTERNATIONAL 5 (2), 38-42.  
Aquaculture Data Base No.: 6469

2424 1978  
The Pacific Fishery Management Council's role in  
salmon fisheries : report.  
Washington: General Accounting Office; 1978. iii, 60 p.;  
27 cm.  
NAL Call No.: SH348.U5

2425 1978  
PLANKTON PRODUCTION AND TILAPIA YIELD  
IN PONDS.  
ALMAZAN, G.; BOYD, C.E.  
AQUACULTURE 15 (1), 75-77.  
Aquaculture Data Base No.: 6085

2426 1978  
THE POLYCULTURE ALTERNATIVE IN AQUATIC  
FOOD PRODUCTION.  
STICKNEY, R.R.  
DRUGS AND FOOD FROM THE SEA, MYTH OR  
REALITY? 385-392. THE UNIVERSITY OF  
OKLAHOMA, NORMAN, OKLAHOMA.  
Aquaculture Data Base No.: 7083

2427 1978  
POLYCULTURE OF CAGED CHANNEL CATFISH  
AND BIGMOUTH X BLACK HYBRID BUFFALO,  
GOLDEN SHINER, AND RED SWAMP CRAWFISH.  
GREEN, L.M., III

LOUISIANA STATE UNIVERSITY. MASTERS  
 THESIS, 1-92.

Aquaculture Data Base No.: 6738

2428 1978

POLYCULTURE OF MILKFISH (CHANOS  
 CHANOS) AND SHRIMP (PENAEUS MONODON)  
 TO INCREASE PRODUCTION IN PONDS.  
 LOPEZ, J.V.; RANOEMIHARDJO, B.S.  
 BULLETIN OF THE BRACKISHWATER  
 AQUACULTURE DEVELOPMENT CENTRE 4 (1-2),  
 268-277.

Aquaculture Data Base No.: 8040

2429 1978

POLYCULTURE OF RED SWAMP CRAWFISH  
 (PROCAMBARUS CLARKII) AND SEVERAL  
 NORTH AMERICAN FISH SPECIES.  
 GREEN, L.M.; TUTEN, J.S.; AVAULT, J.W., JR.  
 PROCEEDINGS OF THE FOURTH  
 INTERNATIONAL ASSOCIATION OF  
 ASTACOLOGY SYMPOSIUM.  
 THONON-LES-BAINS, FRANCE, AUGUST 28-31,  
 1978. 11P.

Aquaculture Data Base No.: 4968

2430 1978

POWER PLANT WASTE HEAT UTILIZATION IN  
 AQUACULTURE. APPENDIX VI. A METHOD OF  
 MAINTAINING AQUACULTURE PROCESS FLOW  
 DURING CHLORINATION OF ELECTRIC  
 GENERATING STATION COOLING WATER.  
 GODFRIAUX, B.L.

PUBLIC SERVICE ELECTRIC AND GAS CO.  
 RESEARCH AND DEVELOPMENT DEPARTMENT.  
 SEMI-ANNUAL REPORT. NSF/RANN GRANT NO.  
 ENV 76-19854 A03. 12P.

Aquaculture Data Base No.: 6124

2431 1978

POWER PLANT WASTE HEAT UTILIZATION IN  
 AQUACULTURE. APPENDIX VII. STATUS  
 REPORT. I. PRAWN COMPARTMENTALIZATION  
 EXPERIMENT. II. EVALUATION OF SELECTED  
 SYSTEMS OF THE "PROOF OF CONCEPT"  
 FACILITY. III. RENOVATION OF LABORATORY  
 I, PRAWN BROODSTOCK DATA AND  
 EXPERIMENTS WITH LARVAL  
 MACROBRACHIUM. IV. EXPERIMENTS WITH  
 EARLY JUVENILE EELS, AQUACULTURE  
 LABORATORIES, MERCER GENERATING  
 STATION, TRENTON, N.J.

EBLE, A.F.; STOLPE, N.E.; EVANS, M.C.; DEBLOIS,  
 N.; PASSANZA, T.  
 PUBLIC SERVICE ELECTRIC AND GAS CO.  
 RESEARCH AND DEVELOPMENT DEPARTMENT.  
 STATUS REPORT. NSF/RANN GRANT NO. ENV  
 76-19854 A03. 1-60.

Aquaculture Data Base No.: 6125

2432 1978

PRAWN FARMING IN HAWAII.  
 KOP, L.R.  
 PROCEEDINGS OF THE THIRD ANNUAL  
 STUDENT SYMPOSIUM ON MARINE AFFAIRS,  
 UNIHI-SEAGRANT-MR-78-03, 67-73.

Aquaculture Data Base No.: 7344

2433 1978

PRODUCTION OF TILAPIA IN CATFISH  
 RACEWAYS USING GEOTHERMAL WATER.  
 RAY, L.E.

SYMPOSIUM ON CULTURE OF EXOTIC FISHES.  
 FISH CULTURE SECTION, AMERICAN FISHERIES  
 SOCIETY. AUBURN, ALABAMA. 86-89.  
 Aquaculture Data Base No.: 4669

2434 1978

Rearing of chinook salmon in tributaries of the South  
 Fork Salmon River, Idaho [Forest wildlife].  
 Platts, W S; Partridge, F E.  
 USDA For Serv Res Pap INT U S Intermt For Range  
 Exp Stn. 205, 11 p. Map. Ref. May 1978. )  
 NAL Call No.: A99.9 F764U

2435 1978

A RECIRCULATING AQUACULTURE SYSTEM.  
 LU, J.D.  
 BAMIDGEH 30 (1), 12-22.  
 Aquaculture Data Base No.: 7305

2436 1978

Recreational freshwater fisheries : their conservation,  
 management and development : proceedings of a  
 conference of the Water Research Centre, held at Keble  
 College, Oxford, 12-15 December, 1977.  
 Alabaster, John S.  
 Medmenham, Eng: Water Research Centre; 1978. xvii,  
 312 p.: ill., maps.  
 NAL Call No.: SH328.R4  
 Includes bibliographies.

2437 1978

Remarks by [the] Assistant Secretary of Agriculture for  
 Conservation, Research and Education, before  
 Aquaculture.  
 Cutler, M R.  
 Washington. Jan 5, 1978. 9 p.  
 NAL Call No.: aS21.A83C8

2438 1978

RESULTS ON DEMONSTRATION OF THE  
 MONOCULTURE OF PENAEUS MONODON IN A  
 PRIVATE FARM AT KERTOMULYO VILLAGE  
 PATI, CENTRAL JAVA PROVINCE, INDONESIA.  
 MINTARDJO, K.; ADISUKRESNO, S.;  
 TIENSONGRUSMEE, B.  
 BULLETIN OF THE BRACKISHWATER  
 AQUACULTURE DEVELOPMENT CENTRE 4 (1-2),  
 318-325.  
 Aquaculture Data Base No.: 8045

2439 1978

A review of literature and unpublished information on  
 cutthroat trout (*Salmo Clarki Clarki*) of the Willamette  
 watershed.  
 Nicholas, Jay W.  
 Corvallis: Oregon Dept. of Fish and Wildlife, Research  
 and Development Section; 1978. 22 p.  
 NAL Call No.: SH1.I55 No.78-1  
 (Information report series, fisheries ; no. 78-1)  
 (Bibliography: p. 21-22.)

2440 1978

THE RIVER SHRIMP GENUS MACROBRACHIUM  
 AND ITS AQUACULTURE POTENTIAL IN  
 MISSISSIPPI.  
 GUNTER, G.



PROCEEDINGS, ANNUAL MEETING, MISSISSIPPI  
CHAPTER AFS, II, 1978, 11-22. (REPRINT).  
Aquaculture Data Base No.: 8021

2441 1978  
The role of small-scale fisheries and coastal aquaculture  
in integrated rural development, 6-9 December 1978,  
Madras.  
Cochin: Central Marine Fisheries Research Institute;  
1978. 44 p.; 21 cm.  
NAL Call No.: SH299.C43 No.5  
(Central Marine Fisheries Research Institute. CMFRI  
special publication ; no. 5)

2442 1978  
Salmon and trout farming in Norway.  
Edwards, David John.  
Farnham, Surrey : Fishing News Books,. 1978. xii, 195  
p. : ill., chiefly plates.  
NAL Call No.: SH167.S17E4  
(Bibliography: p. 185-186. Includes index.)

2443 1978  
Seafood processing capacity in commercial fisheries  
management: discussion.  
Orth, F.  
American journal of agricultural economics; v. 60, (5), p.  
1028-1029. Dec 1978. (Lexington, Ky., American  
Agricultural Economics Association.)  
(1 ref.)

2444 1978  
SMALL OPERATOR MUST LEARN TO "THINK  
FISH".  
HUDSON, S.  
THE COMMERCIAL FISH FARMER AND  
AQUACULTURE NEWS 4 (6), 46-47.  
Aquaculture Data Base No.: 4917

2445 1978  
SOCIOCULTURAL ASPECTS OF IMPLEMENTING  
AQUACULTURE SYSTEMS IN MARINE FISHING  
COMMUNITIES.  
POLLNAC, R.B.  
ANTHROPOLOGY WORKING PAPER NO.29,  
INTERNATIONAL AQUACULTURE  
CONFERENCE, 2-9 SEPT., 1978, WOODS HOLE  
OCEANOGRAPHIC INSTITUTE, 1-34.  
Aquaculture Data Base No.: 8110

2446 1978  
Statement of [the] Assistant Secretary for Conservation  
Research and Education, U.S. Department of  
Agriculture, accompanied by [the] Aquaculture  
Coordinator [Legislation to promote aquaculture for food  
and other purposes].  
Cutler, M R; Schmittou, R.  
*Aquaculture Hear U S Congr Senate Comm Agric  
Nutr For Subcomm Agric Res Gen Legis.* p. 96-100.  
1978. .)  
NAL Call No.: KF26.A351 1978

2447 1978  
STATUS REPORT ON SALMONID CULTURE IN  
ALASKA.  
WILSON, W.J.; BUCK, E.H.

FISHERIES 3 (5), 10-19.  
Aquaculture Data Base No.: 6239

2448 1978  
SYSTEMCULTURE WORKS ON OAHU.  
PRYOR, T.A.  
THE COMMERCIAL FISH FARMER AND  
AQUACULTURE NEWS 4 (3), 24-25.  
Aquaculture Data Base No.: 4548

2449 1978  
TAILOR-MADE FISH POPULATIONS FOR SMALL  
LAKES.  
LEWIS, W.M.; HEIDINGER, R.C.  
SOUTHERN ILLINOIS UNIVERSITY FISHERIES  
BULLETIN NO. 5, 22P.  
Aquaculture Data Base No.: 4833

2450 1978  
TECHNIQUES FOR CULTURING THE AMERICAN  
EEL.  
RICKARDS, W.L.; JONES, W.R.; FOSTER, J.E.  
PROCEEDINGS OF THE NINTH ANNUAL  
WORKSHOP WORLD MARICULTURE SOCIETY.  
ATLANTA, GEORGIA. 641-646.  
Aquaculture Data Base No.: 6557

2451 1978  
Temporal and spatial distribution of fall chinook salmon  
spawning in Elk River.  
Burck, Wayne A.  
Corvallis: Oregon Dept. of Fish and Wildlife, Research  
and Development Section; 1978. 14 leaves: ill.  
NAL Call No.: SH1.I55 No.78-3  
(Information report series, fisheries ; no. 78-3)  
(Bibliography: leaf 14.)

2452 1978  
Theoretical and empirical considerations for estimating  
capacity and capacity utilization in commercial fisheries.  
Prochaska, F.J.  
American journal of agricultural economics; v. 60, (5), p.  
1020-1025. Dec 1978. (Lexington, Ky., American  
Agricultural Economics Association.)  
(9 ref.)

2453 1978  
TOWARD A BACKYARD FISH GARDEN.  
DECROSTA, A.  
ORGANIC GARDENING 26 (5), 134-141.  
Aquaculture Data Base No.: 6974

2454 1978  
Twentieth Series of Round Tables on the National  
Fishing Industry Panorama. Vigesima Serie de Mesas  
Redondas Panorama Pesquero Nacional. SPANISH.  
Mexico, D. F: Ediciones del Instituto Mexicano de  
Recursos Naturales Renovables; 1978, c1979. 219 p.  
NAL Call No.: SH329.3.M6M4 1978

2455 1978  
THE TWO EXTREMES OF THE FISH  
PRODUCTION INDUSTRY.  
CROSS, D.

WORLD FISHING 27 (3), 77.  
Aquaculture Data Base No.: 4554

(Includes bibliographic references.)

2456 1978  
THE USE OF ARTEMIA CYSTS IN  
AQUACULTURE; -THE CONCEPT "HATCHING  
EFFICIENCY" -DESCRIPTION OF A NEW  
METHOD FOR CYST PROCESSING.  
SORGeloos, P.; Persoone, G.; BAEZA-MESA,  
M.; BOSSUYT, E.; BRUGGEMAN, E.  
AQUACULTURE - ATLANTA - 1978 MEETING,  
1-8.  
Aquaculture Data Base No.: 4906

2457 1978  
THE USE OF WASTES IN FISH FARMING.  
LANDLESS, P.J.  
FISH FARMING INTERNATIONAL 5 (1), 12-15.  
Aquaculture Data Base No.: 4462

2458 1978  
WASTE HEAT UTILIZATION FOR AGRICULTURE  
AND AQUACULTURE - STATE OF THE ART.  
SECTION 1, INTRODUCTION AND SUMMARY.  
BEHREND, L.L.  
TENNESSEE VALLEY AUTHORITY AND  
ELECTRIC POWER RESEARCH INSTITUTE, 1-16.  
Aquaculture Data Base No.: 6053

2459 1978  
WASTE HEAT UTILIZATION FOR AGRICULTURE  
AND AQUACULTURE. STATE OF THE ART.  
SECTION 4. RECLAMATION OF LIVESTOCK  
WASTE THROUGH AQUATIC-AGRICULTURE.  
MADDOX, J.J.; BEHREND, L.L.; PILE, R.S.;  
MADEWELL, C.E.  
TENNESSEE VALLEY AUTHORITY AND  
ELECTRIC POWER RESEARCH INSTITUTE, 1-82.  
Aquaculture Data Base No.: 6120

2460 1978  
WASTE HEAT UTILIZATION FOR AGRICULTURE  
AND AQUACULTURE. STATE OF THE ART.  
SECTION 9. AQUACULTURE.  
HUBERT, W.A.; GRANNEMANN, K.L.; WYATT,  
J.M.; PILE, R.S.; MADEWELL, C.E.; GLUDE, J.B.  
TENNESSEE VALLEY AUTHORITY AND  
ELECTRIC POWER RESEARCH INSTITUTE, 1-133.  
Aquaculture Data Base No.: 6121

2461 1978  
WATERFRONT AQUACULTURE.  
GLUDE, J.B.  
THE COMMERCIAL FISH FARMER AND  
AQUACULTURE NEWS 4 (6), 35-37.  
Aquaculture Data Base No.: 4919

1977

2462 1977  
Alternative management plans for yellowfin tuna in the  
eastern tropical Pacific.  
Flagg, Virginia G.  
San Diego, Calif: Center for Marine Studies, San Diego  
State University; 1977. 49 leaves: ill.; 28 cm.  
NAL Call No.: SH214.62.F5  
Sponsored by NOAA Office of Sea Grant, Dept. of  
Commerce under Grant no. USDC 04-3-158-22, Project  
no. R/ME-3.  
(Special report - Center for Marine Studies, San Diego  
State University)

2463 1977  
AN ALTERNATIVE PRAWN PRODUCTION  
SYSTEMS DESIGN IN HAWAII.  
GIBSON, R.T.; WANG, J.K.  
UNIVERSITY OF HAWAII. SEA GRANT  
TECHNICAL REPORT  
UNIHI-SEAGRANT-TR-77-05. HAES JOURNAL  
SERIES PAPER NO. 2142. 1-33.  
Aquaculture Data Base No.: 4654

2464 1977  
ANCIENT TECHNIQUE COULD BOOST  
PRODUCTIVITY OF U.S. FISH FARMS.  
KUZENSKI, S.  
SEA GRANT '70S 7 (7), 5.  
Aquaculture Data Base No.: 4431

2465 1977  
APPLICATION OF UNDERWATER ACOUSTICS  
TO AQUACULTURE.  
MANIWA, Y.  
PROCEEDINGS OF THE THIRD JAPAN-SOVIET  
JOINT SYMPOSIUM ON AQUACULTURE, NOV.,  
1974, TOKYO JAPAN, 51-62. (IN JAPANESE WITH  
ENGLISH ABSTRACT).  
Aquaculture Data Base No.: 6305

2466 1977  
Aquacultural engineering.  
Wheaton, Fredrick Warner.  
New York : Wiley, c1977. xx, 708 p. : ill. ; 24 cm. -  
NAL Call No.: SH135.W49  
(Ocean engineering, a Wiley series)  
("A Wiley-Interscience publication." Includes  
bibliographies and index.)

2467 1977  
AQUACULTURE OF GREEN MUSSEL MYTILUS  
VIRIDIS L. CULTIVATION ON ROPES FROM  
FLOATING RAFTS.  
QASIM, S.Z.; PARULKAR, A.H.; HARKANTRA,  
S.N.; ANSARI, Z.A.; NAIR, A.  
INDIAN JOURNAL OF MARINE SCIENCES 6 (1),  
15-25.  
Aquaculture Data Base No.: 6167

2468 1977  
THE AQUACULTURE OF MACROBRACHIUM  
ROSENBERGII.  
CUNNINGHAM, S.; CALANTOC, A.A.  
PROCEEDINGS OF THE SECOND ANNUAL  
STUDENT SYMPOSIUM ON MARINE AFFAIRS,  
MAY 27, 1977, UNIHI-SEAGRANT-MR-77-02,  
122-132.  
Aquaculture Data Base No.: 8625

2469 1977  
AQUACULTURE OF THE GREEN MUSSEL,  
MYTILUS VIRIDIS LINNAEUS, IN MALAYSIA.  
SIVALINGAM, P.M.  
AQUACULTURE 11 (4), 297-312.  
Aquaculture Data Base No.: 4140

2470 1977  
AQUACULTURE USING THERMAL EFFLUENTS.  
SUCCESS ON COMMERCIAL BASIS.  
SHIMBUN, M.



MINATO SHIMBUN, 9001, 1P. (ENGLISH TRANSLATION BY LANGUAGE SERVICES BRANCH, NMFS, NOAA, 7P.).  
Aquaculture Data Base No.: 6927

2471 1977  
ARTISANAL METHODS IN FRENCH OYSTERCULTURE: A REGIONAL COMPARISON. ANDERSON, S.L.  
PROCEEDINGS OF THE EIGHTH ANNUAL WORKSHOP WORLD MARICULTURE SOCIETY, SAN JOSE, COSTA RICA, 373-386.  
Aquaculture Data Base No.: 8285

2472 1977  
The Bering Sea Tanner crab resource : U.S. production capacity and marketing.  
Fairbanks: Alaska Sea Grant Program, University of Alaska; Springfield, Va. \_ for sale by National Technical Information Service \_ 1977. iv, 157 leaves: ill., maps; 28 cm.  
NAL Call No.: 157.8 R29 no. 272134  
"Alaska Sea Grant report no. 77-5."  
(United States. National Technical Information Service. PB ; 272134)  
(Includes bibliographies.)

2473 1977  
BIOMASS PRODUCTION IN MASS CULTURES OF MARINE PHYTOPLANKTON AT VARYING TEMPERATURES.  
GOLDMAN, J.C.  
JOURNAL OF EXPERIMENTAL MARINE BIOLOGY AND ECOLOGY 27 (2), 161-169.  
Aquaculture Data Base No.: 3936

2474 1977  
Biotechnic strategies in bioshelters [Advanced solar greenhouses which contain gardens, aquaculture ponds and human habitation in a single integrated ecosystem]. Barnhart, E.  
*In Proceedings of the Conference on Energy-Conserving Solar-Heated Greenhouses.* p. 222-228. 1977. .)  
NAL Call No.: TH7413.C6 1977

2475 1977  
BIVALVE MOLLUSC CULTURE IN A WASTE RECYCLING AQUACULTURE SYSTEM 1. SUMMARY.  
RYTHER, J.H.; MANN, R.  
WOODS HOLE OCEANOGRAPHIC INSTITUTION, WHOI-77-59. UNPUBLISHED MANUSCRIPT. 3P.  
Aquaculture Data Base No.: 6159

2476 1977  
BIVALVE MOLLUSC CULTURE IN A WASTE RECYCLING AQUACULTURE SYSTEM. THE EFFECT OF SUBSTRATE PARTICLE SIZE ON GROWTH OF THE MANILA CLAM TAPES JAPONICA.  
MANN, R.  
WOODS HOLE OCEANOGRAPHIC INSTITUTION, WHOI-77-59. UNPUBLISHED MANUSCRIPT. 16P.  
Aquaculture Data Base No.: 6158

2477 1977  
BRACKISH WATER FISH AND PRAWN CULTURE. DWIVEDI, S.N.; REDDI, D.V.

FISH FARMING INTERNATIONAL 4 (1), 14-16.  
Aquaculture Data Base No.: 3975

2478 1977  
CAGE CULTURE OF SEVEN FISH SPECIES IN A POWER PLANT EFFLUENT CHARACTERIZED BY WIDE SALINITY FLUCTUATIONS.  
HOLT, R.S.; STRAWN, K.  
PROCEEDINGS OF THE EIGHTH ANNUAL WORKSHOP WORLD MARICULTURE SOCIETY, SAN JOSE, COSTA RICA. 24P.  
Aquaculture Data Base No.: 3356

2479 1977  
CHANNEL CATFISH FARMING IN LOUISIANA. DAVIS, J.T.; HUGHES, J.S.  
LOUISIANA WILD LIFE AND FISHERIES COMMISSION WILDLIFE EDUCATION BULLETIN NO. 98. 1-47.  
Aquaculture Data Base No.: 4811

2480 1977  
COMBINED PRODUCTION OF FISH AND PLANTS IN RECIRCULATING WATER.  
NAEGEL, L.C.A.  
AQUACULTURE 10 (1), 17-24.  
Aquaculture Data Base No.: 3225

2481 1977  
COMMERCIAL CULTURE OF BLUE SHRIMP (PENAEUS STYLIROSTRIS, STIMPSON) IN COLOMBIA.  
VON PRAHL, H.; GARDEAGABAL, M.  
PROCEEDINGS OF THE EIGHTH ANNUAL WORKSHOP WORLD MARICULTURE SOCIETY, SAN JOSE, COSTA RICA. 28P.  
Aquaculture Data Base No.: 3329

2482 1977  
A Comprehensive review of the commercial mussel industries in the United States.  
Lutz, Richard A.  
Washington : The Service : for sale by the Supt. of Docs., U.S. Govt. Print. Off., 1977. 134 p. : ill. ; 27 cm.  
NAL Call No.: SH372.52.U6C65  
("NOAA-S/T 77-2753." "Ira C. Darling Center ref. no. 76-25." Bibliography: p. 79-87.)

2483 1977  
Concept for the development of long-term management plans for aquatic plant control : final report.  
Sanders, Dana Roy; Decell, Joseph Lewis.  
Vicksburg, Miss: Mobility and Environmental Systems Laboratory, U.S. Army Engineer Waterways Experiment Station; 1977. 23, (1) p.: ill.; 27 cm.  
NAL Call No.: TC409.S2  
Cover title Prepared for Office, Chief of Engineers, U.S. Army, Washington, D.C Issued June 1977 "Aquatic Plant Control Research Program."

2484 1977  
CONCEPTS IN FISH TANK DESIGN.  
HENRY, R.  
UNIVERSITY OF WISCONSIN SEA GRANT COLLEGE PROGRAM ADVISORY REPORT 421, 70-72.  
Aquaculture Data Base No.: 6271

2485 1977  
CONTROLLED ENVIRONMENT AQUACULTURE OF PENAEIDS.

SALSER, B.; MAHLER, L.; LIGHTNER, D.; URE, J.; DANALD, D.; BRAND, C.; STAMP, N.; MOORE, D.; COLVIN, B.  
 ENVIRONMENTAL RESEARCH LABORATORY,  
 TUCSON, ARIZONA, REPRINT NO. 46, 20P. FOOD  
 - DRUGS FROM THE SEA PROCEEDINGS 1977.  
 NORMAN, OKLAHOMA.  
 Aquaculture Data Base No.: 4694

2486 1977  
 CULTURE OF MARINE FISHES IN THE THIRD  
 WORLD.  
 MISTAKIDIS, M.N.  
 FAO FISHERIES CIRCULAR NO.704, 1-6.  
 Aquaculture Data Base No.: 7608

2487 1977  
 CULTURE OF THE SHOAL BASS.  
 JOHNSON, T.L.  
 GEORGIA DEPARTMENT OF NATURAL  
 RESOURCES GAME AND FISH DIVISION, 1-15.  
 Aquaculture Data Base No.: 8644

2488 1977  
 CURRENT STATUS OF THE CULTURE OF RIVER  
 SHRIMPS OF THE GENUS MACROBRACHIUM.  
 BRICK, R.W.  
 TEXAS A AND M UNIVERSITY. SEA GRANT  
 COLLEGE. TAMU-SG-77-105. FIRST ANNUAL  
 TROPICAL AND SUBTROPICAL FISHERIES  
 TECHNOLOGICAL CONFERENCE, PROC. VOL. 1.  
 69-76.  
 Aquaculture Data Base No.: 3270

2489 1977  
 DEVELOPMENT OF AN AQUACULTURAL  
 PROGRAM FOR REHABILITATION OF  
 DAMAGED OYSTER REEFS IN MISSISSIPPI.  
 MACKENZIE, C. L, JR.  
 MARINE FISHERIES REVIEW 39 (8), 1-13.  
 Aquaculture Data Base No.: 4471

2490 1977  
 DEVELOPMENT OF AQUACULTURE SYSTEMS.  
 HAND, C.  
 UNIVERSITY OF CALIFORNIA. SEA GRANT  
 COLLEGE PROGRAM. SG PUB. NO. 58, 93P. IMR  
 REFERENCE 77-105.  
 Aquaculture Data Base No.: 4129

2491 1977  
 Disadvantages of deep, sheltered ponds for intensive  
 catfish culture.  
 Pamatmat, M M; Mezainis, V.  
 Highlights Agric Res. 24 (4): 7. Winter 1977. .)  
 NAL Call No.: 100 AL1H

2492 1977  
 The effect of solar energy on aquaculture support: a  
 preliminary assessment [Greenhouses].  
 Coppinger, E.  
 In Proceedings of the Conference on  
 Energy-Conserving Solar-Heated Greenhouses. p.  
 122-126. 1977. .)  
 NAL Call No.: TH7413.C6 1977

2493 1977  
 ESTUARINE AND FRESHWATER CULTURE OF  
 1974 BROOD COHO SALMON IN NET PENS AND  
 FLOATING RACEWAYS AT LITTLE PORT  
 WALTER, ALASKA.

HEARD, W.R.; MARTIN, R.W.; WERTHEIMER,  
 A.C.  
 NORTHWEST AND ALASKA FISHERIES CENTER  
 PROCESSED REPORT. APRIL 1977. 1-55.  
 Aquaculture Data Base No.: 4180

2494 1977  
 Farmed fish, cows and pigs.  
 Windsor, M; Cooper, M.  
 New Sci (London). 75 (1070): 740-742. Sept 22, 1977. .)  
 NAL Call No.: 472 N42

2495 1977  
 Fish culture in shallow and polluted waters. Senkai  
 yoshoku to jika osen.  
 Tokyo: Koseisha Koseikaku; 1977. 134 p.: ill.  
 NAL Call No.: SH301.N5  
 (Includes bibliographies.)

2496 1977  
 Fish farming--the economics and engineering problems  
 [Protein production].  
 Shepherd, C J.  
 J Proc Inst Agric Eng (Lond). 32 (3): 72-73. Autumn  
 1977. .)  
 NAL Call No.: 58.9 IN7

2497 1977  
 FISHERIES AND AQUACULTURE OF THE  
 CONCH, STROMBUS GIGAS, IN THE  
 CARIBBEAN.  
 BROWNELL, W.N.  
 FAO FISHERIES REPORTS NO. 200, 59-70. (IN  
 ENGLISH W/SPANISH ABSTRACT).  
 Aquaculture Data Base No.: 7364

2498 1977  
 Fishing and fish-culture. Pesca e piscicultura. POR.  
 Santos, Eurico.  
 Belo Horizonte : Editora Itatiaia,. 1977. 212 p. : ill.,  
 maps. -.  
 NAL Call No.: SH585.S3  
 (Colecao vis mea in labore ; v. 2)  
 (Bibliography: p. 210-212.)

2499 1977  
 Floating fishpens for rearing fishes in coastal waters,  
 reservoirs and mining pools in Malaysia.  
 Chua, Thia-Eng.  
 Kuala Lumpur : Ministry of Agriculture, Malaysia,.  
 1977. vii, 35 p. : ill. ; 24 cm. -.  
 NAL Call No.: SH307.M32F5 No.20  
 (Fisheries bulletin ; no. 20)  
 (Bibliography: p. 27-29.)

2500 1977  
 THE FRESHWATER CRAYFISH.  
 KARLSSON, A.S.  
 FISH FARMING INTERNATIONAL 4 (2), 8-12.  
 Aquaculture Data Base No.: 3955

2501 1977  
 Freshwater fisheries and aquaculture in China ; A report  
 of the FAO Fisheries (Aquaculture) Mission to China,  
 21 April - 12 May 1976.  
 Tapiador, D D.



Rome : FAO., 1977. xiii, 84 p. : ill.  
 NAL Call No.: SH1.F2 No.168  
 (FAO fisheries technical paper ; no. 168)  
 (Bibliography: p. 74.)

2502 1977  
 GRASS CARP (CTENOPHARYNGODON IDELLA VAL.) IN EUROPE.  
 VAN ZON, J.C.  
 AQUATIC BOTANY 3 (2), 143-155.  
 Aquaculture Data Base No.: 4512

2503 1977  
 GRASS CARP (CTENOPHARYNGODON IDELLA VAL.) IN NORTH AMERICA.  
 SUTTON, D.L.  
 AQUATIC BOTANY 3 (2), 157-164.  
 Aquaculture Data Base No.: 4513

2504 1977  
 GROWING THE JAPANESE OYSTER (CRASSOSTREA GIGAS) IN SUBTROPICAL SEAWATER FISH PONDS. 1. GROWTH RATE, SURVIVAL AND QUALITY INDEX.  
 HUGHES-GAMES, W.L.  
 AQUACULTURE 11 (3), 217-229.  
 Aquaculture Data Base No.: 4242

2505 1977  
 The integration of aquaculture with agriculture.  
 Buck, D H.  
 Fisheries. 2 (6): 11-12, 14-16. Nov/Dec 1977. )  
 NAL Call No.: SH1.F54

2506 1977  
 INTEGRATION OF THERMAL AND FOOD PROCESSING RESIDUALS INTO A SYSTEM FOR COMMERCIAL CULTURE OF FRESHWATER SHRIMP (POWER PLANT WASTE HEAT UTILIZATION IN AQUACULTURE). VOL.I.  
 GUERRA, C.R.; GODFRIAUX, B.L.; EBLE, A.F.; FARMANFARMAIAN, A.; PITMAN, R.; CAMPBELL, P.  
 PUBLIC SERVICE ELECTRIC AND GAS CO. RESEARCH AND DEVELOPMENT DEPARTMENT. FINAL REPORT. NSF/RANN GRANT NO.S AEN 74-14079 A01, GI-43925, PSE&G GRANT RD-378. 1, 1-52.  
 Aquaculture Data Base No.: 4650

2507 1977  
 INTEGRATION OF THERMAL AND FOOD PROCESSING RESIDUALS INTO A SYSTEM FOR COMMERCIAL CULTURE OF FRESHWATER SHRIMP (POWER PLANT WASTE HEAT UTILIZATION IN AQUACULTURE). VOL.II.  
 EBLE, A.F.  
 PUBLIC SERVICE ELECTRIC AND GAS CO. RESEARCH AND DEVELOPMENT DEPARTMENT. FINAL REPORT. NSF/RANN GRANT NO.S AEN 74-14079 A01, GI-43925. 2, 1-165.  
 Aquaculture Data Base No.: 4651

2508 1977  
 INTENSIVE CULTURE OF GRASS CARP, CTENOPHARYNGODON IDELLA, IN CIRCULAR TANKS.  
 SHIREMAN, J.V.; COLLE, D.E.; ROTTMANN, R.W.

JOURNAL OF FISH BIOLOGY 11 (3), 267-272.  
 Aquaculture Data Base No.: 3934

2509 1977  
 INTENSIVE CULTURE OF YELLOW PERCH (PERCA FLAVESCENS).  
 WEST, G.R.  
 UNIVERSITY OF WISCONSIN SEA GRANT COLLEGE PROGRAM ADVISORY REPORT 421, 41-54.  
 Aquaculture Data Base No.: 6265

2510 1977  
 INTERNATIONAL COOPERATION FURTHERS PRAWN AQUACULTURE IN JAPAN.  
 SIMPSON, K.L.; KATAYAMA, T.  
 MARITIMES, GRADUATE SCHOOL OF OCEANOGRAPHY, UNIVERSITY OF RHODE ISLAND, 7-9.  
 Aquaculture Data Base No.: 3628

2511 1977  
 Japanese fisheries: eels. Nihon no suisan, unagi.  
 Tomiyama, Tetsuo  
 Tokyo: Zen Nihon Suisan Shashin Shiryo Kyokai; 1977.  
 (x), 234 p.: plates (chiefly col.).  
 NAL Call No.: SH351.E4N5

2512 1977  
 Management of weedy lakes and ponds with grass carp [Biological control of excess aquatic vegetation].  
 Rottmann, R.  
 Fisheries. 2 (5): 8-9, 11-13. Ref. Sept/Oct 1977. )  
 NAL Call No.: SH1.F54

2513 1977  
 Marine ecology and fishery analysis. Umi no seitai-gaku to sokutei.  
 Tokyo: Koseisha Koseikaku; 1977. 119 p.: ill.  
 NAL Call No.: SH333.N5  
 (Includes bibliographies.)

2514 1977  
 MONOSEX TILAPIA CULTURE.  
 CHEN, T.P.  
 FISH FARMING INTERNATIONAL 4 (4), 15.  
 Aquaculture Data Base No.: 4468

2515 1977  
 MOSQUITOFISH PRODUCTION SYSTEMS IN ARKANSAS.  
 NEWTON, S.H.; MEISCH, M.V.  
 ARKANSAS FARM RESEARCH JOURNAL 23 (4), 4.  
 Aquaculture Data Base No.: 6426

2516 1977  
 MOSQUITOFISH, GAMBUSIA AFFINIS (BAIRD AND GIRARD) PRODUCTION IN EXTENSIVE POLYCULTURE SYSTEMS.  
 NEWTON, S.H.; MERKOWSKY, A.J.; HANDCOCK, A.J.; MEISCH, M.V.  
 PROCEEDINGS OF THE ARKANSAS ACADEMY OF SCIENCE 31, 77-78.  
 Aquaculture Data Base No.: 6427

2517 1977  
 NITTY-GRITTY OF CATFISH FARMING.  
 MENEZES, F., JR.

THE COMMERCIAL FISH FARMER AND  
AQUACULTURE NEWS 3 (3), 13-21.  
Aquaculture Data Base No.: 4561

2518 1977  
OYSTER SPAT SET ON NATURAL CULTCH IN  
THE MARYLAND PORTION OF THE  
CHESAPEAKE BAY (1939-1975).  
MERITT, D.W.  
UNIVERSITY OF MARYLAND, CEES SPECIAL  
REPORT NO. 7, 30P.  
Aquaculture Data Base No.: 4030

2519 1977  
The pike perch and fish breeder. Le sandre et sa  
pisciculture. FRE.  
Gagne, Jean Luc.  
Toulouse : Ecole nationale veterinaire., 1977. 161 p. : ill.  
-.  
NAL Call No.: 41.2 T646 1977 No.97  
(Toulouse. Ecole nationale veterinaire. These ; 1977,  
no. 97)  
(Bibliography: p. [146]-153.)

2520 1977  
POLYCULTURE OF RED SWAMP CRAYFISH  
(PROCAMBARUS CLARKII), CHANNEL CATFISH  
(ICTALURUS PUNCTATUS), BIGMOUTH  
BUFFALO (ICTIOBUS CYPRINELLUS) AND  
PADDLEFISH (POLYODON SPATHULA)).  
TUTEN, J.S.  
LOUISIANA STATE UNIVERSITY. MASTERS  
THESIS, 1-47.  
Aquaculture Data Base No.: 6535

2521 1977  
Pond culture of catfish, tilapia, and silver carp.  
Dunseth, D; Smitherman, N.  
Highlights Agric Res. 24 (3): 4. Fall 1977. .)  
NAL Call No.: 100 AL1H

2522 1977  
THE POTENTIAL FOR MULLET AND MILKFISH  
CULTURE IN HAWAIIAN FISHPONDS.  
MADDEN, W.D.; PAULSEN, C.  
HAWAII DEPARTMENT OF PLANNING AND  
ECONOMIC DEVELOPMENT, 1-54.  
Aquaculture Data Base No.: 7652

2523 1977  
THE POTENTIAL USE OF POWER PLANT  
REJECT HEAT IN COMMERCIAL  
AQUACULTURE.  
OLSZEWSKI, M.  
OAK RIDGE NATIONAL LABORATORY.  
ORNL/TM-5663, 1-45.  
Aquaculture Data Base No.: 6196

2524 1977  
POWER PLANT WASTE HEAT UTILIZATION IN  
AQUACULTURE. FIRST ANNUAL REPORT.  
APPENDIX V. STATUS REPORT. (PERFORMANCE  
PERIOD: NOV., 1976 - NOV., 1977).  
EBLE, A.F.  
PUBLIC SERVICE ELECTRIC AND GAS CO.  
RESEARCH AND DEVELOPMENT DEPARTMENT.  
STATUS REPORT. NSF/RANN GRANT NO.S ENV  
76-19854 A01, PSE&G GRANT RO-443 I-VIII, 1-69.  
Aquaculture Data Base No.: 6049

2525 1977  
Practical shellfish farming.  
Schwind, Phil.  
Camden, Maine : International Marine Publishing Co.,  
1977. ix, 91 p. : ill.  
NAL Call No.: SH365.A3S3  
(Bibliography: p. 90-91.)

2526 1977  
A preliminary assessment of the unique features of a  
parabolic aquaculture.  
Straub, D; Brown, E.  
In Proceedings of the Conference on  
Energy-Conserving Solar-Heated Greenhouses. p.  
114-121. 1977. .)  
NAL Call No.: TH7413.C6 1977

2527 1977  
A PRELIMINARY REPORT ON REARING  
PENAEID SHRIMP IN ISRAEL.  
SAMOCHA, T.; LEWINSOHN, C.  
AQUACULTURE 10 (3), 291-292.  
Aquaculture Data Base No.: 3523

2528 1977  
PRELIMINARY STUDIES ON A COMBINED  
SEAWEED MARICULTURE-TERTIARY WASTE  
TREATMENT SYSTEM.  
DE BOER, J.A.; RYTHER, J.H.  
PROCEEDINGS OF THE EIGHTH ANNUAL  
WORKSHOP WORLD MARICULTURE SOCIETY.  
SAN JOSE, COSTA RICA, 13P.  
Aquaculture Data Base No.: 3198

2529 1977  
PRELIMINARY STUDY ON THE CULTURE OF  
THE FRESHWATER PRAWN MACROBRACHIUM  
ROSENBERGII.  
ADISUKRESNO, S.  
BULLETIN OF THE BRACKISHWATER  
AQUACULTURE DEVELOPMENT CENTRE 3 (1-2),  
227-236.  
Aquaculture Data Base No.: 7495

2530 1977  
PROGRESS OF MARINE FISH FARMING IN  
BRITAIN.  
HOLLOWAY, T.  
SEA FRONTIERS 23 (1), 48-54.  
Aquaculture Data Base No.: 4617

2531 1977  
RAINBOW TROUT PRODUCTION IN SOUTHERN  
ARKANSAS.  
NEWTON, S.H.; HANDCOCK, A.J.; MERKOWSKY,  
A.J.  
ARKANSAS FARM RESEARCH JOURNAL 26 (5),  
PG.6. (REPRINT).  
Aquaculture Data Base No.: 6380

2532 1977  
RAISING FRESH FISH IN YOUR HOME WATERS.  
BORTZ, B.; RUTTLE, J.; PODEMS, M.  
RODALE RESOURCES INC., 34P.  
Aquaculture Data Base No.: 4849

2533 1977  
The Ramapo aquaculture-greenhouse system [Solar  
energy].  
Makofske, W.



*In Proceedings of the Conference on Energy-Conserving Solar-Heated Greenhouses.* p. 44-47. 1977. )  
NAL Call No.: TH7413.C6 1977

2534 1977  
RAPID START-UP OF A BIOLOGICAL FILTER IN A CLOSED AQUACULTURE SYSTEM.  
CARMIGNANI, G.M.; BENNETT, J.P.  
AQUACULTURE 11 (1), 85-88.  
Aquaculture Data Base No.: 4184

2535 1977  
REPORT ON THE STATUS AND OCCURRENCE OF MILKFISH FRY IN INDONESIA.  
HAMID, S.N.; MARTOSUDARMO, B.; MARDJONO, M.  
BULLETIN OF THE BRACKISHWATER AQUACULTURE DEVELOPMENT CENTRE 3 (1-2), 237-246.  
Aquaculture Data Base No.: 7494

2536 1977  
RESULT OF POND CULTURE OF PENAEID SHRIMP AT THE JEPARA CENTRE IN 1976/1977.  
MINTARDJO, K.; ADISUKRESNO, S.; YANG, W.T.  
BULLETIN OF THE BRACKISHWATER AQUACULTURE DEVELOPMENT CENTRE 3 (1-2), 213-222.  
Aquaculture Data Base No.: 7497

2537 1977  
Sea fish farming [Food production].  
*Br Food J.* 79 (878): 87. May/June 1977. )  
NAL Call No.: 389.8 B77

2538 1977  
Selected bibliography of water reuse systems for aquaculture.  
Parker, Nick C.  
College Station : Texas Agricultural Experiment Station, Texas A & M University System., 1977. i, 34 p.  
NAL Call No.: 100 T31M No.1314  
(Texas. Agricultural Experiment Station. MP ; 1314)  
(Includes index.)

2539 1977  
Shrimp and prawn farming in the Western Hemisphere ;; State-of-the-art-reviews and status assessments.  
Hanson, Joe A.; Goodwin, Harold Leland.  
Stroudsburg, Pa. : Dowden, Hutchinson & Ross., 1977. xiii, 439 p. : ill., maps.  
NAL Call No.: SH380.6.S47  
(Bibliography: p. 391-439.)

2540 1977  
SHRIMP AND PRAWN FARMING IN THE WESTERN HEMISPHERE. BOOK II. FRESHWATER PRAWN FARMING (GENUS MACROBRACHIUM) IN THE WESTERN HEMISPHERE.  
GOODWIN, H.L.; HANSON, J.A.; TRIMBLE, W.C.; SANDIFER, P.A.S  
SHRIMP AND PRAWN FARMING IN THE WESTERN HEMISPHERE, BOOK II, DOWDEN, HUTCHINSON & ROSS, INC., 193-439.  
Aquaculture Data Base No.: 8568

2541 1977  
SHRIMP MARICULTURE RESEARCH ADVANCES.

BROWN, J. E.  
SEA GRANT '70S 7 (10), 2-4, 6-7.  
Aquaculture Data Base No.: 4399

2542 1977  
THE SOCIO-ECONOMIC IMPACT OF MACROBRACHIUM ROSENBERGII FARMING IN PALAU (A PRELIMINARY REPORT).  
BLOMMESTEIN, E; DEESE, H.; MCVEY, J.P.  
PROCEEDINGS OF THE EIGHTH ANNUAL WORKSHOP WORLD MARICULTURE SOCIETY, SAN JOSE, COSTA RICA. 19P.  
Aquaculture Data Base No.: 3263

2543 1977  
SOFT-SHELL TURTLE CULTURE IN TAIWAN.  
FORREST, D.M.  
FISH FARMING INTERNATIONAL 4 (2), 30.  
Aquaculture Data Base No.: 3959

2544 1977  
Solar energy system design for a lobster aquaculture facility.  
(Washington): Dept. of Energy; 1979. 119 p. in various pagings: ill.; 28 cm.  
NAL Call No.: TJ810.S3

2545 1977  
SOME ASPECTS OF SHRIMP CULTURE RESEARCH WITH PARTICULAR REFERENCE TO PHILIPPINE SPECIES.  
COOK, H.L.  
FISHERIES RESEARCH JOURNAL OF THE PHILIPPINES 2 (2), 50-53.  
Aquaculture Data Base No.: 8133

2546 1977  
SOME INITIAL AQUACULTURE EXPERIMENTS IN RECIRCULATING WATER SYSTEMS.  
BOHL, M.  
AQUACULTURE 11 (4), 323-328.  
Aquaculture Data Base No.: 4150

2547 1977  
SPECIES PLAN FOR FRESHWATER PRAWNS OF THE GENUS MACROBRACHIUM.  
GLUDE, J.B.; SHLESER, R.A.; BLEDSOE, L.J.  
UNPUBLISHED, 89 PP.  
Aquaculture Data Base No.: 7716

2548 1977  
State-of-the-arts paper, yield models and tropical artisanal fishery development.  
Stevenson, D K; Sails, S B.  
Kingston : International Center for Marine Resouce Development, University of Rhode Island., [1977?]. 28, [4] leaves.  
NAL Call No.: SH321.S7  
(Cover title. Bibliography: leaves [29]-[32])

2549 1977  
A SUBJECTIVE ANALYSIS OF ALTERNATE APPROACHES TO THE MASS CULTURING OF SEAWEEDS.  
HUGUENIN, J.E.

PROCEEDINGS OF THE EIGHTH ANNUAL WORKSHOP WORLD MARICULTURE SOCIETY, SAN JOSE, COSTA RICA. 16P.  
Aquaculture Data Base No.: 3430

2550 1977  
SURVIVAL OF AMERICAN LOBSTERS (HOMARUS AMERICANUS) STORED IN A RECIRCULATING, REFRIGERATED SEAWATER SYSTEM.  
CORNICK, J.W.; STEWART, J.E.  
JOURNAL OF THE FISHERIES RESEARCH BOARD OF CANADA 34 (5), 688-692.  
Aquaculture Data Base No.: 3858

2551 1977  
THE TECHNOLOGY OF PERCH AQUACULTURE.  
SODERBERG, R.W.; QUIGLEY, J.T.  
UNIVERSITY OF WISCONSIN SEA GRANT COLLEGE PROGRAM ADVISORY REPORT 416, 1-32.  
Aquaculture Data Base No.: 6441

2552 1977  
THERMAL AQUACULTURE.  
PETERSON, R.E.; SEO, K.K.  
PROCEEDINGS OF THE EIGHTH ANNUAL WORKSHOP WORLD MARICULTURE SOCIETY, SAN JOSE, COSTA RICA. 20P.  
Aquaculture Data Base No.: 3331

2553 1977  
TILAPIA FARM IN OREGON.  
KLOPFENSTEIN, D.; KLOPFENSTEIN, I.  
FISH FARMING INTERNATIONAL 4 (3), 6-8.  
Aquaculture Data Base No.: 4385

2554 1977  
Underwater [catfish] farming [Pond management].  
Menezes, F.  
*Soil Conserv.* 42 (9): 22. Apr 1977. .)  
NAL Call No.: 1.6 SO3S

2555 1977  
Use of agriculture wastes in aquaculture.  
Meyers, S P.  
*Feedstuffs.* 49 (11): 34, 50. Mar 14, 1977. .)  
NAL Call No.: 286.81 F322

2556 1977  
VENTURE ANALYSES FOR INTENSIVE WASTE HEAT AQUACULTURE.  
GODFRIAUX, B.L.; RESH, R.E.; GUERRA, C.R.  
PROCEEDINGS OF THE EIGHTH ANNUAL WORKSHOP WORLD MARICULTURE SOCIETY, SAN JOSE, COSTA RICA. 22P.  
Aquaculture Data Base No.: 3244

2557 1977  
WANT TO RAISE FRESHWATER PRAWNS? IT'S TOUGH, BUT HERE'S SOME ADVICE.  
GOODWIN, H.L.  
THE COMMERCIAL FISH FARMER AND AQUACULTURE NEWS 3 (2), 12-14.  
Aquaculture Data Base No.: 3629

2558 1977  
Waste heat utilization from power plants with an integrated agricultural and aquacultural system.

Meekhof, R L; Schisler, I P; Bakker-Arkema, F W; Connor, L J; Merva, G E; Roth, M G; Schultink, V M; Stout, B A; Tummala, R L.  
*In Agriculture and Energy.* W. Lockeretz, ed.. p. 507-522. Ref. 1977. .)  
NAL Call No.: S494.5.E5A37

2559 1977  
WET AND DRY SEASON COMPARISON OF TILAPIA AUREA PRODUCTION IN EL SALVADOR IN NEW FERTILIZED AND UNFERTILIZED EARTHEN PONDS.  
LEDGERWOOD, R.D.; HUGHES, D.G.; ORTIZ, M.V.  
PROCEEDINGS OF THE EIGHTH ANNUAL WORKSHOP WORLD MARICULTURE SOCIETY, SAN JOSE, COSTA RICA. 25P.  
Aquaculture Data Base No.: 3350

1976

2560 1976  
Application of manganese trace fertilizers during different stages of the ontogenesis of the sandre, carp, and bream [Fish farming].  
Shkodin, N V; Vorob'ev, V I.  
*Sov Agric Sci.* 9: 48-50. 1976 (transl. 1977). .)  
NAL Call No.: S1.S68  
(Translated from Vsesoiuznaia Akademiia Sel'skhoziastvennykh Nauk Doklady 9: 38-39. (20 Ak1))

2561 1976  
Aquacultural techniques for creating and restoring beds of giant kelp, *Macrocystis* spp. [Algae].  
North, W J.  
*J Fish Res Board Can.* 33 (special issue 4, pt. 2): 1015-1023. Maps. Apr 1976. .)  
NAL Call No.: 442.9 C16J

2562 1976  
AQUACULTURE IN THERMAL EFFLUENTS FROM POWER PLANTS.  
GUERRA, C.R.; GODFRIAUX, B.L.; EBLE, A.F.; STOLPE, N.E.  
PROCEEDINGS OF THE TENTH EUROPEAN SYMPOSIUM ON MARINE BIOLOGY. OSTEND, BELGIUM, SEPT. 17-23, 1975. 1, 189-205.  
Aquaculture Data Base No.: 3777

2563 1976  
Aquaculture of Marron, *Cherax tenuimanus* (Smith).  
Morrissy, N M.  
Perth : Western Australian Marine Research Laboratories, Dept. of Fisheries and Wildlife,. 1976. v. -.  
NAL Call No.: SH317.A1W4 No.17,ETC  
(Western Australian Marine Research Laboratories. Fisheries research bulletin ; no. 17, etc.)

2564 1976  
AQUACULTURE OF SEAWEEDS ON ARTIFICIAL SUBSTRATES.  
MUMFORD, T.F.; WASLAND, J.R.  
UNIVERSITY OF WASHINGTON. SEA GRANT PROJECT SUMMARY. R/A 12, 176-182.  
Aquaculture Data Base No.: 3702

2565 1976  
Aquaculture planning in Asia : report of the Regional Workshop on Aquaculture Planning in Asia, Bangkok, Thailand, 1-17 October 1975.



Rome: United Nations Development Programme and the Food and Agriculture Organization of the United Nations; 1976. iii, 154; 27 cm.

NAL Call No.: SH103.R3 1975

At head of title: Aquaculture Development and Coordination Programme ADCP/REP/76/2.

(ADCP/REP / Aquaculture Development and Coordination Programme ; 76/2)

2566 1976  
AQUACULTURE 1976. CRUSTACEANS.  
JENSEN, K.  
UNIVERSITY OF DELAWARE. A DIGEST OF SEA GRANT RESEARCH. 14-19.  
Aquaculture Data Base No.: 3074

2567 1976  
AQUACULTURE 1976. MARINE PLANTS.  
JENSEN, K.  
UNIVERSITY OF DELAWARE. A DIGEST OF SEA GRANT RESEARCH. 26-31.  
Aquaculture Data Base No.: 3073

2568 1976  
AQUACULTURE 1976. MOLLUSCS.  
JENSEN, K.  
UNIVERSITY OF DELAWARE. A DIGEST OF SEA GRANT RESEARCH. 20-25.  
Aquaculture Data Base No.: 3075

2569 1976  
Aquaculture: toward an ecological approach [Fish ponds on farms].  
McLarney, W O.  
*In Radical Agriculture; R. Merrill, ed..* p. 328-339.  
Ref. 1976. )  
NAL Call No.: S441.R26

2570 1976  
Aquarium fish culture. Akvarisztika : gyakorlati diszhaltenyesztes. HUNGARIAN.  
Horn, Peter.; Zsilinszky, Sandor.  
Budapest: Natura; 1976. 323 p.: ill.  
NAL Call No.: SF458.2.H6 1976

2571 1976  
AN ASSESSMENT OF THE FISHPOND TECHNOLOGY AND MANAGEMENT IN THE PRODUCTION OF MILKFISH (BANGOS) IN THE PHILIPPINES.  
LIBRERO, A.R.; NICOLAS, E.S.; VASQUEZ, E.O.; NAZARENO, A.M.  
SEAFDEC-PCARR RESEARCH PROGRAM.  
RESEARCH PAPER SERIES NO. 4. 35-103.  
Aquaculture Data Base No.: 3582

2572 1976  
AN ASSESSMENT OF THE FISHPOND TECHNOLOGY AND MANAGEMENT IN THE PRODUCTION OF MILKFISH (BANGOS) IN THE PHILIPPINES.  
LIBRERO, A.R.; NICOLAS, E.S.; VASQUEZ, E.O.; NAZARENO, A.M.  
SOCIO-ECONOMIC SURVEY OF THE AQUACULTURE INDUSTRY IN THE PHILIPPINES. RESEARCH PAPER SERIES NO. 4. 48P.  
Aquaculture Data Base No.: 3444

2573 1976

AN ASSESSMENT OF THE FISHPOND TECHNOLOGY AND MANAGEMENT IN THE PRODUCTION OF MILKFISH (BANGOS) IN THE PHILIPPINES. SUMMARY AND CONCLUSIONS.  
LIBRERO, A.R.; NICOLAS, E.S.; VASQUEZ, E.O.; NAZARENO, A.M.  
SEAFDEC-PCARR RESEARCH PROGRAM.  
RESEARCH PAPER SERIES NO. 4. 133-143.  
Aquaculture Data Base No.: 3602

2574 1976  
AN ASSESSMENT OF THE FISHPOND TECHNOLOGY AND MANAGEMENT IN THE PRODUCTION OF MILKFISH (BANGOS) IN THE PHILIPPINES: A SOCIO-ECONOMIC STUDY. PRODUCTIVITY COMPARISON.  
LIBRERO, A.R.; NICOLAS, E.S.; VASQUEZ, E.O.; NAZARENO, A.M.  
SEAFDEC-PCARR RESEARCH PROGRAM.  
RESEARCH PAPER SERIES NO. 4. 109-132.  
Aquaculture Data Base No.: 3561

2575 1976  
AN ASSESSMENT OF THE POND TECHNOLOGY AND MANAGEMENT IN THE PRODUCTION OF MILKFISH (BANGOS) IN THE PHILIPPINES. TRENDS IN OPERATION.  
LIBRERO, A.R.; NICOLAS, E.S.; VASQUEZ, E.O.; NAZARENO, A.M.  
SEAFDEC-PCARR RESEARCH PROGRAM.  
RESEARCH PAPER SERIES NO. 4. 14-21.  
Aquaculture Data Base No.: 3584

2576 1976  
AN ASSESSMENT OF THE POND TECHNOLOGY AND MANAGEMENT IN THE PRODUCTION OF MILKFISH (BANGOS) IN THE PHILIPPINES. TYPES OF PONDS.  
LIBRERO, A.R.; NICOLAS, E.S.; VASQUEZ, E.O.; NAZARENO, A.M.  
SEAFDEC-PCARR RESEARCH PROGRAM.  
RESEARCH PAPER SERIES NO. 4. 26-34.  
Aquaculture Data Base No.: 3583

2577 1976  
AUFWUCHS AND SEDIMENT FOULING RATES IN FLOW-THROUGH AQUARIA RECEIVING A HEATED EFFLUENT FROM UPPER GALVESTON BAY, TEXAS.  
PARKER, N.C.; STRAWN, K.  
PROCEEDINGS OF THE SEVENTH ANNUAL WORKSHOP WORLD MARICULTURE SOCIETY. SAN DIEGO, CALIFORNIA. 11P.  
Aquaculture Data Base No.: 2285

2578 1976  
THE BIOLOGY, FISHERY AND POTENTIAL FOR AQUACULTURE OF TILAPIA MELANOTHERON IN A SMALL WEST AFRICAN LAGOON.  
PAULY, D.  
AQUACULTURE 7 (1), 33-49.  
Aquaculture Data Base No.: 2641

2579 1976  
BIOMASS PRODUCTION IN MASS CULTURES OF MARINE PHYTOPLANKTON AT VARYING TEMPERATURES.  
GOLDMAN, J.C.

WOODS HOLE OCEANOGRAPHIC INSTITUTION,  
CONTRIBUTION, 70-89. SEA GRANT NO.  
04-6-158-44016. NTIS PB-261 939.  
Aquaculture Data Base No.: 4870

2580 1976  
Building fisheries. Tsunkuru gyogyo.  
Tokyo: Norin Tokei Kyokai; 1976. iii, (7), 528 p.: ill.  
NAL Call No.: SH109.T78 1976  
(Includes bibliographies.)

2581 1976  
Commercial anadromous fishery : Waccamaw and Pee  
Dee Rivers : job completion report for period October 1,  
1973-September 1, 1976.  
Crochet, Dan W.; Allen, David Edward.; Hornberger,  
Marlin L.  
(Columbia): South Carolina Wildlife & Marine Resources  
Dept., Division of Game and Freshwater Fisheries;  
(1976?). vi, 114 leaves, (5) leaves of plates: ill.; 29 cm.  
NAL Call No.: SH351.S5S66  
Cover title "AFC-5".  
(Bibliography: leaves 112-113.)

2582 1976  
COOLING WATER FARM SET TO GO  
COMMERCIAL.  
JONES, C.  
FISH FARMING INTERNATIONAL 3 (4), 14-15.  
Aquaculture Data Base No.: 3474

2583 1976  
Crabs of Japan and the adjacent seas.  
Sakai, Tsune  
Tokyo: Kodansha; c1976. 3 v.: ill. (chiefly col., plates);  
27 cm.  
NAL Call No.: QL444.M33S23  
Vol. 2, plates; v. 3, text in Japanese, with title:  
Nihon-san kanirui Includes index.  
(Bibliography: v. 1, p. 709-724.)

2584 1976  
CRAWFISH FARMING.  
LACAZE, C.  
LOUISIANA WILD LIFE AND FISHERIES  
COMMISSION, FISHERIES BULLETIN NUMBER 7,  
27P.  
Aquaculture Data Base No.: 4042

2585 1976  
CULTIVATION OF PLANTS. UNICELLULAR  
PLANTS.  
UKELES, R.  
MARINE ECOLOGY. PAGES 367-466. JOHN WILEY  
AND SONS, LONDON.  
Aquaculture Data Base No.: 2950

2586 1976  
THE CULTURE OF COMMON CARP IN JAPAN.  
SUZUKI, R.  
FAO TECHNICAL CONFERENCE ON  
AQUACULTURE. FIR/AQ/CONF/76/E.51. 9P.  
Aquaculture Data Base No.: 2845

2587 1976  
CULTURE OF FRESHWATER SHRIMPS IN  
FERTILIZED PONDS.  
GUERRERO, L.A.; GUERRERO, R.D. III

FAO TECHNICAL CONFERENCE ON  
AQUACULTURE. FIR/AQ/CONF/76/E.16. 3P.  
Aquaculture Data Base No.: 2684

2588 1976  
CULTURE OF MILKFISH (CHANOS CHANOS) AS  
A MEANS OF INCREASING ANIMAL PROTEIN  
SUPPLY.  
CHEN, T.P.  
JOURNAL OF THE FISHERIES RESEARCH  
BOARD OF CANADA 33 (4), 917-919.  
Aquaculture Data Base No.: 2696

2589 1976  
CULTURE OF PINK SHRIMP, PENAEUS  
DUORARUM AT THE TURKEY POINT  
EXPERIMENTAL MARICULTURE LABORATORY.  
KRANTZ, G.E.; NORRIS, J.P.  
UNIVERSITY OF MIAMI. SEA GRANT  
TECHNICAL BULLETIN NO. 36. 34P.  
Aquaculture Data Base No.: 4208

2590 1976  
DESIGN OF AN AQUACULTURE POND WITH A  
TIDAL INLET.  
NAKAMURA, M.  
FAO TECHNICAL CONFERENCE ON  
AQUACULTURE. FIR/AQ/CONF/76/E.81. 5P.  
Aquaculture Data Base No.: 2819

2591 1976  
DEVELOPMENT OF CRUSTACEAN  
AQUACULTURE.  
SHLESER, R.A.  
PROCEEDINGS OF THE TENTH EUROPEAN  
SYMPOSIUM ON MARINE BIOLOGY. OSTEND,  
BELGIUM, SEPT. 17-23, 1975. 1, 455-471. UNIVERSA  
PRESS, BELGIUM.  
Aquaculture Data Base No.: 3861

2592 1976  
Development of scientific foundations and production  
technology in fish pond management [on collective and  
state farms]. RUS.  
Martyshchev, F G; Privezentsev, IU A; Lavrovskii, V V;  
Anisimova, I M; Kudriashova, IU V; Gerasimova, T D;  
Vlasov, V A; Maslova, N I.  
*Izv Timiriazevsk S-kh Akad.* 1: 138-144. Eng. sum.  
Jan/feb 1976. .)  
NAL Call No.: 106 P44

2593 1976  
Economic comparisons of single cropped and multiple  
cropped catfish production systems.  
Crawford, K W.  
*Highlights Agric Res.* 23(3): 6. - Fall 1976. .)  
NAL Call No.: 100 AL1H  
AGE.

2594 1976  
ECONOMICAL WAYS OF ASSESSING  
HYDROGRAPHY FOR FISH FARMS.  
LANDLESS, P.J.; EDWARDS, A.  
AQUACULTURE 8 (1), 29-43.  
Aquaculture Data Base No.: 2923

2595 1976  
EFFECTS OF CULTURE DENSITY AND  
TEMPERATURE ON THE GROWTH RATE AND  
YIELD OF NEOAGARDHIELLA BAILEYI.



DEBOER, J.A.; LAPOINTE, B.E.  
WOODS HOLE OCEANOGRAPHIC INSTITUTION.  
CONTRIBUTION, 193-207. SEA GRANT NO.  
04-6-158-44016. NTIS PB-261 939.  
Aquaculture Data Base No.: 4863

2596 1976  
EFFECTS OF HIGH DENSITY CULTURE ON  
REPRODUCTION AND YIELD OF TILAPIA  
AUREA.

ALLISON, R.; SMITHERMAN, R.O.; CABRERO, J.  
FAO TECHNICAL CONFERENCE ON  
AQUACULTURE. FIR/AQ/CONF/76/E.47. 3P.  
Aquaculture Data Base No.: 2857

2597 1976  
ENERGY EFFICIENCY OF PACIFIC SALMON  
AQUACULTURE.

MATHEWS, S.B.; MOCK, J.B.; WILLSON, K.; SENN,  
H.  
THE PROGRESSIVE FISH CULTURIST 38 (2),  
102-106.  
Aquaculture Data Base No.: 3234

2598 1976  
Engineering analysis of prawn larvae culture [Fish  
farming].

Wang, J K; Kuwabara, J S.  
*Trans ASAE (Am Soc Agric Eng)*. 19 (6): 1197-1200.  
Nov/Dec 1976. .)  
NAL Call No.: 290.9 AM32T

2599 1976  
ENGINEERING AND THE ECONOMICS OF  
AQUACULTURE.

MILNE, P.H.  
JOURNAL OF THE FISHERIES RESEARCH  
BOARD OF CANADA PT.2, 33 (4), 888-889.  
Aquaculture Data Base No.: 2774

2600 1976  
ENGINEERING ASPECTS OF A CLOSED SYSTEM  
FOR AQUACULTURE.

MOCK, C.R.; NEAL, R.A.  
PROCEEDINGS OF THE TENTH EUROPEAN  
SYMPOSIUM ON MARINE BIOLOGY. OSTEND,  
BELGIUM, SEPT 17-23,1975. 1, 271.  
Aquaculture Data Base No.: 3758

2601 1976  
EXPERIMENTAL AQUACULTURE OF THE  
MALAYSIAN PRAWN, MACROBRACHIUM  
ROSENBERGII (DE MAN), IN SOUTH CAROLINA,  
U.S.A.

SANDIFER, P.I.; SMITH, T.I.  
FAO TECHNICAL CONFERENCE ON  
AQUACULTURE. FIR/AQ/CONF/76/E.3. 7P.  
Aquaculture Data Base No.: 2846

2602 1976  
FARM POND MANAGEMENT.

GRAY, D.L.  
UNIVERSITY OF ARKANSAS. COOPERATIVE  
EXTENSION SERVICE. LEAFLET NO. 248, 4P.  
Aquaculture Data Base No.: 4783

2603 1976  
Farming marine fishes and shrimps ;; A multidisciplinary  
treatise.

Korringa, Pieter.

Amsterdam ; New York : Elsevier,. 1976. 208 p. : ill.,  
maps. -.

NAL Call No.: SH1.D43 v.4

(Developments in aquaculture and fisheries science ;  
v. 4)

(Includes bibliographies and index.)

2604 1976

THE FEASIBILITY OF COMBINING ANIMAL  
HUSBANDRY WITH FISH FARMING, WITH  
SPECIAL REFERENCE TO DUCK AND PIG  
PRODUCTION.

WOYNAROVICH, E.  
FAO TECHNICAL CONFERENCE ON  
AQUACULTURE. FIR/AQ/CONF/76/R.6. 11P.  
Aquaculture Data Base No.: 2680

2605 1976

Fish culture, an interesting and practical activity [Brazil].  
Piscicultura: atividade interessante e rendosa. GER.

Teixeira Filho, A R.  
*Atual Vet*. 5 (31): 30-33. May 1976. .)  
NAL Call No.: SF604.A52

2606 1976

Fish ponds: construction and management in  
Pennsylvania.

Rader, T D; Wingard, R G; Heiney, C L.  
*Spec Circ Pa State Univ Ext Serv*. 216, 20 p. Ref. Aug  
1976. .)

NAL Call No.: 275.29 P382SP

2607 1976

A FISH REARING SYSTEM INCORPORATING  
CAGES, WATER CIRCULATION, AND SEWAGE  
REMOVAL.

LEWIS, W.M.; WEHR, L.W.  
THE PROGRESSIVE FISH CULTURIST 38 (2), 78-81.  
Aquaculture Data Base No.: 3235

2608 1976

FISH, RICE NOT JUST TO EAT.  
GREELAND, A.

THE RICE JOURNAL 79 (9), 8-9.  
Aquaculture Data Base No.: 6429

2609 1976

FISHERIES AND FISH CULTURE IN ISRAEL IN  
1975.

SARIG, S.  
BAMIDGEH 28 (4), 67-79.  
Aquaculture Data Base No.: 7449

2610 1976

The food production efficiency of undomesticated species  
of animals [from fish, aquaculture].

Large, R V.  
*In Food Production and Consumption. A N.*  
*Duckham, J. G. W. Jones & E. H. Roberts, eds..* p.  
199-214. Ref. 1976. .)  
NAL Call No.: QH705.F64

2611 1976

Freshwater fish pond culture and management.

Chakroff, Marilyn; Druben, Laurel.

[Mt. Rainier, Md.] : Volunteers in Technical Assistance, 1976. ix, 191 p. : ill. -.

NAL Call No.: SH159.C43

(Volunteers in Technical Assistance. \$VITA publications manual series ; no. 36E)

(Also issued as part of the ACTION/Peace Corps Program & training journal manual series.

Bibliographical references included in "Resources" (p. 185-190))

2612 1976  
A GENERAL REVIEW OF CAGE CULTURE AND ITS APPLICATION IN AFRICA.  
COCHE, G.  
FAO TECHNICAL CONFERENCE ON AQUACULTURE. FIR/AQ/CONF/76/E.72. 33P.  
Aquaculture Data Base No.: 2803

2613 1976  
THE GROWTH OF FISH FARMING IN SCOTLAND.  
MILNE, P.H.  
FISH FARMING INTERNATIONAL 3 (4), 34-36.  
Aquaculture Data Base No.: 3478

2614 1976  
GUIDELINES FOR STRIPED BASS CULTURE.  
BONN, E.W., ET ALS  
AMERICAN FISHERIES SOCIETY, STRIPED BASS COMMITTEE OF THE SOUTHERN DIVISION, 125 PP.  
Aquaculture Data Base No.: 8649

2615 1976  
Handbook of tropical fish culture.  
Bard, J.  
Nogent-sur-Marne : Centre technique forestier tropical, 1976. 165 p. : ill. ; 30 cm.  
NAL Call No.: SH151.C4

2616 1976  
A high capacity ozone generator for use in aquaculture and water processing.  
Honn, K V; Glezman, G M; Chavin, W.  
*Mar Biol.* 34 (3): 211-216. 1976. )  
NAL Call No.: QH91.A1M35

2617 1976  
HOME AREAS AND SWIMWAYS IN CHANNEL CATFISH CULTURE PONDS.  
RANDOLPH, K.N.; CLEMENS, H.P.  
TRANSACTIONS OF THE AMERICAN FISHERIES SOCIETY 105 (6), 725-730.  
Aquaculture Data Base No.: 4277

2618 1976  
IMPROVED METHODS OF MILKFISH CULTURE II. INCREASING PRODUCTION IN SHALLOW UNDRAINABLE BRACKISH WATER PONDS.  
RANOEMIHARDJO, B.S.; HAMAMI, E.  
BULLETIN OF THE SHRIMP CULTURE RESEARCH CENTER 2 (1,2), 107-113.  
Aquaculture Data Base No.: 6744

2619 1976  
The improvement of returns of one-years [salmon] smolts at the Kollafjordur Fish Farm 1971-73.  
Isaksson, A.

*Isl Landbunadar Rannsok.* 8 (1/2): 19-26. 1976. )

NAL Call No.: S11.I8

2620 1976  
Industrial biologic techniques in fish farming [Problems of artificial environment]. RUS.  
Kanaev, A I.  
*Vestn S-kh Nauki (Mosc).* 2: 119-124. Feb 1976. )  
NAL Call No.: 20 V633

2621 1976  
INTENSIVE CULTURE OF INDIAN MAJOR CARPS.  
CHAKRABARTY, R.D.; SEN, P.R.  
FAO TECHNICAL CONFERENCE ON AQUACULTURE. FIR/AQ/CONF/76/E.64. 9P.  
Aquaculture Data Base No.: 2826

2622 1976  
Intensive fish culture and its possibilities for improving human nutrition in the [Latin] American countries. *Cria intensiva de peces y sus posibilidades para mejorar la alimentacion humana en los paises americanos.* SPA.  
Castro Butter, E.  
*Agric El Salv.* 15 (2): 26-31. Ref. Apr/June 1976. )  
NAL Call No.: 8 AG8292

2623 1976  
INTENSIVE FISH CULTURE ON AN ISRAELI KIBBUTZ.  
COLEMAN, R.  
FISH FARMING INTERNATIONAL 3 (4), 6-8.  
Aquaculture Data Base No.: 3310

2624 1976  
LAGUNA DE BAY FISH PEN AQUACULTURE DEVELOPMENT- PHILIPPINES.  
DELMENDO, M.N.; GEDNEY, R.H.  
PROCEEDINGS OF THE SEVENTH ANNUAL WORKSHOP WORLD MARICULTURE SOCIETY, SAN DIEGO, CALIFORNIA. 8P.  
Aquaculture Data Base No.: 3641

2625 1976  
MANAGEMENT IMPLICATIONS FOR TIME OF FALL POND FLOODING IN LOUISIANA CRAWFISH FARMING WITH EMPHASIS ON PRODUCTION OF BAIT CRAWFISH.  
HUNER, J.V.; AVAULT, J.W., JR.;  
NATIONAL FISH CULTURE WORKSHOP. SPRINGFIELD, MISSOURI. 11P.  
Aquaculture Data Base No.: 2470

2626 1976  
MANAGING LOUISIANA FISH PONDS.  
SUMMERS, M.W.  
LOUISIANA WILD LIFE AND FISHERIES COMMISSION, 6-51.  
Aquaculture Data Base No.: 4860

2627 1976  
MANUAL OF OPERATIONS: SUGPO POND CULTURE.  
PRIMAVERA, J. H.; APUD, F. P.



THE PHILIPPINE JOURNAL OF FISHERIES 14 (2),  
160-182. SEAFDEC AQUACULTURE  
DEPARTMENT. EXTENTION MANUAL NO. 2,  
1-18.  
Aquaculture Data Base No.: 4322

2628 1976  
MARINE AQUACULTURE DATA BOOK. I.  
ABALONE SECTION.  
INOUE, M.  
INSHORE FISHING GROUNDS DEVELOPMENT  
AND PLANNING OFFICE, NATIONAL  
FEDERATION OF FISHERIES COOPERATIVES.  
SUISAN SHUPPAN (LTD.). (ENGLISH  
TRANSLATION FROM JAPANESE BY  
LANGUAGE SERVICES BRANCH, NMFS, NOAA,  
96P.).  
Aquaculture Data Base No.: 6926

2629 1976  
MASS CULTURE OF ALGAE ON ANIMAL WASTE.  
WAYGOOD, E.R.  
CANADIAN RESEARCH 1976 (MAY-JUNE), 2P.  
Aquaculture Data Base No.: 3395

2630 1976  
MASS CULTURE OF EUGLENA GRACILIS ON  
ANIMAL WASTE.  
WAYGOOD, E.R.  
WHAT'S NEW IN PLANT PHYSIOLOGY 8 (2), 5P.  
Aquaculture Data Base No.: 3473

2631 1976  
THE MASS OUTDOOR CULTURE OF  
MACROSCOPIC MARINE ALGAE.  
LAPOINTE, B.E.; WILLIAMS, L.D.; GOLDMAN,  
J.C.; RYTHER, J.H.  
AQUACULTURE 8(1), 9-21.  
Aquaculture Data Base No.: 2869

2632 1976  
A MODEL CLOSED SYSTEM FOR  
AQUACULTURE INCORPORATING THE  
RECYCLING OF WASTES.  
NEAL, R.A.; MOCK, C.R.  
FAO TECHNICAL CONFERENCE ON  
AQUACULTURE. FIR/AQ/CONF/76/E.22. 4P.  
Aquaculture Data Base No.: 2655

2633 1976  
New technology for the wintering of fish. Novaia  
tekhnologiya zimovki ryb. RUSSIAN.  
Kanaev, A. I.  
Moskva (103716, GSP, Moskva, K-31, ul.  
Dzerzhinskogo, d. 1/19): Kolos; 1976. 126 p.: ill.; 20 cm.  
NAL Call No.: SH151.K32  
(Novoe v sel'skom khoziaistve)

2634 1976  
NEW TRENDS IN FISH FARM MANAGEMENT.  
SINHA, V.R.P.  
FAO TECHNICAL CONFERENCE ON  
AQUACULTURE. FIR/AQ/CONF/76/R.10. 7P.  
Aquaculture Data Base No.: 2675

2635 1976  
NITRATE REMOVAL IN CLOSED-SYSTEM  
AQUACULTURE BY COLUMNAR  
DENITRIFICATION.  
BALDERSTON, W.L.; SIEBURTH, J.M.

APPLIED AND ENVIRONMENTAL  
MICROBIOLOGY 32 (6), 808-818.  
Aquaculture Data Base No.: 4102

2636 1976  
PEARL FARMING - A REVIEW.  
MIZUMOTO, S.  
FAO TECHNICAL CONFERENCE ON  
AQUACULTURE KYOTO, JAPAN. 7P.  
Aquaculture Data Base No.: 2740

2637 1976  
PHILIPPINES SPAWNING SUCCESS WITH  
FARMED PAENAEID PRAWNS.  
WEAR, R.G.  
FISH FARMING INTERNATIONAL 3 (3), 4-6.  
Aquaculture Data Base No.: 3391

2638 1976  
PHYSICAL PROBLEMS IN FISH FARM  
CONSTRUCTION.  
TANG, Y.A.  
FAO TECHNICAL CONFERENCE ON  
AQUACULTURE. FIR/AQ/CONF/76/R.15. 10P.  
Aquaculture Data Base No.: 2866

2639 1976  
PLANNING, DESIGN AND CONSTRUCTION OF A  
COASTAL FISH FARM.  
TANG, Y.A.  
FAO TECHNICAL CONFERENCE ON  
AQUACULTURE. FIR/AQ/CONF/76/E.68. 27P.  
Aquaculture Data Base No.: 3563

2640 1976  
POLYCULTURE OF CHANNEL CATFISH AND  
HYBRID GRASS CARP.  
MERKOWSKY, A.; AVAULT, J.W., JR.  
THE PROGRESSIVE FISH CULTURIST 38 (2), 76-77.  
Aquaculture Data Base No.: 3293

2641 1976  
POND CULTURE OF THE MALAYSIAN PRAWN,  
MACROBRACHIUM ROSENBERGII (DE MAN), IN  
SOUTH CAROLINA 1974-1975.  
SMITH, T.I.J.; SANDIFER, P.A.; TRIMBLE, W.C.  
PROCEEDINGS OF THE SEVENTH ANNUAL  
WORKSHOP WORLD MARICULTURE SOCIETY.  
SAN DIEGO, CALIFORNIA. 625-644.  
Aquaculture Data Base No.: 4207

2642 1976  
PRAWN BIOLOGY AND CULTURE.  
WICKINS, J.F.  
OCEANOGRAPHY AND MARINE BIOLOGY: AN  
ANNUAL REVIEW, 14, 435-507.  
Aquaculture Data Base No.: 6372

2643 1976  
Proceedings of the All-Russian Meeting on the Problem  
"Development of Intensive Lake Industries on the Basis  
of Salmon Breeding. Materialy Vserossiiskogo  
soveshchaniia po probleme "Razvitie intensivnykh  
ozernykh khoziaistv na baze vyrashchivaniia sigovykh  
ryb", 1974g. RUS.  
Golovkov, G A; Kuz'min, Aleksandr Iakovlevich.

Leningrad : GosNIORKh., 1976. 120 p.

NAL Call No.: SH349.V8

(At head of title: Ministerstvo rybnogo khoziaistva RSFSR. Gosudarstvennyi nauchno-issledovatel'skii institut ozernogo i rechnogo rybnogo khoziaistva, GosNIORKh. Includes bibliographies.)

2644 1976

Proceedings of the Seminar-Workshop on Artisan Fisheries Development and Aquaculture in Central America and Panama, January 13-17, 1975, San Jose, Costa Rica.

Estes, Thomas S.

Kingston : University of Rhode Island., 1976. ii, 182 p. : ill. ; 24 cm.

NAL Call No.: SH232.A1S45 1975

(Includes bibliographical references.)

2645 1976

PROGRESS IN SHRIMP CULTURE TECHNIQUES AND THE PRODUCTION OF JUVENILES.

PERROT, J.

FAO TECHNICAL CONFERENCE ON AQUACULTURE, FIR:AQ/CONF/76/R.12. 20P.

(FRENCH WITH ENGLISH ABSTRACT).

Aquaculture Data Base No.: 3425

2646 1976

PROGRESS OF LAMINARIA CULTIVATION IN JAPAN.

HASEGAWA, Y.

JOURNAL OF THE FISHERIES RESEARCH BOARD CANADA 33 (4), 1002-1006.

Aquaculture Data Base No.: 3018

2647 1976

QUALITY OR QUANTITY? THE CHOICE FOR BRITAIN'S TROUT FARMERS.

JONES, C.

FISH FARMING INTERNATIONAL 3 (2), 18-20.

Aquaculture Data Base No.: 3633

2648 1976

RAISING COHO SALMON FROM FRY TO SMOLTS IN ESTUARINE PENS, AND RETURNS OF ADULTS FROM TWO SMOLT RELEASES.

HEARD, W.R.

THE PROGRESSIVE FISH CULTURIST 38 (4), 171-174.

Aquaculture Data Base No.: 3210

2649 1976

RAISING CRAWFISH FOR FOOD AND FISH BAIT, A NEW POLY CULTURE CROP WITH FISH.

HUNER, J.V.

FISHERIES 1 (2), 7-9.

Aquaculture Data Base No.: 3663

2650 1976

RAISING CRAWFISH FOR FOOD AND FISH BAIT: A NEW POLY CULTURE CROP WITH FISH.

HUNER, J.V.

FISHERIES. BULLETIN OF THE AMERICAN FISHERIES SOCIETY. 1 (2), 7-9.

Aquaculture Data Base No.: 4037

2651 1976

RAISING YELLOW PERCH, PERCA FLAVESCENS, UNDER CONTROLLED ENVIRONMENTAL CONDITIONS FOR THE UPPER MIDWEST MARKET.

CALBERT, H.E.; HUH, H.T.

PROCEEDINGS OF THE SEVENTH ANNUAL WORKSHOP WORLD MARICULTURE SOCIETY. SAN DIEGO, CALIFORNIA. 10P.

Aquaculture Data Base No.: 2317

2652 1976

REARING OF DIFFERENT SPECIES OF MARINE FISH FRY IN A CONSTRUCTED BASIN.

OIESTAD, V.; ELLERTSEN, B.; SOLEMDAL, P.;

TILSETH, S.

PROCEEDINGS OF THE TENTH EUROPEAN SYMPOSIUM ON MARINE BIOLOGY. OSTEND, BELGIUM, SEPT. 17-23, 1975. 1, 303-329.

Aquaculture Data Base No.: 3761

2653 1976

REARING PACIFIC SALMON IN SALTWATER PONDS FERTILIZED WITH DOMESTIC WASTEWATER, OCTOBER 1975 - AUGUST 1976, DATA REPORT.

ALLEN, G.H.

HUMBOLT STATE UNIVERSITY, HSU-SG-11,

HUMSC-T-76-003, 1-99.

Aquaculture Data Base No.: 9161

2654 1976

RECENT DEVELOPMENT IN CAGE AND ENCLOSURE AQUACULTURE IN NORWAY.

MOLLER, D.

FAO TECHNICAL CONFERENCE ON

AQUACULTURE. FIR/AQ/CONF/76/R.20. 12P.

Aquaculture Data Base No.: 2649

2655 1976

RECENT ENGINEERING DEVELOPMENTS IN PLANNING AND DESIGN OF FISH FARMS.

MILNE, P.H.

PROCEEDINGS OF THE SECOND EUROPEAN FISH FARMING CONGRESS, NOV.30-DEC.1, 1976, 15-19.

Aquaculture Data Base No.: 7365

2656 1976

RECENT PROGRESS IN THE FARMING OF PENAEID SHRIMP.

KURATA, H.; SHIGUENO

FAO TECHNICAL CONFERENCE ON

AQUACULTURE. FIR/AQ/CONF/76/R.17. 24P.

Aquaculture Data Base No.: 2850

2657 1976

Reducing uses of energy in aquaculture.

McCoy, E W; Boutwell, J L; Jolly, C M.

Highlights Agric Res. 23(3): 10. - Fall 1976. .)

NAL Call No.: 100 AL1H

AGE.

2658 1976

RESEARCH DIRECTION AND ECONOMIC FEASIBILITY: AN EXAMPLE OF SYSTEMS ANALYSIS FOR LOBSTER AQUACULTURE.

ALLEN, P. G.; JOHNSTON, W. F.

AQUACULTURE 9, 155-180.

Aquaculture Data Base No.: 4301

2659 1976

RESEARCH ON THE CULTURING OF THE BRINE SHRIMP ARTEMIA SALINA L. AT THE STATE UNIVERSITY OF GHENT (BELGIUM).



SORGELOOS, P.; BAEZA-MESA, M.; BENIJTS, F.;  
 PERSOONE, G.  
 PROCEEDINGS OF THE TENTH EUROPEAN  
 SYMPOSIUM ON MARINE BIOLOGY. OSTEND,  
 BELGIUM, SEPT. 17-23, 1975. 1, 473-495. UNIVERSA  
 PRESS, BELGIUM.  
 Aquaculture Data Base No.: 3877

2660 1976  
 REVIEW OF CULTURE OF FRESHWATER  
 PRAWNS.  
 LING, S.W.  
 FAO TECHNICAL CONFERENCE ON  
 AQUACULTURE. FAO/AQ/CONF/76/R.29. 12P.  
 Aquaculture Data Base No.: 2671

2661 1976  
 THE ROLE OF THE ELECTRIC UTILITIES  
 INDUSTRY IN DEVELOPING THE USE OF  
 THERMAL EFFLUENT IN AQUACULTURE.  
 MUENCH, K.A.  
 PROCEEDINGS OF THE SEVENTH ANNUAL  
 WORKSHOP WORLD MARICULTURE SOCIETY.  
 SAN DIEGO, CALIFORNIA. 9P.  
 Aquaculture Data Base No.: 2466

2662 1976  
 SALMON AQUACULTURE IN JAPAN, THE  
 KOREAS AND THE USSR.  
 ATKINSON, C.E.  
 ALASKA SEA GRANT PROGRAM. CONFERENCE  
 ON SALMON AQUACULTURE AND THE  
 ALASKAN FISHING COMMUNITY, CORDOVA,  
 ALASKA. 79-154.  
 Aquaculture Data Base No.: 2975

2663 1976  
 SALMON AQUACULTURE IN OREGON.  
 DONALDSON, J.R.  
 ALASKA SEA GRANT PROGRAM. CONFERENCE  
 ON SALMON AQUACULTURE AND THE  
 ALASKAN FISHING COMMUNITY. CORDOVA,  
 ALASKA. 281-288.  
 Aquaculture Data Base No.: 2778

2664 1976  
 SEAWEED AQUACULTURE IN THE NORTHWEST  
 PACIFIC.  
 SAITO, Y.  
 FAO TECHNICAL CONFERENCE ON  
 AQUACULTURE. FIR:AQ/CONF/76/R.14. 16P.  
 Aquaculture Data Base No.: 2677

2665 1976  
 SEAWEED, FISH AND OYSTER FARMING IN  
 EASTERN CANADA.  
 MCKAY, G.  
 FISH FARMING INTERNATIONAL 3 (1), 4-6.  
 Aquaculture Data Base No.: 2646

2666 1976  
 SELECTION OF SITES AND DESIGN OF CAGES,  
 FISHPENS AND NET ENCLOSURES FOR  
 AQUACULTURE.  
 MILNE, P.H.

FAO TECHNICAL CONFERENCE ON  
 AQUACULTURE. FAO/AQ/CONF/76/R.26. 15P.  
 Aquaculture Data Base No.: 2665

2667 1976  
 SEQUENTIAL POND FLOODING, A  
 PROSPECTIVE MANAGEMENT TECHNIQUE FOR  
 EXTENDED PRODUCTION OF BAIT-SIZE  
 CRAWFISH.  
 HUNER, J.V.; AVAULT, J.W., JR.  
 TRANSACTIONS OF THE AMERICAN FISHERIES  
 SOCIETY 105 (5), 637-642.  
 Aquaculture Data Base No.: 3916

2668 1976  
 SITUATION AS REGARDS RICE PADDY  
 AQUACULTURE AND ITS FUTURE ROLE.  
 VINCKE, M.M.J.  
 FAO TECHNICAL CONFERENCE ON  
 AQUACULTURE. FIR/AQ/CONF/76/R.35. 41P. (IN  
 FRENCH, ENGLISH ABSTRACT).  
 Aquaculture Data Base No.: 2813

2669 1976  
 A SOCIO-ECONOMIC STUDY OF FISH PEN  
 AQUACULTURE IN THE PHILIPPINES.  
 CULTURAL PRACTICES.  
 NICOLAS, E.S.; LIBRERO, A.R.; CALLO, R.A.;  
 PAMULAKLAKIN, E.R.  
 SEAFDEC-PCARR RESEARCH PROGRAM.  
 RESEARCH PAPER SERIES NO. 5. 33-58.  
 Aquaculture Data Base No.: 3574

2670 1976  
 A SOCIO-ECONOMIC STUDY OF FISH PEN  
 AQUACULTURE IN THE PHILIPPINES. FISH  
 CULTURE IN FISH PENS.  
 NICOLAS, E.S.; LIBRERO, A.R.; CALLO, R.A.;  
 PAMULAKLAKIN, E.R.  
 SEAFDEC-PCARR RESEARCH PROGRAM.  
 RESEARCH PAPER SERIES NO. 5. 16-24.  
 Aquaculture Data Base No.: 3579

2671 1976  
 A SOCIO-ECONOMIC STUDY OF FISH PEN  
 AQUACULTURE IN THE PHILIPPINES. THE  
 FISH PEN.  
 NICOLAS, E.S.; LIBRERO, A.R.; CALLO, R.A.;  
 PAMULAKLAKIN, E.R.  
 SEAFDEC-PCARR RESEARCH PROGRAM.  
 RESEARCH PAPER SERIES NO. 5. 25-33.  
 Aquaculture Data Base No.: 3575

2672 1976  
 A SOCIO-ECONOMIC STUDY OF MUSSEL  
 FARMS IN BACOR BAY - MUSSEL CULTURE.  
 ORDUNA, A.G.; LIBRERO, A.R.  
 SEAFDEC-PCARR RESEARCH PROGRAM.  
 RESEARCH PAPER SERIES NO. 2. 10-14.  
 Aquaculture Data Base No.: 3449

2673 1976  
 SOME EXPERIMENTS ON INTENSIVE FARMING  
 OF COMMON CARP IN POLAND.  
 SZUMIEC, J.

FAO TECHNICAL CONFERENCE ON  
AQUACULTURE. FIR/AQ/CONF/76/E.70. 5P.  
Aquaculture Data Base No.: 2804

2674 1976  
THE SOUTHERN OCEAN SALMON PROJECT,  
PHASES I - II.  
NASH, C.E.  
ICLARM, 141 PP.  
Aquaculture Data Base No.: 7689

2675 1976  
SYSTEMS OF POLYCULTURE OF FISHES IN THE  
INLAND WATERS OF INDIA.  
JHINGRAN, V.G.  
JOURNAL OF THE FISHERIES RESEARCH  
BOARD OF CANADA 33 (4), 905-910.  
Aquaculture Data Base No.: 2698

2676 1976  
Technical and economic estimate of different types of  
aquaculture in fish ponds [Farm management]. Tehnicka i  
ekonomska procena razlicitih nacina uzgoja riba u  
ribnjacima. 2. SCR.  
Apostolski, K M; Arsovski, B S.  
Ekonom Poljopr. 23 (5): 37-50. Eng. sum. May 1976. )  
NAL Call No.: 281.8 EK72

2677 1976  
A TECHNICAL AND ECONOMIC REVIEW OF  
THE USE OF RECONDITIONED WATER IN  
AQUACULTURE.  
MAYO, R.D.  
FAO TECHNICAL CONFERENCE ON  
AQUACULTURE. FIR/AQ/CONF/76/R.30. 22P.  
Aquaculture Data Base No.: 2676

2678 1976  
Technology assessment on marine ranch ;; Summary. -.  
Kanagawa Prefecture : Japan Marine Science &  
Technology Center,. 1976. 60 p. (on double leaves) : ill.  
NAL Call No.: SH109.T4  
(Project commissioned by: Planning Bureau, Science  
and Technology Agency.)

2679 1976  
Trout and salmon culture ;; Hatchery methods.  
Leitritz, Earl.  
[Long Beach] : State of California, Dept. of Fish and  
Game,. 1976. 197 p. : ill.; 23 cm. -.  
NAL Call No.: 414.9 C12F No.164  
(California. Dept. of Fish and Game. Fish bulletin ;  
164)  
(Bibliography : p. 174-177.)

2680 1976  
TWO YEARS OF BRACKISH WATER POND  
CULTURE OF STRIPED BASS (MORONE  
SAXATILIS) IN SOUTH ALABAMA.  
POWELL, M.R.  
PROCEEDINGS OF THE SEVENTH ANNUAL  
WORKSHOP WORLD MARICULTURE SOCIETY.  
SAN DIEGO, CALIFORNIA. 6P.  
Aquaculture Data Base No.: 2465

2681 1976  
The use of *Clarias batrachus* (Linn.) to increase fish  
production from ponds under composite carp culture.  
Varghese, T J; Satyanarayana Rao, G P; Shetty, H P C.

*Mysore J Agric Sci.* 10 (4): 681-686. 1976. )  
NAL Call No.: S19.M9

2682 1976  
WASTE HEAT EMPLOYMENT FOR  
ACCELERATED REARING OF COHO SALMON.  
BRANNON, E.L.; NAKATANI, R.E.; DONALDSON,  
L.R.  
PROCEEDINGS OF THE CONFERENCE ON  
WASTE HEAT MANAGEMENT AND  
UTILIZATION, MIAMI BEACH, FLORIDA. MAY  
9-11, 1976. 1-9.  
Aquaculture Data Base No.: 4204

2683 1976  
A waste recycling--marine aquaculture system  
[Wastewater for growing algae, animal waste for poultry,  
livestock feed].  
Ryther, J H; Goldman, J C.  
*In Food-Drugs from the Sea Conference;  
Proceedings.* 4th: 88-106. Map. 1974 (pub. 1976). )  
NAL Call No.: SH1.F64 1974

2684 1976  
4-H tropical fish.  
Hilgers, Richard.; Skinner, John L.  
1976: 19 p.  
NAL Call No.: S533.F66W6

Document available from: 4-H Youth Development,  
Lowell Hall, 610 Langdon Street, Madison, Wisconsin  
53706. Publication intended for Member, Elementary and  
Junior High Level. Learning Experience: Knowledge,  
skills, practices.

1975

2685 1975  
Acquisition and culture of research fish: rainbow trout,  
fathead minnows, channel catfish, and bluegills.  
Brauhn, James L.  
Corvallis, Or., National Environmental Research Center.  
1975. 45 p.  
NAL Call No.: TD1.E2 No.75-011  
(Ecological research series, EPA-660/3-75-011)  
(EPA-IAG-141(d); program element 1BA021,  
ROAP/Task no. 16AAK/017. Bibliography: p. 38-45.)

2686 1975  
Aquaculture as an integral part of the agricultural  
farming system ;; A case study in the north-east of  
Thailand.  
Kloke, Cort W.  
Bangkok : FAO Regional Office for Asia and the Far  
East,. 1975. 10 p. : ill., map ; 27 cm. -.  
NAL Call No.: SH1.I53 No.1975/4  
(Indo-Pacific Fisheries Council. Occasional paper ; no.  
1975/4)  
(Includes bibliographical references.)

2687 1975  
The aquaculture of fresh water prawns (*Macrobrachium*  
species).  
Goodwin, H. L.; Hanson, Joe L.  
Waimanalo, Hawaii: Oceanic Institute; (1975). 95 p.: ill.;  
28 cm.  
NAL Call No.: 157.8 R29 no.246657  
Grant 04-5-158-13 A summary of proceedings,  
augmented by material from other sources, of the  
Workshop on the Culture of Freshwater Prawns held  
November 25 and 26, 1974, at the Marine Research  
Laboratory of the Florida Dept. of Natural Resources,  
St. Petersburg, Fla.



(United States. National Technical Information Service. PB ; 246657)

2688 1975  
**AQUACULTURE. FACILITIES FOR THE RAISING OF YELLOW PERCH (PERCA FLAVESCENS) IN A CONTROLLED ENVIRONMENT SYSTEM.**  
 STUIBER, D.A.  
 AQUACULTURE. RAISING PERCH FOR THE MIDWEST MARKET. PAGES 13-28. UNIVERSITY OF WISCONSIN SEA GRANT COLLEGE PROGRAM ADVISORY REPORT 13.  
 Aquaculture Data Base No.: 2038

2689 1975  
**Aquarium fish culture. Akvarisztika. HUNGARIAN.**  
 Wiesinger, Marton.  
 Budapest: Gondolat; 1975. 326 p., (34) leaves of plates: ill. (some col.); 19 cm.  
 NAL Call No.: SF457.W53  
 (Bibliography: p. 323-(324))

2690 1975  
**ARTISAN FISHING IN HONDURAS.**  
 CABALLERO, H.  
 PROCEEDINGS OF THE SEMINAR-WORKSHOP ON ARTISAN FISHERIES DEVELOPMENT AND AQUACULTURE IN CENTRAL AMERICA AND PANAMA. SAN JUAN, COSTA RICA, JANUARY 13-17, 1975, 58-68.  
 Aquaculture Data Base No.: 7751

2691 1975  
**BIG RUSSIAN EXHIBITION SPOTLIGHTS FISH FARM POTENTIAL.**  
 HJUL, P.  
 FISH FARMING INTERNATIONAL 2 (4), 4,5,7.  
 Aquaculture Data Base No.: 2287

2692 1975  
**Black bass biology and management ; National Symposium on the Biology and Management of the Centrarchid Basses, Tulsa, Oklahoma, February 3-6, 1975 compiled under the direction of Richard H. Stroud, chairman ; Henry Clepper, editor. -**  
 Stroud, Richard H; Clepper, Henry Edward.  
 Washington : Sport Fishing Institute,. 1975. x, 534 p. : ill. ; 27 cm.  
 NAL Call No.: QL638.C3N37 1975  
 (Sponsored by the Sport Fishing Institute in cooperation with American Fishing Tackle Manufacturers Association and others. Includes bibliographies.)

2693 1975  
**CARP AND EEL CULTURE IN POWER STATION COOLING WATERS.**  
 ASTON, R.J.; BROWN, D.J.A.  
 BRITISH COARSE FISH CONFERENCE, PROC. 7, 8P.  
 Aquaculture Data Base No.: 2973

2694 1975  
**Catfish farming.**  
 Grizzell, R.A., Jr.; Dillon, O.W. Jr.; Sullivan, E.G.; Compton, L.V.

Farmers' bulletin. United States. Dept. of Agriculture; (2260), 21 p. ill. Nov 1975. (Washington, D.C.: The Department.)  
 NAL Call No.: 1 AG84F

2695 1975  
**Catfish farming.**  
 Grizzell, Roy A.  
 Washington : U.S. Dept. of Agriculture : for sale by the Supt. of Docs., U.S. Govt. Print. Off.,. 1975. 21 p. : ill. -.  
 NAL Call No.: 1 Ag84F No.2260  
 (U.S. Dept. of Agriculture. Farmers bulletin ; no. 2260)  
 (Supersedes FB-2244 (1 Ag84F). Issued Nov. 1975.)

2696 1975  
**Catfish farming in south central Kansas.**  
 Deutsch, Hank.  
 1975: 1 folded sheet.  
 NAL Call No.: Not available at NAL.  
 Document available from: Distribution Center, Umberger Hall, Kansas State University, Manhattan, KS 66506.

2697 1975  
**CRUSTACEAN AQUACULTURE IN MIDDLE AMERICA.**  
 WEBBER, H.H.  
 MARINE FISHERIES REVIEW 37 (1), 24-30.  
 Aquaculture Data Base No.: 1581

2698 1975  
**THE CULTURE OF STRIPED MULLET (MUGIL CEPHALUS LINNAEUS) IN PONDS RECEIVING HEATED EFFLUENT FROM A POWER PLANT.**  
 LINDER, D.R.; STRAWN, K.; LUEBKE, R.W.  
 AQUACULTURE 5 (2), 151-161.  
 Aquaculture Data Base No.: 2290

2699 1975  
**CULTURE OF THE BAY SCALLOP, ARGOPECTEN IRRADIANS, IN VIRGINIA.**  
 CASTAGNA, M.  
 MARINE FISHERIES REVIEW 37 (1), 19-24.  
 Aquaculture Data Base No.: 2172

2700 1975  
**THE CULTURE OF THE MUSSEL, PERNA PERNA, AND THE MANGROVE OYSTER, CRASSOSTREA RHIZOPHORAE, IN VENEZUELA.**  
 MANDELLI, E.F.; ACUNA C., A.  
 MARINE FISHERIES REVIEW 37 (1), 15-18.  
 Aquaculture Data Base No.: 1993

2701 1975  
**The determination, assessment, and design of "in-stream value" studies for the Northern Great Plains region.**  
 Bovee, Ken D; Silverman, Arnold.  
 Denver : Northern Great Plains Resources Program,. 1975. 205 p. : ill.  
 NAL Call No.: SH329.A17B6  
 (Bibliography: p. 191-204.)

2702 1975  
**DEVELOPMENT OF AQUACULTURE SYSTEMS.**  
 SHLESER, R.A.

UNIVERSITY OF CALIFORNIA SEA GRANT  
COLLEGE PROGRAM ANNUAL REPORT  
1974-1975.  
Aquaculture Data Base No.: 2758

2703 1975  
Experimental aquaculture of the mussel, (*Mytilus viridis* L.) as a protein source.  
Sivalingam, P M; Rajagopalan, K.  
*Malays Agric Res.* 4 (2): 137-139. Ref. Aug 1975. )  
NAL Call No.: S295.M3

2704 1975  
EXPERIMENTAL RAISING OF GOLDEN GREY MULLET (*LIZA AURATA* (RISSO)) IN SALTWATER PONDS.  
CHERVINSKI, J.  
AQUACULTURE 5, 91-98.  
Aquaculture Data Base No.: 2016

2705 1975  
EXPERIMENTAL RAISING OF GOLDEN GREY MULLET (*LIZA AURATA* (RISSO)) IN SALTWATER PONDS.  
CHERVINSKI, J.  
AQUACULTURE 5 (1), 91-98.  
Aquaculture Data Base No.: 2298

2706 1975  
A fish [farming] story pans out, and world is better fed.  
Shell, E W.  
*Yearb Agric (U S Dep Agric)*. p. 149-156. 1975. )  
NAL Call No.: 1 AG84Y

2707 1975  
Fish pond table duck. Halastavi pecsenyekacsá. HUN.  
Balogh, Laszlo; Kozma, Lajos; Mosonyi, Geza.  
Budapest : Mezogazdasagi Kiado,. 1975. 210 p. : ill.  
NAL Call No.: SF505.B3  
(Includes a chapter by Gooderham K. K.  
Bibliography: p. 205-206.)

2708 1975  
FISHERIES AND FISH CULTURE IN ISRAEL IN 1974.  
SARIG, S.  
BAMIDGEA 27 (2), 25-39.  
Aquaculture Data Base No.: 7440

2709 1975  
Flood plain of the lower Don River and its utilization in agricultural and fishery farms in the Rostov Region.  
RUS.  
Mzareulov, B M.  
*In Sel'skokhoziaistvennoe ispol'zovanie poim iuzhnykh rek evropeiskoi chasti SSSR*. p. 11-18. 1975. )  
NAL Call No.: S599.45.A1S4

2710 1975  
FRESH WATER CRAYFISH FARMING IN LOUISIANA PONDS.  
GARY, D.L.  
FISH FARMING INTERNATIONAL 2 (3), 4-7.  
Aquaculture Data Base No.: 8162

2711 1975  
THE FRESH WATER PRAWN, *MACROBRACHIUM ROSENBERGII*, IN MAURITIUS.

ARDILL, J.D.; THOMPSON, R.K.  
FAO/CIFA SYMPOSIUM ON AQUACULTURE IN AFRICA, ACCRA, GHANA, 30 SEPT.-6 OCT., 1975, CIFA/75/SE4, 1-4.  
Aquaculture Data Base No.: 8606

2712 1975  
The future of freshwater fish farming in the Republic of South Africa. Die toekoms van varswatervisproduksie in die Republiek van Suid-Afrika. AFR.  
Leonard, J. S.  
Pretoria : [S.N.],. 1975. 5 p. -.  
NAL Call No.: 24 So863 No.128  
(South Africa. Dept. of Agricultural Technical Services. Tegnieise mededeling ; no. 128)  
(English summary. Bibliography: p. 5.)

2713 1975  
GREEN TURTLE FARMING - A GROWING DEBATE.  
REIGER, G.  
SEA FRONTIERS 21 (4), 215-223.  
Aquaculture Data Base No.: 2163

2714 1975  
Guide for the fish breeder. Spravochnik rybovoda. RUSSIAN.  
Beliaev, Vasilii Ivanovich.  
Minsk: "Uradzhai"; 1975. 191 p.: ill.  
NAL Call No.: SH91.B4

2715 1975  
IMPORTANT DISCOVERIES ABOUT NATIVE WARM WATER FISH.  
BOWERMAN, M.R.  
AUSTRALIAN FISHERIES 34 (5), 3-8.  
Aquaculture Data Base No.: 3384

2716 1975  
IMPROVED METHODS OF MILKFISH CULTURE I. INCREASING PRODUCTION IN SHALLOW, UNDRAINABLE BRACKISH-WATER PONDS.  
PADLAN, P.G.; RANOEMIHARDJO, B.S.; HAMAMI, E.  
SHRIMP CULTURE RESEARCH CENTRE, BULLETIN I (1), 33-39.  
Aquaculture Data Base No.: 3000

2717 1975  
INDIRECT USE OF POWER PLANT THERMAL EFFLUENTS IN MARINE AQUACULTURE.  
HUGUENIN, J.E.  
PROCEEDINGS OF THE WORKSHOP ON UTILIZATION OF THERMAL EFFLUENTS IN AQUACULTURE, P.18, 26-27.  
Aquaculture Data Base No.: 4589

2718 1975  
Introduction to carp farming.  
Kruger, E. J.  
Pretoria: Transvaal Provincial Administration, Nature Conservation Division; 1975. 54 p.: ill.; 21 cm.  
NAL Call No.: SH167.C3K7  
(Bibliography: p. 53.)

2719 1975  
MARICULTURE SYSTEM USES WASTES TO MAKE FOOD.  
KEIFFER, E.



NEMRIP INFORMATION (71), 1,3.  
Aquaculture Data Base No.: 8025

2720 1975  
Marine fish cultivation, pioneering studies on the culture of the larvae of the plaice (*Pleuronectes platessa* L.) and the sole (*Solea solea* L.).  
Shelbourne, J E.  
London : Her Majesty's Stationery Office., 1975. 29 p. : ill. -.  
NAL Call No.: SH69.G7 V.27, No.9  
(Gt. Brit. Ministry of Agriculture, Fisheries and Food. Fishery investigations. Series 2 ; v. 27, no. 9)  
(Bibliography: p. 28-29.)

2721 1975  
MASS PRODUCTION OF MARINE ALGAE IN OUTDOOR CULTURES.  
GOLDMAN, J.C.; RYTHER, J.H.  
NATURE 254 (5501); 594-595.  
Aquaculture Data Base No.: 2159

2722 1975  
OBSERVATIONS ON MILKFISH CULTURE IN DEEP WATER, ENCOURAGING PLANKTON GROWTH.  
RANOEMIHARDJO, B.S.; POERNOMO, A.; ALIKUNHI, K.H.  
BULLETIN OF THE SHRIMP CULTURE RESEARCH CENTER 1 (1), 12-18.  
Aquaculture Data Base No.: 2978

2723 1975  
OUT-BAY CULTURE OF BIVALVE MOLLUSKS.  
BREESE, W.P.  
NATIONAL SHELLFISHERIES ASSOCIATION 1974 PROCEEDINGS 65, 76-77.  
Aquaculture Data Base No.: 3255

2724 1975  
Paddlewheels for catfish pond aeration [Fish culture].  
Busch, C D; Koon, J L.  
*Highlights Agric Res.* 22 (2): 3. Summer 1975. )  
NAL Call No.: 100 AL1H

2725 1975  
Phytoplankton and bacterial plankton in the experimental rearing pond of the "Voskhod" State Farm (1974) (Stavropol Territory). RUSSIAN.RUSSIAN.  
Kuznetsov, E.A.; Nasonov, A.I.  
Nauchnye trudy - Stavropol'skii sel'skokhoziaistvennyi institut; v. 6, (38), p. 21-27. ill. 1975. (Stavropol': Institut.)  
NAL Call No.: 106 ST27  
(6 ref.)

2726 1975  
POLY CULTURE STUDIES WITH CHANNEL CATFISH AND BUFFALO.  
PERRY, W.G., JR.; AVAULT, J.W., JR.  
PROCEEDINGS OF THE TWENTY-NINTH ANNUAL CONFERENCE OF THE SOUTHEASTERN ASSOCIATION OF GAME AND FISH COMMISSIONERS, 1975. 13P.  
Aquaculture Data Base No.: 4095

2727 1975  
A POLY CULTURE SYSTEM FOR COMMERCIALY IMPORTANT MARINE SPECIES WITH SPECIAL REFERENCE TO THE LOBSTER (*HOMARUS AMERICANUS*).

MITCHELL, J.R.  
PROCEEDINGS OF THE SIXTH ANNUAL WORKSHOP WORLD MARICULTURE SOCIETY, SEATTLE, WASHINGTON, 249-259.  
Aquaculture Data Base No.: 3149

2728 1975  
Pond-fish culture. Prudovoe rybovodstvo. RUSSIAN.  
Sukhoverkov, Filipp Mikhailovich.; Sivertsev, Aleksandr Pavlovich.  
Moskva: Pishchevaia promyshlennost; \_ 1975. 469 p.: ill.  
NAL Call No.: SH159.S9  
(Bibliography: p. 460-(466).)

2729 1975  
PORPHYRA CULTIVATION IN JAPAN.  
MIURA, A.  
ADVANCE OF PHYCOLOGY IN JAPAN. P. 272-304.  
DR. W. JUNK B.V. PUBLISHERS THE HAGUE.  
Aquaculture Data Base No.: 3713

2730 1975  
PORT BROUGHTON PRAWN FARM EXPANDING.  
POWNALL, P.C.  
AUSTRALIAN FISHERIES 34 (8), 6-7.  
Aquaculture Data Base No.: 7593

2731 1975  
PRELIMINARY OBSERVATIONS ON SURVIVAL, GROWTH AND PRODUCTION OF PENAEUS MONODON FABRICIUS AND PENAEUS MERGUIENSIS DE MAN IN SHALLOW, BRACKISHWATER PONDS.  
ALIKUNHI, K.H.; BUDIONO, M.; ADISUKRESNO, S.; BUSMAN, S.  
INDONESIA SHRIMP CULTURE RESEARCH CENTER BULLETIN 1 (2), 47-55.  
Aquaculture Data Base No.: 3481

2732 1975  
Primer on fish-culture. Cartilla del piscicultor : proyecto de piscicultura. SPANISH.  
Woynarovich, Elek.  
Caracas: Division de Divulgacion de la Direccion de Informacion del Sector Agropecuario, Ministerio de Agricultura y Cria; between 1975 and 1979. 111 p.: chiefly ill.; 29 cm.  
NAL Call No.: SH65.W6  
At head of title: Republica de Venezuela. Ministerio de Agricultura y Cria. Oficina Nacional de Pesca.

2733 1975  
Principles of fishery science.  
Everhart, Watson Harry; 1918-; Eipper, Alfred W; Youngs, William D.  
Ithaca : Comstock Pub. Associates., 1975. 288 p. : ill. ; 22 cm.  
NAL Call No.: SH328.R69 1975  
(Original ed., by George A. Rounsefell and W. Harry Everhart, published in 1953 under title: Fishery science, its method and applications. Includes bibliographies and index.)

2734 1975  
Prospects of combined utilization of water resources for the development of commercial fish farming in Turkmenistan. RUS.  
Charyev, R; Shkeda, A M.

*Problemy osvoeniia pustyn'*. 4: 59-63. Eng. sum. 1975.  
.)  
NAL Call No.: QK938.D4P7

2735 1975  
PROTOTYPE DESIGN FOR A CLOSED MARINE SYSTEM EMPLOYING QUATERNARY WATER PROCESSING.  
HONN, K.V.; CHAVIN, W.  
MARINE BIOLOGY 31 (4), 293-298.  
Aquaculture Data Base No.: 7592

2736 1975  
Rearing carp and phytophagous fish in foraging ponds using a complex of inorganic and micro-fertilizers ("Voskhod" State Farm, Kochubeevskii District, Stavropol Territory). RUSSIAN.  
Astanin, L.P.; Suvorov, V.K.; Pavlivskii, V.P.  
Nauchnye trudy - Stavropol'skii sel'skokhoziaistvennyi institut; v. 6, (38), p. 6-12. 1975. (Stavropol': Institut.)  
NAL Call No.: 106 ST27  
(14 ref.)

2737 1975  
RECENT ADVANCES IN LOBSTER AQUACULTURE.  
COBB, J.S.  
SEA GRANT LOBSTER AQUACULTURE WORKSHOP TECHNICAL SESSION 1975. 53P.  
Aquaculture Data Base No.: 2070

2738 1975  
REHABILITATION OF PAMLICO SOUND OYSTER PRODUCING GROUNDS DAMAGED OR DESTROYED BY HURRICANE GINGER.  
MUNDEN, F.H.  
NORTH CAROLINA DEPARTMENT OF NATURAL AND ECONOMIC RESOURCES, SPECIAL SCIENTIFIC REPORT 27. 34P.  
Aquaculture Data Base No.: 2369

2739 1975  
THE RELATIONSHIP BETWEEN BIOTIC VARIETY AND THE EFFICIENCY OF BIOLOGICAL FILTRATION IN CLOSED AQUACULTURE SYSTEMS.  
FOSTER, N.R.  
PROCEEDINGS OF THE SIXTH ANNUAL WORKSHOP WORLD MARICULTURE SOCIETY, SEATTLE, WASHINGTON, 487-492.  
Aquaculture Data Base No.: 3145

2740 1975  
RESEARCH ON THE CULTURING OF THE BRINE SHRIMP ARTEMIA SALINA L. AT THE STATE UNIVERSITY OF GHENT (BELGIUM).  
SORGELOOS, P.  
PROCEEDINGS OF THE SIXTH ANNUAL WORKSHOP WORLD MARICULTURE SOCIETY, SEATTLE, WASHINGTON. 441-442.  
Aquaculture Data Base No.: 3518

2741 1975  
THE RESULTS OF TESTS IN INTENSIVE GROWTH OF FISH AT GENOSAR (ISRAEL) STATION PONDS IN 1974.  
RAPPOPORT, U.; SARIG, S.

BAMIDGEH 27 (3), 75-82.  
Aquaculture Data Base No.: 7453

2742 1975  
SALMON CULTURE PROGRAM.  
DAY, P.; KOERING, A.F.; NORENBURG, W.H.; NOLAN, G.; ORTH, F.; ROBINSON, T.; TUTT, J.  
PRINCE WILLIAM SOUND AQUACULTURE CORPORATION, CORDOVA, ALASKA. 124P.  
Aquaculture Data Base No.: 2398

2743 1975  
SALMONID AQUACULTURE STUDIES.  
HERSHBERGER, W.K.; BRANNON, E.L.; MAHAKEN, C.; FELDMANN, C.L.; HOPELY, C.N.; ROLEY, D.D.; SATIA, B.P.; HITRON, J.W.; SCRIBNER, T.B.  
UNIVERSITY OF WASHINGTON, 1974 RESEARCH IN FISHERIES, ANNUAL REPORT OF THE COLLEGE OF FISHERIES, CONTRIBUTION NO. 415.  
Aquaculture Data Base No.: 3688

2744 1975  
SASKATCHEWAN TROUT FARMING REVIEW 1974.  
SWANSON, M.E.  
SASKATCHEWAN DEPARTMENT OF TOURISM AND RENEWABLE RESOURCES, FISHERIES AND WILDLIFE BRANCH. 11P.  
Aquaculture Data Base No.: 2186

2745 1975  
SEAWEED AQUACULTURE.  
MATHIESON, A.C.  
MARINE FISHERIES REVIEW 37 (1), 2-14.  
Aquaculture Data Base No.: 1578

2746 1975  
THE SELECTION OF SITES FOR AQUACULTURE.  
NEW, M.B.  
PROCEEDINGS OF THE SIXTH ANNUAL WORKSHOP WORLD MARICULTURE SOCIETY, SEATTLE, WASHINGTON. 379-387.  
Aquaculture Data Base No.: 3043

2747 1975  
SHELLFISH FACTORY OF THE FUTURE.  
COOK, A.K.  
NOAA 5 (2), 36-41.  
Aquaculture Data Base No.: 2154

2748 1975  
The shrimp fishery of the South Atlantic United States :: A regional management plan.  
Eldridge, Peter J..  
Charleston : South Carolina Marine Resources Center, Wildlife and Marine Resources Dept., 1975. vi, 66 leaves. -.  
NAL Call No.: SH222.S6S6 No.8  
(South Carolina. Marine Resources Center. Technical report ; no. 8)  
(Bibliography: leaves [65]-66.)

2749 1975  
Silvicultural and pastoral integrated production system (Agriculture? fish culture?) in the Puerto Leguizamo-La Tauga military settlement [Programs and systems analysis, Colombia]. Sistema de produccion integrado silvo-pastoril (Agricola? Piscicola?) en la colonizacion militar Puerto Leguizamo-La Tagua. SPA.



Guerrero M, R; Echeverri R, R.  
*Ser Conf Cursos Reun Interam Inst Agric Sci.* 90  
 (III-A): 22-30. 1975. )  
 NAL Call No.: S401.I56

2750 1975  
 So is a carp pond managed; 2., neubearb. und erw. Aufl.  
 So bewirtschaftet man Karpfenteiche. GER.  
 Kunze, Kurt.  
 Hamburg, Parey. [1975]. 147 p. illus.  
 NAL Call No.: SH167.C3K83 1975

2751 1975  
 Some observations and experiences in pen culture for  
 bangos in Laguna de Bay [Fish farming].  
 Mane, A M.  
*Monitor.* 3 (8): 6, 8, 11. Aug 1975. )  
 NAL Call No.: S542.P6M6

2752 1975  
 STRIPED BASS REARING EXPERIMENT.  
 RUTLEDGE, W.P.; GUEST, W.C.  
 TEXAS PARKS AND WILDLIFE DEPARTMENT,  
 AUSTIN, TEXAS. PROJECT F-31-R-1. 1-14.  
 Aquaculture Data Base No.: 6488

2753 1975  
 THE SURVIVAL GREENHOUSE. AQUACULTURE.  
 DEKORNE, JAMES B.  
 THE SURVIVAL GREENHOUSE. JAMES B.  
 DEKORNE, 121-135.  
 Aquaculture Data Base No.: 8005

2754 1975  
 Test of integrated aquicultural productions: utilization of  
 wastewaters of a circuit experimental fish culture farm  
 for the cultivation of watercress. Essai de productions  
 aquicoles integrees: utilisation des eaux de rejets d'un  
 circuit ferme experimental de pisciculture pour la culture  
 de cresson. FRE.  
 Lesel, R; Ifergan, C; Blanc, D.  
*Bull Fr Piscic.* 48 (259): 41-52. Ref. Fourth Quarter  
 1975. )  
 NAL Call No.: 414.8 B87

2755 1975  
 USE OF THERMAL EFFLUENT IN CULTURING  
 THE AMERICAN LOBSTER.  
 VAN OLST, J.C.; FORD, R.F.; CARLBERG, J.M.;  
 DORBAND, W.R.  
 SAN DIEGO STATE UNIVERSITY.  
 CONTRIBUTION NO. 13. 27P.  
 Aquaculture Data Base No.: 2474

2756 1975  
 A waste recycling-marine aquaculture system.  
 Ryther, J H; Goldman, J C.  
*In Proceedings of a Symposium on Water Quality  
 Management Through Biological Control.* p. 134-143.  
 1975. )  
 NAL Call No.: TD365.S9 1975

2757 1975  
 Ways of fish culture improvement in the Stavropol  
 Territory. RUSSIAN.  
 Astanin, L.; Belokobyl'skii, P.F.

Nauchnye trudy - Stavropol'skii sel'skokhoziaistvennyi  
 institut; v. 6, (38), p. 3-6. 1975. (Stavropol': Institut.)  
 NAL Call No.: 106 ST27  
 (3 ref.)

2758 1975  
 YEAR-ROUND, MULTIPLE CROPPING TO  
 INCREASE PRODUCTION OF MILKFISH,  
 CHANOS CHANOS, FROM SHALLOW, BRACKISH  
 WATER PONDS.  
 PADLAN, P.G.; POERNOMO, A.; ALIKUNHI, K.H.  
 SHRIMP CULTURE RESEARCH CENTER  
 BULLETIN (JEPAT, INDONESIA) 1 (2), 79-98.  
 Aquaculture Data Base No.: 3297

2759 1975  
 2-YEAR HIMB STUDY FOCUSES ATTENTION ON  
 MOI AQUACULTURE.  
 PFUND, R.  
 UNIVERSITY OF HAWAII SEA GRANT  
 NEWSLETTER 5 (12), 1,2,6.  
 Aquaculture Data Base No.: 2399

1974

2760 1974  
 Agricultural fish culture: a handy resource for improving  
 the nutrition of the rural Colombian family. La  
 piscicultura agricola: recurso a mano para mejorar la  
 nutricion de la familia rural colombiana. SPA.  
 Ramos Henao, A.  
*Rev ESSO Agric.* 20 (1): 5-11. Jan/Mar 1974. )  
 NAL Call No.: 9.4 R328

2761 1974  
 THE AMERICAN LOBSTER AS A MODEL FOR  
 THE CONTINUOUS PRODUCTION OF QUALITY  
 SEAFOOD THROUGH AQUACULTURE.  
 SHLESER, R.; TCHOBANOGLIOUS, G.  
 MARINE TECHNOLOGY SOCIETY JOURNAL 8  
 (8), 4-8.  
 Aquaculture Data Base No.: 1703

2762 1974  
 AMMONIA PRODUCTION RATE AND ITS  
 APPLICATION TO FISH CULTURE SYSTEM  
 PLANNING AND DESIGN.  
 LIAO, P.B.  
 KRAMER, CHIN AND MAYO, INC. TECHNICAL  
 REPRINT NO.35, 4P. SEATTLE, WASHINGTON.  
 Aquaculture Data Base No.: 3829

2763 1974  
 AMMONIA REMOVAL BY SELECTIVE ION  
 EXCHANGE, A BACKUP SYSTEM FOR  
 MICROBIOLOGICAL FILTERS IN  
 CLOSED-SYSTEM AQUACULTURE.  
 JOHNSON, P.W.; SIEBURTH, J.M.  
 AQUACULTURE 4 (1), 61-68.  
 Aquaculture Data Base No.: 2526

2764 1974  
 Annual report of the Environmental Research  
 Laboratory, University of Arizona, and the Arid Lands  
 Research Center, Abu Dhabi, 1972-73.  
 [Controlled-environment greenhouses, aquaculture].

n.p.. 1974. 48 p.  
NAL Call No.: S540.A2A7 CUA  
CUA.

2765 1974  
AN APPROACH TO THE AQUACULTURE OF  
LOBSTERS.

SCHNEIDER, T.; ZAHRADNIK, J.W.  
UNIVERSITY OF MASSACHUSETTS  
AQUACULTURAL ENGINEERING LABORATORY,  
WAREHAM. PUB. NO. 008-6-74. 64P.  
Aquaculture Data Base No.: 2379

2766 1974  
AQUACULTURAL ENGINEERING ADVISORY  
SERVICES.

ZAHRADNIK, J.W.  
UNIVERSITY OF MASSACHUSETTS  
AQUACULTURAL ENGINEERING LABORATORY,  
WAREHAM. NEWSLETTER 1 (5).  
Aquaculture Data Base No.: 2390

2767 1974  
AQUACULTURE ENGINEERING, AN EMERGING  
OPPORTUNITY.

WHEATON, F.W.  
AMERICAN SOCIETY FOR ENGINEERING  
EDUCATION CONFERENCE. TROY, NEW YORK.  
8P.  
Aquaculture Data Base No.: 3245

2768 1974  
AQUACULTURE OF "ANGUILLA ROSTRATA",  
THE AMERICAN EEL - ENGINEERING  
ADVISORY SERVICES.

ANGEL, N.B.  
NORTH CAROLINA STATE UNIVERSITY,  
INDUSTRIAL EXTENSION SERVICE, SCHOOL OF  
ENGINEERING PROJECT PROPOSAL. 16P.  
Aquaculture Data Base No.: 2942

2769 1974  
AQUACULTURE OF MOLLUSKS ALONG THE  
UNITED STATES ATLANTIC AND GULF COASTS.

SHAW, W.N.  
NOAA TECHNICAL REPORT NMFS CIRC-388.  
PROCEEDINGS OF THE FIRST U.S.-JAPAN  
MEETING ON AQUACULTURE. 57-65.  
Aquaculture Data Base No.: 826

2770 1974  
AQUACULTURE OF THE AMERICAN EEL  
(ANGUILLA ROSTRATA).

ANGEL, N.B.; JONES, W.R.  
NORTH CAROLINA STATE UNIVERSITY  
SCHOOL OF ENGINEERING INDUSTRIAL  
EXTENSION SERVICE. 43P.  
Aquaculture Data Base No.: 2583

2771 1974  
AQUACULTURE POTENTIAL OF THE  
FRESHWATER CRAYFISH (PACIFASTACUS). I.  
STUDIES DURING 1970.

MASON, J.C.  
FISHERIES RESEARCH BOARD OF CANADA  
TECHNICAL REPORT NO. 440. 43P.  
Aquaculture Data Base No.: 748

2772 1974  
BAY MUSSEL FISHERIES.

PAGCATIPUNAN, R.  
PHILIPPINES FISHERIES NEWSLETTER  
APRIL-JUNE 1974, 12-17.  
Aquaculture Data Base No.: 3122

2773 1974

BIO-ENGINEERING CRITERIA FOR THE  
PROPAGATION OF AMERICAN LOBSTER, SPOT  
SHRIMP AND SEVERAL SPECIES OF OYSTER.  
MAYO, R.D.  
KRAMER, CHIN AND MAYO, INC. TECHNICAL  
REPRINT NO. 41. SEATTLE, WASHINGTON. 12P.  
Aquaculture Data Base No.: 3832

2774 1974

BIOLOGICAL TREATMENT OF WASTEWATER  
USING ALGAE AND ARTEMIA.  
MCSHAN, M.; TRIEFF, N.M.; GRAJGER, D.  
JOURNAL OF THE WATER POLLUTION  
CONTROL FEDERATION 46 (7), 1742-1750.  
Aquaculture Data Base No.: 2230

2775 1974

BRIEF HISTORY OF THE UNIVERSITY OF  
MASSACHUSETTS AQUACULTURAL  
ENGINEERING LABORATORY.  
ZAHRADNIK, J.W.  
UNIVERSITY OF MASSACHUSETTS  
AQUACULTURAL ENGINEERING LABORATORY  
NEWSLETTER 1 (2), 3P.  
Aquaculture Data Base No.: 3163

2776 1974

THE CAGE REARING OF RAINBOW TROUT IN  
PRECAMBRIAN LAKES.  
WHITAKER, J.; MARTIN, J.  
FISHERIES RESEARCH BOARD OF CANADA  
TECHNICAL REPORT NO. 446. 13P.  
(UNPUBLISHED MATERIAL).  
Aquaculture Data Base No.: 2592

2777 1974

The Catfish farmer & world aquaculture news.  
Little Rock, Catfish Farmers of America.. 1974.  
NAL Call No.: SH1.C3  
(Formed by the union of The Catfish farmer  
(SH167.C35C33) and The American fish farmer and  
world aquaculture news (SH1.A4). Merged with  
American fishes and U.S. trout news (SH1.A43) and  
Fish farming industries (Not in NAL) in Sept. 1974 to  
form The Commercial fish farmer & aquaculture news  
(SH1.C65).)

2778 1974

CONTROLLED-ENVIRONMENT AQUACULTURE.  
MAHLER, L.E.; GROH, J.E.; HODGES, C.N.  
PROCEEDINGS OF THE FIFTH ANNUAL  
WORKSHOP WORLD MARICULTURE SOCIETY,  
CHARLESTON, SOUTH CAROLINA, 379-384.  
Aquaculture Data Base No.: 2911

2779 1974

Culture of bivalve molluscs ;; 50 years experience at  
Conwy.  
Walne, P R.



PRODUCTION AND MANAGEMENT SYSTEMS

Surrey, Eng. : Fishing News (Books),. 1974. 173 p. : ill.

NAL Call No.: SH367.W3W3  
(Buckland Foundation book)  
(Includes bibliographies and index.)

2780 1974  
CULTURE OF WHITE SHRIMP (PENAEUS SETIFERUS, LINNAEUS) IN STATIC WATER PONDS.  
ELAM, L.L.; GREEN, A.W.  
PROCEEDINGS OF THE FIFTH ANNUAL WORKSHOP WORLD MARICULTURE SOCIETY. CHARLESTON, SOUTH CAROLINA. 87-97.  
Aquaculture Data Base No.: 2552

2781 1974  
DEVELOPMENT OF A COMMERCIAL AQUACULTURE SYSTEM FOR THE CRAB SCYLLA SERRATA (FORSKAL).  
HARRISON, N.  
UNIVERSITY OF CALIFORNIA. SEA GRANT PROJECT SUMMARY. R/A-8. (ABSTRACT).  
Aquaculture Data Base No.: 2314

2782 1974  
Development of marine fish culture in Guanabara. Desenvolvimento da maricultura na Guanabara. POR.  
Buchaul, J.  
*Lavoura*. 77 (6): 23-27. Nov/Dec 1974. .)  
NAL Call No.: 9.2 L39

2783 1974  
Domestication of the carp *Cyprinus carpio* L.  
Balon, Eugeniusz K.  
[Toronto] The Royal Ontario Museum. 1974. 37 p. illus.  
NAL Call No.: SH167.C3B3  
(Life sciences miscellaneous publication bibliography: p. 27-34)

2784 1974  
DYNAMIC MODEL OF AN OYSTER CULTURE PILOT PLANT.  
CALLAGHAN, S.S.; CALLAGHAN, D.W.  
UNIVERSITY OF MASSACHUSETTS AQUACULTURAL ENGINEERING LABORATORY, WAREHAM. PUB. NO. 009-11-74. 34P.  
Aquaculture Data Base No.: 2211

2785 1974  
Eel culture; Translated by Ichiro Hayashi ... [help to re-arrange and supplement for western needs] by Gordon Williamson ..  
Usui, Atsushi.  
London, Fishing News (Books). [1974]. 186 p. illus.  
NAL Call No.: SH167.E4U813

2786 1974  
ENGINEERING AND ECONOMIC DESIGN CONSIDERATIONS FOR AQUACULTURE FACILITIES.  
ROE, A.; SEGAL, E.  
PROCEEDINGS OF THE FIFTH ANNUAL WORKSHOP WORLD MARICULTURE SOCIETY, CHARLESTON, SOUTH CAROLINA, 371-378.  
Aquaculture Data Base No.: 2910

2787 1974  
EXPERIENCES WITH A MARINE AQUACULTURE-TERTIARY SEWAGE TREATMENT COMPLEX.

HUGUENIN, J.E.; RYTHER, J.H.  
WASTE WATER USE IN THE PRODUCTION OF FOOD AND FIBER - PROCEEDINGS, OKLAHOMA CITY. EPA 660/2-74-041, 377-386.  
Aquaculture Data Base No.: 4590

2788 1974  
EXPERIMENTAL REARING OF TWO MULLET SPECIES MUGIL CEPHALUS AND MUGIL CAPITO IN EGYPTIAN FISH FARMS.  
EISAWY, A.M.; ISHAK, M.M.; HAMZA, A.  
INSTITUTE OF OCEANOGRAPHY AND FISHERIES BULLETIN 4, 59-96.  
Aquaculture Data Base No.: 2425

2789 1974  
Exploitation, survival, growth, and cost of stocked silver salmon in Lake Berryessa, California. [Fish culture].  
Wigglesworth, K A; Rawstron, R R.  
*Calif Fish Game*. 60 (1): 36-43. Ref. Jan 1974. .)  
NAL Call No.: 410 C12

2790 1974  
The feasibility of penaeid shrimp culture in brackish ponds receiving treated sewage effluent.  
Rickards, W L.  
*Environ Prot Technol Ser EPA U S Environ Prot Agency*. 660/2-74-041: 504-512. Ref. June 1974. .)  
NAL Call No.: TD172.E57

2791 1974  
FIRST GUIDELINES FOR THE CULTURE OF CLARIAS LAZERA IN CENTRAL AFRICA.  
DE KIMPE, P.; MICHA, J.C.  
AQUACULTURE 4 (3), 227-248.  
Aquaculture Data Base No.: 2635

2792 1974  
FISH CULTURE IN PRAIRIE POTHOLE.  
SUNDE, L.  
PROCEEDINGS OF FOURTH INLAND COMMERCIAL FISHERIES WORKSHOP, 53-56.  
Aquaculture Data Base No.: 2100

2793 1974  
Fish management project - learning more about conservation, wildlife management.  
Ellarson, Robert S.  
1974: 4 p.: ill.  
NAL Call No.: S533.F66W6  
Document available from: 4-H Youth Development, Lowell Hall, 610 Langdon Street, Madison, Wisconsin 53706. Publication intended for: Member and Elementary Level. Learning experience: Knowledge, skills, practices.

2794 1974  
FISHERIES AND FISH CULTURE IN ISRAEL IN 1973.  
SARIG, S.  
BAMIDGEH 26 (3), 57-83.  
Aquaculture Data Base No.: 1492

2795 1974  
FISHERIES PROGRAMS WITH A TEXAS BRAND. EXTENSION SERVICE SPECIALISTS STUDY BOTH FRESHWATER AND SALTWATER SPECIES.  
KLUSSMANN, W.

THE CATFISH FARMER AND WORLD  
AQUACULTURE NEWS 6 (1), 33-35.  
Aquaculture Data Base No.: 1542

B AND D FISH FARMS. NEWBERRY SPRINGS,  
CALIFORNIA. 80P.  
Aquaculture Data Base No.: 1295

2796 1974  
FRESHWATER FISH CULTURE IN THE UNITED STATES.  
WILLOUGHBY, H.  
NOAA TECHNICAL REPORT NMFS CIRC-388.  
PROCEEDINGS OF THE FIRST U.S.-JAPAN MEETING ON AQUACULTURE. 67-74.  
Aquaculture Data Base No.: 827

2804 1974  
Location and design of a commercial fish-out operation [Fish farming].  
Watt, C E.  
*In Proceedings of the Fish Farming Conference and Annual Convention Catfish Farmers of Texas.* p. 74-79. 1974. .)  
NAL Call No.: SH167.C35F5 1974

2797 1974  
Handbook of instructions and of improvements for agents of maritime fisheries for tropical countries.  
Manuel d'instruction et de perfectionnement des agents des services des peches maritimes des pays tropicaux. FRENCH.  
Jamet, Jean.; Lagoin, Y.; Moal, Roland A.  
(Paris): Societe Centrale pour l'Equipment du Territoire - International; c1974. v.: ill.; 24 cm.  
NAL Call No.: SH331.J3

2805 1974  
MARICULTURE POTENTIALS IN ESTUARINE OIL-PIPELINE CANALS.  
KILGEN, R.H.; HARRIS, A.H.  
UNIVERSITY OF MIAMI. GULF AND CARIBBEAN FISHERIES INSTITUTE  
PROCEEDINGS 26, 75-80.  
Aquaculture Data Base No.: 1158

At head of title: Republique Francaise. Ministere de la cooperation. Direction de l'aide au developpement  
Cover title: Manuel des peches maritimes tropicales.  
(Includes bibliographies.)

2806 1974  
MINNOW FARMING, AN AMERICAN ENTERPRISE, THEN-NOW-AND THE FUTURE.  
HUDSON, S.  
CATFISH FARMER WORLD AQUACULT. NEWS 6 (1), 31, 32, 37, AND 38.  
Aquaculture Data Base No.: 5149

2798 1974  
Harvest your farm pond. [Fish culture].  
Martin, R.  
*Org Gard Farming.* 21 (6): 74-78. June 1974. .)  
NAL Call No.: 57.8 OR32

2807 1974  
OBJECTIVE 4 STRIPED BASS REARING EXPERIMENT.  
RUTLEDGE, W.P.  
TEXAS PARKS AND WILDLIFE DEPARTMENT, AUSTIN, TEXAS. PROJECT F-23-R-3, 1-3.  
Aquaculture Data Base No.: 2104

2799 1974  
HUSBANDRY HELPS HARVESTS OF HEALTHY SHRIMP.  
KRANTZ, G.E.; IVERSEN, E.S.  
UNIVERSITY OF MIAMI. GULF AND CARIBBEAN FISHERIES INSTITUTE  
PROCEEDINGS 26, 92-98.  
Aquaculture Data Base No.: 1152

2808 1974  
POLYSPECIES AQUACULTURE SYSTEMS. THE DETRITAL TROPHIC LEVEL.  
TENORE, K.R.; BROWNE, M.G.; CHESNEY, E.J. JR.  
JOURNAL OF MARINE RESEARCH 32 (3), 425-432.  
Aquaculture Data Base No.: 1167

2800 1974  
Integrated algae-fish-legume farming.  
Chan, G L.  
*Sci New Guinea Univ Papua.* 2 (1): 45-47. Apr 1974. .)  
NAL Call No.: Q4.S25

2809 1974  
PORT BROUGHTON PRAWN FARM WELL UNDER WAY.  
POWNALL, P.C.  
AUSTRALIAN FISHERIES 33 (5), 11-13.  
Aquaculture Data Base No.: 1680

2801 1974  
INTENSIVE MANAGEMENT OF WATER FOR FISH PRODUCTION.  
SMITHERMAN, R.O.; BOYD, C.E.  
WATER RESOURCES UTILIZATION AND CONSERVATION IN THE ENVIRONMENT. FORT VALLEY STATE COLLEGE, FORT VALLEY, GEORGIA, 152-166.  
Aquaculture Data Base No.: 4069

2810 1974  
Practical raising of fishes; 4. ed. Criacao pratica de peixes: Carpa, apaiari, tucunare, peixe-rei "black bass", tilapia. POR.  
Machado, Cirilo E De Mafra.  
Sao Paulo, Nobel. 1974. 112, [5] p. illus.  
NAL Call No.: SH165.M3 1974  
(Biblioteca rural, 14)  
(Bibliography: p. [117])

2802 1974  
The inter-relations of agriculture and aquaculture in multicropping rice and fish.  
Van Dyke, J M; Green, V E Jr.  
*Riso.* 23 (4): 365-371. Ref. Dec 1974. .)  
NAL Call No.: 59.8 R49

2811 1974  
PRELIMINARY DATA ON CRASSOSTREA ANGULATA LAM, IN THE ADRIATIC SEA.  
RENZONI, A.

2803 1974  
THE LAYMAN'S BOOK OF CATFISH FARMING.  
WOLTMAN, R.



AQUACULTURE 3 (2), 119-133.  
Aquaculture Data Base No.: 3108

2812 1974  
PRIVATE SALMON AQUACULTURE ON THE  
PACIFIC COAST OF THE UNITED STATES.  
MCNEIL, W.J.  
INTERNATIONAL COUNCIL FOR THE  
EXPLORATION OF THE SEA, C.M. 1974/M.16. 7P.  
Aquaculture Data Base No.: 2383

2813 1974  
PROBLEMS AND POTENTIALS OF RECYCLING  
WASTES FOR AQUACULTURE.  
KILDOW, J.; HUGUENIN, J.E.  
MIT SEA GRANT PROGRAM REPORT NO. MIT  
SG 74-27.  
Aquaculture Data Base No.: 1700

2814 1974  
RECAPTURING CHANNEL CATFISH IN CAGES  
FROM WHICH THEY WERE RELEASED.  
TARRANT, R.M. JR.  
PROCEEDINGS OF THE 1974 FISH FARMING  
CONFERENCE AND ANNUAL CONVENTION  
CATFISH FARMERS OF TEXAS. TEXAS  
AGRICULTURAL EXTENSION SERVICE, TEXAS  
A AND M UNIVERSITY. P. 33-39.  
Aquaculture Data Base No.: 735

2815 1974  
Report on pilot aquaculture system using domestic  
wastewaters for rearing Pacific salmon smolts.  
Allen, G H; Dennis, L.  
*Environ Prot Technol Ser EPA U S Environ Prot  
Agency.* 660/2-74-041: 162-198. Map. Ref. June 1974. .)  
NAL Call No.: TD172.E57

2816 1974  
Rizipisciculture; Rice and fish culture. FRE.  
Ruremesha, J.  
*Bull Agric Rwanda.* 7 (4): 270-271. Oct 1974. .)  
NAL Call No.: S19.R8

2817 1974  
SAN DIEGO STATE UNIVERSITY AQUACULTURE  
RESEARCH ON HOMARUS AMERICANUS.  
FORD, R.F.  
SAN DIEGO STATE UNIVERSITY. 6P.  
Aquaculture Data Base No.: 2372

2818 1974  
THE SHRIMP AQUACULTURE PROGRAM AT  
THE ENVIRONMENTAL RESEARCH  
LABORATORY, UNIVERSITY OF ARIZONA.  
RILEY, J.R.; DORSEY, K.T.; SUPPLEE, V.C.  
PROCEEDINGS OF THE FIFTH ANNUAL  
WORKSHOP WORLD MARICULTURE SOCIETY,  
CHARLESTON, SOUTH CAROLINA. 421-426.  
Aquaculture Data Base No.: 2735

2819 1974  
SHRIMP FARMING.  
NORRIS, J.P.

SEA FRONTIERS 20 (2), 100-107.  
Aquaculture Data Base No.: 1869

2820 1974  
The shrimp fishery of the southeastern United States ;;  
A management planning profile.  
Calder, Dale R..  
Charleston : South Carolina Marine Resources Center,  
Wildlife and Marine Resources Dept.,. 1974. vi, 229 p. :  
ill., maps ; 28 cm. -.  
NAL Call No.: SH222.S6S6 No.5  
(South Carolina. Marine Resources Center. Technical  
report ; no. 5)  
(Includes bibliographies.)

2821 1974  
SOME HEATING DEVICES FOR SEAWATER  
AQUACULTURE.  
BARNABE, G.  
AQUACULTURE 4 (3), 305-306.  
Aquaculture Data Base No.: 2533

2822 1974  
SOME TECHNICAL PROBLEMS IN  
FRESHWATER FISH CULTURE IN JAPAN.  
KAWATSU, H.  
NOAA TECHNICAL REPORT NMFS CIRC-388.  
PROCEEDINGS OF THE FIRST U.S.-JAPAN  
MEETING ON AQUACULTURE. 17-22.  
Aquaculture Data Base No.: 821

2823 1974  
Symposium on overharvest and management of  
largemouth bass in small impoundments.  
Funk, John L.  
(S.l.): North Central Division, American Fisheries  
Society; 1974. 116 p.: ill.; 25 cm.  
NAL Call No.: SH351.B3S9  
Presented at the annual meeting held in conjunction  
with the 34th Midwest Fish and Wildlife Conference,  
December, 1972 in Des Moines, Iowa.  
(Special publication / North Central Division,  
American Fisheries Society ; no. 3)  
(Includes bibliographies.)

2824 1974  
Technical memos on fish culture for tropical Africa.  
Fiches techniques de pisciculture pour l'Afrique  
tropicale. FRE.  
Boel, Louis X; Lair, Jean Claude; Thiebaut, Andre.  
Nogent-sur-Marne, France, Centre technique forestier  
tropical. 1974. 35 l. illus.  
NAL Call No.: SH121.B6

2825 1974  
TROUT FARM FEATURED AT POPULAR THEME  
PARK.  
FINKBEINER, K.  
AQUACULTURE AND THE FISH FARMER 1 (3),  
4-6,11.  
Aquaculture Data Base No.: 1016

2826 1974  
TROUT FARMING IN SASKATCHEWAN.  
SWANSON, M.

SASKATCHEWAN DEPARTMENT OF TOURISM  
AND RENEWABLE RESOURCES. 18P.  
Aquaculture Data Base No.: 2580

2827 1974  
TROUT PRODUCTION IN PRAIRIE PONDS.  
LAWLER, G.H.; SUNDE, L.A.; WHITAKER, J.  
JOURNAL OF THE FISHERIES RESEARCH  
BOARD OF CANADA 31 (5), 929-936.  
Aquaculture Data Base No.: 1674

2828 1974  
TWO MAJOR PROBLEMS IN CULTURING  
CRAYFISH IN PONDS, OXYGEN DEPLETION  
AND OVERCROWDING.  
AVault, J.W., JR.; BRETONNE, L.W. DE LA;  
HUNER, J.V.  
PROCEEDINGS OF THE SECOND  
INTERNATIONAL CRAYFISH SYMPOSIUM.  
BATON ROUGE, LOUISIANA, 1974. 139-144.  
Aquaculture Data Base No.: 3917

2829 1974  
TWO YEARS OF SALMONID WINTER CULTURE  
EXPERIMENTS IN COASTAL AQUACULTURE.  
TATUM, W.M.  
PROCEEDINGS OF THE FIFTH ANNUAL  
WORKSHOP WORLD MARICULTURE SOCIETY,  
CHARLESTON, SOUTH CAROLINA. 411-418.  
Aquaculture Data Base No.: 2782

2830 1974  
THE USE OF POLLUTANTS FOR AQUACULTURE  
- CONDITIONING OF WASTES FOR  
AQUACULTURE.  
CHAN, G.L.  
INDO-PACIFIC FISHERIES COUNCIL  
PROCEEDINGS, 15TH SESSION. SECTION II.  
COASTAL AQUACULTURE AND ENVIRONMENT.  
84-91.  
Aquaculture Data Base No.: 815

2831 1974  
VARIABILITY OF NORTHERN PIKE POND  
CULTURE PRODUCTION.  
CLARK, J.H.  
COLORADO STATE UNIVERSITY DEPARTMENT  
OF FISHERY AND WILDLIFE BIOLOGY THESIS.  
35P.  
Aquaculture Data Base No.: 2216

2832 1974  
VERTICAL RACEWAYS AND WATER REUSE AS A  
MEANS OF MAXIMIZING COMMERCIAL TROUT  
PRODUCTION.  
MCCLESKEY, R.N.; MCNALL, W.J.  
NEW MEXICO DEPARTMENT OF FISH AND  
GAME, PROJECT NO. 6-20-R-1 FINAL REPORT.  
11P.  
Aquaculture Data Base No.: 2381

2833 1974  
WARM WATER FISH FARMS AT THERMAL  
POWER STATIONS.  
VOUTOVICH, A.

USSR RESOURCES NO. 496, 16-19.  
Aquaculture Data Base No.: 3696

2834 1974  
WASTE TREATMENT COSTS FOR SALTWATER  
AQUACULTURE FACILITIES.  
TCHOBANOGLIOUS, G.  
PROCEEDINGS OF THE FIFTH ANNUAL  
WORKSHOP WORLD MARICULTURE SOCIETY,  
CHARLESTON, SOUTH CAROLINA. 357-369.  
Aquaculture Data Base No.: 2904

2835 1974  
Wastewater utilization in integrated aquaculture and  
agriculture systems. [Irrigation].  
Hepher, B; Schroeder, G L.  
*Environ Prot Technol Ser EPA U S Environ Prot  
Agency.* 660/2-74-041: 9-15. June 1974. .)  
NAL Call No.: TD172.E57

1973

2836 1973  
ALABAMA'S RECREATIONAL CATFISH PONDS.  
MCCOY, E.W.; RUZIC, J.E.  
AUBURN UNIV., AGRI. EXP. STA., BULL. 451, 21  
PP.  
Aquaculture Data Base No.: 5048

2837 1973  
ALTERNATIVES IN AQUACULTURAL  
DEVELOPMENT. CONSIDERATION OF  
INTENSIVE VERSUS EXTENSIVE METHODS.  
NEAL, R.A.  
JOURNAL OF THE FISHERIES RESEARCH  
BOARD OF CANADA PT. 2, 30 (12), 2218-2222.  
Aquaculture Data Base No.: 1513

2838 1973  
Annual report, Mad River Salmon and Steelhead  
Hatchery, first year of operation 1970-71 (Anadromous  
Fisheries Branch Administrative Report No. 73-12).  
Will, R D.  
Sacramento. Apr 1973. 15 p.  
NAL Call No.: DOCS CUA  
CUA.

2839 1973  
AQUACULTURE OF THE AMERICAN LOBSTER.  
SHLESER, R.A.  
UNIVERSITY OF CALIFORNIA. SEA GRANT  
COLLEGE PROGRAM ANNUAL REPORT  
1972-1973. SG PUB. NO. 37, 32-34.  
Aquaculture Data Base No.: 1497

2840 1973  
AQUACULTURE. LOBSTERS.  
HUGHES, J.T.  
S E A SCOPE 3 (2), 1,6-8.  
Aquaculture Data Base No.: 1863

2841 1973  
Brackishwater aquaculture in the Mediterranean region.



- Rome : FAO., 1973. 127 p. : ill. -.  
 NAL Call No.: SH1.F65 No.52  
 (Food and Agriculture Organization of the United Nations. General Fisheries Council for the Mediterranean. Studies and reviews ; no. 52)  
 (Twelve contributions presented at the symposium. Includes bibliographical references.)
- 2842 1973  
**Can fish farming remain an area of modern food production. Kan fiskeoppdrett bli en ny naeringsgren. NOR.**  
 Skjervold, H.  
*Landbrukstidende*. 79 (28): 713-716. July 14, 1973. )  
 NAL Call No.: 11 L236
- 2843 1973  
**CHILE DEVELOPS THE CULTIVATION OF TROUT IN CAGES. ARROYO, S.**  
 FISH FARMING INTL. 1(1), 99-104.  
 Aquaculture Data Base No.: 5071
- 2844 1973  
**Chinese fresh-water fish culture.; 2d ed. -. Chung-kuo tan shui yu lei yang chih hsueh. CHL.**  
 Peking : K'o hsueh ch'u pan she., 1973. xiv, 598 p. : ill.  
 NAL Call No.: SH105.C6 1973
- 2845 1973  
**Complex mechanization of pond fish breeding; Izd. 2., perer. i dop. Kompleksnaia mekhanizatsiia prudovogo rybovodstva. RUS.**  
 Grib, Viktor Konstantinovich; Morev, Anatolii Nikolaevich.  
 Moskva, Pishchevaia promyshlennost'. 1973. 389 p. illus.  
 NAL Call No.: SH159.G7 1973  
 (Bibliography: p. 277-[387])
- 2846 1973  
**CONSTRUCTION AND REHABILITATION OF COMMERCIAL OYSTER REEFS IN FLORIDA FROM 1949 THROUGH 1971 WITH EMPHASIS ON ECONOMIC IMPACT IN FRANKLIN COUNTY. WHITFIELD, W.K., JR.**  
 FLORIDA DEPARTMENT OF NATURAL RESOURCES MARINE RESEARCH LABORATORY, SPECIAL SCIENTIFIC REPORT NO. 38, 42P.  
 Aquaculture Data Base No.: 3665
- 2847 1973  
**DESIGN OF SUBMERSIBLE RAFTS FOR AQUACULTURE. SYSTEMS ANALYSIS OF HATCHERY PROCEDURES. SCHNEIDER, W.L.; MORIN, R.H.**  
 UNIVERSITY OF MAINE SEA GRANT PROGRAM ANNUAL REPORT 1973. R/A6, 28-30.  
 Aquaculture Data Base No.: 1705
- 2848 1973  
**DEVELOPMENT OF FISH FARMS IN JAPAN. MILNE, P.H.**  
 FISHING NEWS INTL. 12(12), 17-20, 23-24.  
 Aquaculture Data Base No.: 5228
- 2849 1973  
**DIFFERENTIAL RETENTION OF FIVE FLOY(R) TAGS ON LARGEMOUTH BASS (MICROPTERUS SALMOIDES) IN HATCHERY PONDS. WILBUR, R.L.; DUCHROW, R.M.**
- PROCEEDINGS SOUTHEASTERN ASSOCIATION OF GAME AND FISH COMMISSIONERS 26, 407-413.  
 Aquaculture Data Base No.: 1120
- 2850 1973  
**EVALUATION OF CIRCULAR TANKS FOR SALMONID PRODUCTION. LARMOYEUX, J.D.; PIPER, R.G.; CHENOWETH, H.H.**  
 THE PROGRESSIVE FISH-CULTURIST 35 (3), 122-131.  
 Aquaculture Data Base No.: 651
- 2851 1973  
**EVER SEEN AN ALLIGATOR FARM. HARRISON, H.H.**  
 NATIONAL WILDLIFE 11 (2), 20-24.  
 Aquaculture Data Base No.: 7874
- 2852 1973  
**EXPERIMENTAL POND CULTURE OF BROWN SHRIMP (PENAEUS AZTECUS) IN POWER PLANT EFFLUENT WATER. GOULD, R.A.; ALDRICH, D.V.; MOCK, C.R.**  
 PROCEEDINGS OF THE FOURTH ANNUAL WORKSHOP WORLD MARICULTURE SOCIETY. MONTERREY, MEXICO. 195-213.  
 Aquaculture Data Base No.: 1100
- 2853 1973  
**Fish and the biological principles of fish-culture in the water reservoirs of Uzbekistan. Ryby i biologicheskie osnovy rybokhoziaistvennogo osvoeniia vodokranilishch Uzbekistana. RUS.**  
 Kamilov, Gani Kamilovich.  
 Tashkent, "Fan" UzSSR. 1973. 232, [1] p. illus.  
 NAL Call No.: SH91.K3  
 (Cover title: Ryby vodokhranilishch Uzbekistana. Bibliography: p. 221-[233])
- 2854 1973  
**Fish farming international. Surrey, Eng.. 1973.**  
 NAL Call No.: SH151.F5
- 2855 1973  
**FISHERIES AND FISH CULTURE IN ISRAEL IN 1972. SARIG, S.**  
 BAMIDGEH 25 (2), 35-55.  
 Aquaculture Data Base No.: 1878
- 2856 1973  
**The fishing industry in Mallorca. La pesca industrial mallorquina. SPA.**  
 Massuti, Miguel.  
 Palma de Mallorca, Ediciones Cort. 1973. 158 p. illus., maps.  
 NAL Call No.: SH286.M3M3  
 (Bibliography: p. 155-156.)
- 2857 1973  
**GROWTH AND PRODUCTION OF BROWN AND WHITE SHRIMP (PENAEUS AZTECUS ANP P. SETIFERUS) FROM EXPERIMENTAL PONDS IN BRAZORIA AND ORANGE COUNTIES, TEXAS. PARKER, J.C.; HOLCOMB, H.W., JR.**

PROCEEDINGS OF THE FOURTH ANNUAL  
WORKSHOP WORLD MARICULTURE SOCIETY.  
MONTERREY, MEXICO. 215-234.  
Aquaculture Data Base No.: 1101

2858 1973  
Guide of seafood culture. Guia del mariscador. SPA.  
Aguirre Enriquez, Maria Pilar de.  
[Vigo], Plan Marisquero de Galicia. [1973]. 249 p. col. illus.  
NAL Call No.: SH370.A4  
(Bibliography: p. 230-231.)

2859 1973  
Harvest, mortality, and cost of three domestic strains of  
tagged rainbow trout stocked in large California  
impoundments. [Fish culture].  
Rawstron, R R.  
*Calif Fish Game*. 59 (4): 245-265. Ref. Oct 1973. .)  
NAL Call No.: 410 C12

2860 1973  
HOW IT ALL BEGAN. A TREATISE ON  
BULLFROGS.  
STEARNS, J.E.  
UNIVERSITY OF MICHIGAN. DEPARTMENT OF  
ZOOLOGY. 60P.  
Aquaculture Data Base No.: 1657

2861 1973  
How to raise fish. Tsen yang yang yu. CHINESE.  
Kunming: Yunnan jen ming ch'u pan she; 1973. 65 p.:  
chiefly col. ill.  
NAL Call No.: SH105.K86

2862 1973  
IMPROVING SALMONID AQUACULTURE.  
NAKATANI, R.E.  
UNIVERSITY OF WASHINGTON. SEA GRANT  
PROJECT PROPOSAL. WASHU-P-73-001.  
Aquaculture Data Base No.: 2315

2863 1973  
Integrated operation of large-scale swine rearing and fish  
farming in the coastal areas. JAP.  
Nishihara, S.  
*Anim Husb*. 27 (11): 29-34. map. Nov 1973. .)  
NAL Call No.: 49 C43

2864 1973  
LUMI AQUACULTURE REPORT.  
ELLIS, J.  
WORKSHOP ON SALMONID AQUACULTURE.  
UNIVERSITY OF WASHINGTON. WSG-WO 74-1.  
16.  
Aquaculture Data Base No.: 993

2865 1973  
MANAGING SMALL IMPOUNDMENTS AND  
COMMUNITY LAKES.  
DAVIES, W.D.  
PROCEEDINGS SOUTHEASTERN ASSOCIATION  
OF GAME AND FISH COMMISSIONERS 27,  
347-355.  
Aquaculture Data Base No.: 4130

2866 1973  
A MARINE ANALOGUE TO THE HUSBANDRY OF  
POULTRY ON LAND.  
EPIFANIO, C.E.

DELAWARE ACADEMY OF SCIENCES 1973  
PROCEEDINGS. 9P.  
Aquaculture Data Base No.: 2428

2867 1973  
NEW METHODS OF GROWING OYSTERS IN  
NEW SOUTH WALES.  
WISELY, H.B.  
AUSTRALIAN FISHERIES 32 (12), 6-8.  
Aquaculture Data Base No.: 551

2868 1973  
NORWEGIAN SALMON FARMING.  
MOLLER, D.  
INTERNATIONAL ATLANTIC SALMON  
FOUNDATION SPEC. PUB. SER. 4 (1), 259-263.  
Aquaculture Data Base No.: 2333

2869 1973  
Population structure changes and yields of fishes during  
the initial eight years of impoundment of a warmwater  
reservoir. [Fish culture].  
Hashagen, K A Jr.  
*Calif Fish Game*. 59 (4): 221-244. Ref. Oct 1973. .)  
NAL Call No.: 410 C12

2870 1973  
Possibilities of intensification of production on fish pond  
farms. Mozliwosci intensyfikacji produkcji w  
gospodarstwach stawowych. POL.  
Stegman, K.  
*Nowe Roln*. 22 (19): 23-25. Oct 1/15, 1973. .)  
NAL Call No.: 20.5 N86

2871 1973  
Proceedings of the 1973 Fish Farming Conference and  
Annual Convention Catfish Farmers of Texas, Memorial  
Student Center, Texas A & M University ...  
College Station : [Texas A & M University, College of  
Agriculture],. 1973. 91 p. : ill.  
NAL Call No.: SH167.C32F5 1973  
(Held Jan. 5-6, 1973. Includes bibliographical  
references.)

2872 1973  
Proceedings of the 1974 Fish Farming Conference and  
Annual Convention Catfish Farmers of Texas, J. Earl  
Rudder Conference Tower, Texas A & M University,  
College Station, Texas, January 3-4, 1974.  
[College Station], Texas A & M University. [1974?]. 98 p.  
illus.  
NAL Call No.: SH167.C35F5 1974  
(Includes bibliographies.)

2873 1973  
PRODUCTION OF MILKFISH IN COMBINATION  
WITH COMMON CARP AND THAI CATFISH IN  
FERTILIZED FRESHWATER PONDS.  
GROVER, J.H.  
THE PHILIPPINE JOURNAL OF FISHERIES 11  
(1-2), 1-8.  
Aquaculture Data Base No.: 4084

2874 1973  
PROGRESS TOWARD FARMING SHRIMP IN THE  
UNITED STATES.  
NEAL, R.A.



MARINE FISHERIES REVIEW 35 (3-4), 67-70.  
Aquaculture Data Base No.: 3754

2875 1973  
Raise catfish for fun and profit -- or neither.  
McCoy, E W; Ruzic, J E.  
Highlights Agr Res (Ala Sta) 20(1): Spring 1973. p 8.  
NAL Call No.: 100 AL1H  
AGE.

2876 1973  
Report of the first session of the Indian Ocean Fishery  
Commission, Special Working Party on Stock  
Assessment of Shrimp in the Indian Ocean Area.  
Manama, Bahrain, 29 November-2 December 1971.  
FAO Fish Rep Food Agric Organ U N. 138, 40 p.  
Maps. Aug 1973. )  
NAL Call No.: SH323.F6

2877 1973  
Report to the Government of Jordan on inland fisheries  
development and fish culture.  
Alikunhi, K. H.  
Rome: FAO; 1973. v, 21 p.: ill.; 28 cm.  
NAL Call No.: SH117.J6F6  
At head of title: United Nations Development  
Programme, JOR/71/004 ; no. TA 3186.  
(Bibliography: p. 20.)

2878 1973  
SALMON AQUACULTURE RESEARCH AND  
DEVELOPMENT IN ALASKA.  
MCNEIL, W.; ROYS, R.  
WORKSHOP ON SALMONID AQUACULTURE.  
UNIVERSITY OF WASHINGTON. WSG-WO 74-1.  
10-12.  
Aquaculture Data Base No.: 991

2879 1973  
SASKATCHEWAN TROUT FARMING REVIEW  
1973.  
SWANSON, M.  
SASKATCHEWAN DEPARTMENT OF TOURISM  
AND RENEWABLE RESOURCES. 14P.  
Aquaculture Data Base No.: 2601

2880 1973  
SEA GRANT PROJECT SUMMARY,  
AQUACULTURE OF MARINE ALGAE.  
NORRIS, R.E.  
WASHINGTON SEA GRANT PROGRAM.  
WASHU-P-73-001, 74-75.  
Aquaculture Data Base No.: 3586

2881 1973  
SEA WATER SYSTEM FOR AQUACULTURE OF  
ESTUARINE ORGANISMS AT THE SKIDAWAY  
INSTITUTE OF OCEANOGRAPHY.  
WHITE, D.B.; STICKNEY, R.R.; MILLER, D.;  
KNIGHT, L.H.  
TECHNICAL REPORT SERIES NUMBER 73-1.  
GEORGIA MARINE SCIENCE CENTER,  
SKIDAWAY ISLAND, GEORGIA. 18P.  
Aquaculture Data Base No.: 755

2882 1973  
SECOND REPORT TO THE FISH FARMERS. THE  
STATUS OF WARMWATER FISH FARMING AND  
PROGRESS IN FISH FARMING RESEARCH.  
MEYER, F.P.; SNEED, K.E.; ESCHMEYER, P.T.

RESOURCE PUBLICATION 113. BUREAU OF  
SPORT FISHERIES AND WILDLIFE, 122P.  
Aquaculture Data Base No.: 452

2883 1973  
STATUS REPORTS FROM COMMERCIAL  
PRODUCERS.  
BRANNON, E.  
WORKSHOP ON SALMONID AQUACULTURE.  
UNIVERSITY OF WASHINGTON. WSG-WO 74-1.  
1-5.  
Aquaculture Data Base No.: 989

2884 1973  
STUDIES ON THE BRACKISH WATER CULTURE  
OF RAINBOW TROUT AT SOUTHERN  
LOCATIONS.  
ANDREWS, J.W.; PAGE, J.W.  
FOOD - DRUGS FROM THE SEA PROCEEDINGS  
1972. P. 61-66. MARINE TECHNOLOGY SOCIETY.  
Aquaculture Data Base No.: 1679

2885 1973  
T.V.A. PROJECTS--BENEFICIAL USES OF WASTE  
HEAT.  
BOND, B.J.; MADEWELL, C.E.; MARTIN, J.B.;  
MAYSA, D.A.  
PAPER PRESENTED AT NATIONAL  
CONFERENCE ON COMPLETE WATEREUSE,  
WASH., D.C. APRIL 23 TO 27, 1973, 20 PP.  
Aquaculture Data Base No.: 5194

2886 1973  
Trout farming handbook.  
Sedgwick, S Drummond.  
London, Seeley, Service. [1973]. 157 p. illus.  
NAL Call No.: SH167.T86S4

2887 1973  
Warmwater fish pond management in California.  
Vanicek, C David; Miller, A Wendell.  
[Davis, Calif.]. 1973. 23, [2] p. illus.  
NAL Call No.: SH159.V3  
(Bibliography: p. [25])

1972

2888 1972  
AQUACULTURE OF MOLLUSKS ALONG THE  
WEST COAST OF THE UNITED STATES.  
SHAW, W.N.  
THE AMERICAN MALACOLOGICAL UNION,  
INC., BULLETIN FOR 1971, 37, 23.  
Aquaculture Data Base No.: 1391

2889 1972  
AQUACULTURE OF MOLLUSKS IN THE GULF  
COAST REGION.  
COSTELLO, T.J.  
THE AMERICAN MALACOLOGICAL UNION,  
INC., BULLETIN FOR 1971, 37, 22.  
Aquaculture Data Base No.: 1390

2890 1972  
AQUACULTURE OF SEA SCALLOPS AND  
ABALONE IN JAPAN.  
SHAW, W.N.

PROCEEDINGS OF THE THIRD ANNUAL  
WORKSHOP WORLD MARICULTURE SOCIETY.  
ST. PETERSBURG, FLORIDA. 303-308.  
Aquaculture Data Base No.: 873

2891 1972  
AQUACULTURE TECHNOLOGIES.  
WEBBER, H.H.  
PROCEEDINGS OF THE THIRD ANNUAL  
WORKSHOP WORLD MARICULTURE SOCIETY.  
ST. PETERSBURG, FLORIDA. 129-134.  
Aquaculture Data Base No.: 858

2892 1972  
BIOLOGICAL FILTERS FOR INCREASED FISH  
PRODUCTION.  
GREENE, G.N.  
PROCEEDINGS SOUTHEASTERN ASSOCIATION  
OF GAME AND FISH COMMISSIONERS 25,  
483-489.  
Aquaculture Data Base No.: 1064

2893 1972  
The biology and biotechniques of raising herbivorous  
fish. Biologiya i biotekhnika vyrashchivaniia  
rastitel'noiadnykh ryb. RUS.  
Kozhokaru, E V.  
Kishinev, Shtiintsa. 1972. 250 p. illus.  
NAL Call No.: SH91.B5  
(Includes bibliographies)

2894 1972  
CAGE CULTURE OF TROUT IN WARMWATER  
LAKES.  
COLLINS, R.A.  
AMER. FISH FARMER WORLD AQUACULT.  
NEWS 3 (7), 4-7.  
Aquaculture Data Base No.: 5074

2895 1972  
CATFISH FARMING IN THE SOUTH.  
AVALT, J.W., JR.  
PROCEEDINGS OF THE ANNUAL MEETING OF  
THE NORTH AMERICA GAME BREEDERS AND  
SHOOTING PRESERVE ASSOCIATION, INC. NEW  
ORLEANS, LOUISIANA, JANUARY 18-20, 1972.  
1-11.  
Aquaculture Data Base No.: 4980

2896 1972  
CATFISH FARMING.  
BARTONEK, F.A.  
AMER. FISH FARMER WORLD AQUACULT.  
NEWS 3(8), 4-7. (REPRINTED FROM FARMLAND  
NEWS).  
Aquaculture Data Base No.: 5019

2897 1972  
Coastal aquaculture in the Indo-Pacific region; Papers  
presented at the Indo-Pacific Fisheries Council  
Symposium on Coastal Aquaculture, Bangkok, Thailand,  
18-21 November 1970.  
Pillay, T V R.  
West Byfleet, Eng., Fishing News Books. [1972]. 497 p.  
illus.  
NAL Call No.: SH1.I5144 1970  
(Includes bibliographies)

2898 1972  
COMMERCIAL FISH FARMING.

COATES, J.A.  
PROGRESS IN FISHERY AND FOOD SCIENCE.  
UNIV. WASH. PUB. FISH. NEW SER. 5,209-211.  
Aquaculture Data Base No.: 1245

2899 1972  
COMPARATIVE EFFICIENCY OF FISH CULTURE  
AND OTHER AGRICULTURAL ACTIVITIES PER  
UNIT OF AREA USED.  
SHPET, G.I.  
HYDROBIOLOGICAL J. 8 (3), 46-51.  
Aquaculture Data Base No.: 5156

2900 1972  
COMPARISONS OF STRIPED MULLET AND  
TILAPIA FOR ADDED PRODUCTION IN CAGED  
CATFISH STUDIES.  
PERRY, W.G. JR.; AVALT, J.W., JR.  
THE PROGRESSIVE FISH-CULTURIST 34 (4),  
229-232.  
Aquaculture Data Base No.: 339

2901 1972  
COMPARISONS OF STRIPED MULLET AND  
TILAPIA FOR ADDED PRODUCTION IN CAGED  
CATFISH STUDIES.  
PERRY, W.G., JR.; AVALT, J.W., JR.  
PROCEEDINGS OF THE FOURTH ANNUAL  
CONVENTION OF THE CATFISH FARMERS OF  
AMERICA. DALLAS, TEXAS, FEBRUARY 3-5,  
1972. 1-6.  
Aquaculture Data Base No.: 4984

2902 1972  
CRAWFISH FARMING IN THE UNITED STATES.  
AVALT, J.W., JR.  
LOUISIANA STATE UNIVERSITY. CENTER FOR  
WETLAND RESOURCES, 1-23. SEA GRANT  
PREPRINT. PROCEEDINGS OF THE FIRST  
INTERNATIONAL SYMPOSIUM ON  
FRESHWATER CRAYFISH. AUSTRIA, SEPT. 12-15,  
1972. NO. 1, 239-250.  
Aquaculture Data Base No.: 6135

2903 1972  
CRAWFISH FARMING IN THE UNITED STATES.  
AVALT, J.W., JR.  
PAPER PRESENTED AT THE FIRST  
INTERNATIONAL SYMPOSIUM ON  
FRESHWATER CRAYFISH, SEPT. 12 TO 15, 1972,  
HINTERTHAL, SALZBURGER LAND, AUSTRIA.  
LA. STATE UNIV., CENT. WETLAND RESOUR.,  
SEA GRANT PREPRINT NO. 897, 23 PP.  
Aquaculture Data Base No.: 5125

2904 1972  
CULTURE METHODS FOR RAISING FORAGE  
FISHES.  
MARTIN, J.M.  
UNITED STATES FISH AND WILDLIFE SERVICE,  
FISH FARMING EXPERIMENTAL STATION;  
STUTTGART, ARKANSAS, 1972 ANNUAL  
REPORT, 89-95.  
Aquaculture Data Base No.: 4845

2905 1972  
DEVELOPMENT OF A SPORT FISHERY FOR  
LANDLOCKED SALMON IN A RECLAIMED  
POND.  
WARNER, K.



PRODUCTION AND MANAGEMENT SYSTEMS

THE PROGRESSIVE FISH-CULTURIST 34 (3),  
133-140.  
Aquaculture Data Base No.: 309

2906 1972  
A FEASIBILITY PILOT PROJECT FOR A  
METHOD OF OPEN WATER FISH FARMING.  
NORRIS, K.S.  
OCEANIC INSTITUTE, WAIMANALO, HAWAII.  
NOAA 01-72-78-1. 40P.  
Aquaculture Data Base No.: 943

2907 1972  
Fish and shellfish farming in coastal waters.  
Milne, P H.  
London, Fishing News (Books). [1972]. 208 p. illus.  
NAL Call No.: SH151.M5  
(Bibliography: p. 192-200)

2908 1972  
FISH CULTURE AND FISHERY MANAGEMENT.  
ERDMAN, D.S.  
PUERTO RICO DEPARTMENT OF  
AGRICULTURE, FEDERAL AID PROJ. F-1-20, 4  
(2), 16-20.  
Aquaculture Data Base No.: 2516

2909 1972  
Fish farming and its role in nutrient recycling.  
Pritchard, G I.  
*Can Soc Anim Prod Proc.* 22: 33-55. Ref. 1972. .)  
NAL Call No.: 49.9 EA72

2910 1972  
FISH FARMING REVIEW.  
SWANSON, M.E.  
SASKATCHEWAN DEPARTMENT OF NATURAL  
RESOURCES, FISHERIES AND WILDLIFE  
BRANCH BULLETIN. 17P.  
Aquaculture Data Base No.: 2272

2911 1972  
Hydrobiology and fish culture. *Idrobiologia e  
piscicoltura. ITA.*  
Giordani, Giulia.  
[Bologna] Edagricole. [1972]. 291 p. illus.  
NAL Call No.: QH90.G5  
(Bibliography: p. 280)

2912 1972  
INVERTEBRATE AQUACULTURE.  
WEBBER, H.H.  
PROGRESS IN FISHERY AND FOOD SCIENCE.  
UNIV. WASH. PUB. FISH. NEW SER. 5, 191-201.  
Aquaculture Data Base No.: 1247

2913 1972  
INVESTIGATION OF STRIPED BASS, MORONE  
SAXATILIS (WALBAUM), CULTURE IN  
OKLAHOMA.  
HARPER, J.L.; JARMAN, R.  
PROCEEDINGS SOUTHEASTERN ASSOCIATION  
OF GAME AND FISH COMMISSIONERS 25,  
501-512.  
Aquaculture Data Base No.: 1066

2914 1972  
MARINE FISH FARMING DEVELOPMENT.  
NASH, C.

PROCEEDINGS, KAUAI AQUACULTURE  
CONFERENCE, LIHUE, KAUAI, JUNE 25, 1972, PP.  
22-28.  
Aquaculture Data Base No.: 5230

2915 1972  
MOLLUSCAN AQUACULTURE IN BRITISH  
COLUMBIA.  
BOURNE, N.  
THE AMERICAN MALACOLOGICAL UNION,  
INC., BULLETIN FOR 1971, 37, 25-27.  
Aquaculture Data Base No.: 1392

2916 1972  
NORWEGIAN REARING OF PONDFISH. TYPES  
OF INSTALLATIONS, COSTS AND  
PROFITABILITY. AN ECONOMIC ANALYSIS.  
GERHARDSSEN, G.M.  
FISHERIES RESEARCH BOARD OF CANADA  
TRANSL. SER. NO. 2309. 77. (TRANSL. FROM  
NORWEGIAN).  
Aquaculture Data Base No.: 1344

2917 1972  
ON THE CULTURE OF IMPORTED EUROPEAN  
GLASS-EELS.  
HASEGAWA, H.  
BULLETIN OF SHIZUOKA PREFECTURAL  
FISHERIES EXPERIMENT STATION 5, 57-64.  
Aquaculture Data Base No.: 3564

2918 1972  
POLYCULTURE STUDIES WITH BLUE, WHITE  
AND CHANNEL CATFISH IN BRACKISH WATER  
PONDS.  
AVAVULT, J.W., JR.  
PROCEEDINGS SOUTHEASTERN ASSOCIATION  
OF GAME AND FISH COMMISSIONERS 25,  
466-479.  
Aquaculture Data Base No.: 1062

2919 1972  
POND CULTURE ON GRAND TERRE ISLAND,  
LOUISIANA, 1969-1971.  
NEAL, D.A.; LATAPIE, W.R. JR.  
PROCEEDINGS OF THE THIRD ANNUAL  
WORKSHOP WORLD MARICULTURE SOCIETY.  
ST. PETERSBURG, FLORIDA. 227-240.  
Aquaculture Data Base No.: 867

2920 1972  
Problems of feeding and breeding freshwater fishes in  
intensive fisheries. *Probleme der Ernährung und Haltung  
von Susswasserfischen im Intensivbetrieb. GER.*  
Munchen, R. Oldenbourg. 1972. 174 p. illus.  
NAL Call No.: SH79.P7  
(Munchner Beitrage zur Abwasser-, Fischerei- und  
Flussbiologie, v. 23)  
(Includes bibliographies.)

2921 1972  
Proceedings.; Edited by: Joe G. Dillard.  
Dillard, Joe G.; .  
[Columbia, Extension Division, University of Missouri,  
Columbia. 1972]. 58 p. 29 cm.  
NAL Call No.: SH167.C35M48 1970  
("MP 296." Sponsored by the Missouri Fish Farmers  
Association, and others. Includes bibliographies.)

2922 1972

Rainbows--a new prairie crop. [Fish farming].  
Harvey, D.  
*Can Geogr J.* 85 (6): 192-199. Dec 1972. .)  
NAL Call No.: 470 C162

2923 1972  
RAISING YOUNG YELLOWTAIL IN JAPAN.  
YAMAMOTO, T.  
ECONOMIC ASPECTS OF FISH PRODUCTION,  
INTERNATIONAL SYMPOSIUM ON FISHERY  
ECONOMICS, PARIS, NOV. 29 TO DEC. 2, 1971,  
O.E.C.D., PP. 249-362.  
Aquaculture Data Base No.: 5160

2924 1972  
RATE OF POND FISH CULTURE DEVELOPMENT  
ATTACKED.  
LIPATOV, D.  
NMFS TRANSL. ON USSR RESOURCES NO. 244,  
33-35. (TRANSL. FROM RUSSIAN).  
Aquaculture Data Base No.: 1346

2925 1972  
RECENT DEVELOPMENTS IN SALMONID  
AQUACULTURE.  
DONALDSON, L.R.  
NATIONAL SEA GRANT CONFERENCE  
PROCEEDINGS 4, 99-102.  
Aquaculture Data Base No.: 1454

2926 1972  
A REVIEW OF RECENT DEVELOPMENTS IN  
TALAPIA CULTURE WITH SPECIAL REFERENCE  
TO FISH FARMING IN THE HEATED  
EFFLUENTS OF POWER STATIONS.  
KIRK, R.G.  
AQUACULTURE 1(1), 45-60.  
Aquaculture Data Base No.: 5

2927 1972  
ROTATABLE CAGE FOR HIGH-DENSITY  
AQUACULTURE.  
CAILLOUET, C.W.  
THE PROGRESSIVE FISH-CULTURIST 34 (1), 8.  
Aquaculture Data Base No.: 347

2928 1972  
SALMON FARMING IN JAPAN.  
NETBOY, A.  
SEA FRONTIERS SUPPLEMENT 17, 306-311.  
Aquaculture Data Base No.: 1608

2929 1972  
SALMONID HATCHERY WATER REUSE  
SYSTEMS.  
LIAO., P.B.; MAYO, R.D.  
AQUACULTURE 1 (3), 317-335.  
Aquaculture Data Base No.: 27

2930 1972  
SALT WATER POND RESEARCH, MARINE  
FISHERIES RESEARCH STATION.  
ELAM, L.  
COASTAL FISHERIES PROJECT REPORTS 1971. P.  
1-63. TEXAS PARKS AND WILDLIFE  
DEPARTMENT, AUSTIN, TEXAS.  
Aquaculture Data Base No.: 1200

2931 1972

Selected terms in fish culture.; Choix de termes de  
pisciculture. Terminos de piscicultura.  
[Rome] Food and Agriculture Organization of the United  
Nations., 1972. v, 106 p. 28 cm.  
NAL Call No.: S411.F6 No.19  
(Food and Agriculture Organization of the United  
Nations. Terminology and Reference Section.  
Terminology bulletin, no. 19)  
("GIP: TB/19." English, French, and Spanish.  
Bibliography: p. 105-106.)

2932 1972  
Shellfish culture from several varieties. Kultur dari  
beberapa djenis shellfish sebagai : bahan makanan dan  
kemungkinan kemungkinannya. INDONESIAN.  
Ismail, Wardana.  
Djakarta: Lembaga Penelitian Perikanan Laut; 1972. 43  
leaves: ill.; 28 cm.  
NAL Call No.: SH367.I45I8  
Bahan pendidikan: no. Pd 016/72.  
(Bibliography: leaf 43.)

2933 1972  
SHRIMP CULTURE RESEARCH.  
MCILHENNY, W.F.  
TEXAS A AND M UNIVERSITY. SEA GRANT  
PROGRAM ANNUAL REPORT 1970-71.  
TAMU-SG-72-104. P. 24-29. CENTER FOR MARINE  
RESOURCES.  
Aquaculture Data Base No.: 1559

2934 1972  
SHRIMP CULTURE STUDIES IN HONDURAS  
1969-1971.  
BROOM, J.G.  
PROCEEDINGS OF THE THIRD ANNUAL  
WORKSHOP WORLD MARICULTURE SOCIETY.  
ST. PETERSBURG, FLORIDA. 193-204.  
Aquaculture Data Base No.: 865

2935 1972  
STRIPED BASS, MORONE SAXATILIS,  
PRODUCTION TO ESTABLISH COMMERCIAL  
STOCKS IN ALABAMA ESTUARIES.  
POWELL, M.R.  
ANNUAL PROGRESS REPORT ON PROJECT  
AFC-3-2. ALABAMA MARINE RESOURCES  
LABORATORY. 25P.  
Aquaculture Data Base No.: 1204

2936 1972  
Sturgeon breeding. Osetrovodstvo. RUS.  
Mil'shtein, Vladimir Vol'fovich.  
Moskva, "Pishchevaia promyshlennost'". 1972. 127, [1] p.  
illus.  
NAL Call No.: SH167.S7 M49  
(Dlia kadrov massovykh professii)  
(Bibliography: p. 127-[128])

2937 1972  
THE TECHNOLOGY OF MASS ALGAL CULTURE  
FROM WASTES.  
MCGARRY, M.G.  
SEAWEED SYMPOSIUM, PROC. 7., P. 401-404.  
HALSTED PRESS, NEW YORK.  
Aquaculture Data Base No.: 1359

2938 1972  
THERMAL AQUACULTURE - ENGINEERING AND  
ECONOMICS.  
YEE, W.C.



ENVIRONMENTAL SCIENCE AND TECHNOLOGY  
6 (3), 232-237.  
Aquaculture Data Base No.: 251

2939 1972  
THE USE OF POWER PLANT WASTE HEAT IN  
MARINE AQUACULTURE.  
HUGUENIN, J.E.; RYTHER, J.H.  
MARINE TECHNOLOGY SOCIETY,  
PROCEEDINGS, 10TH ANNUAL CONFERENCE,  
431-445.  
Aquaculture Data Base No.: 2219

2940 1972  
VERTEBRATE AQUACULTURE RESEARCH  
UNDER THE SEA GRANT PROGRAM AT  
SKIDAWAY INSTITUTE OF OCEANOGRAPHY  
DURING 1971.  
STICKNEY, R.R.; WHITE, D.B.  
TECHNICAL REPORT SERIES NO. 72-1. GEORGIA  
MARINE SCIENCE CENTER, SKIDAWAY  
ISLAND, GEORGIA. 22P.  
Aquaculture Data Base No.: 952

1971

2941 1971  
The ABC of fish farming. Halgazdasagi ABC. HUN.  
Antalfi, Antal; Tolg, Istvan.  
Budapest, Mezogazdasagi Kiado. 1971. 217 p. illus.  
NAL Call No.: SH151.A5

2942 1971  
ADVANCES IN PACIFIC SHRIMP CULTURE.  
SCHAFER, H.J.  
UNIVERSITY OF MIAMI. GULF AND  
CARIBBEAN FISHERIES INSTITUTE  
PROCEEDINGS 23, 133-138.  
Aquaculture Data Base No.: 1128

2943 1971  
AQUACULTURE POTENTIAL OF HYBRID  
SUNFISH.  
LEWIS, W.M.; HEIDINGER, R.  
AMER. FISH FARMER WORLD AQUACULT.  
NEWS 2 (5), 14-16.  
Aquaculture Data Base No.: 5150

2944 1971  
BIOLOGICAL EVALUATION OF FLOATING  
OYSTER CULTURE (SECTION B), AND  
ECONOMIC EVALUATION OF THE FLOATING  
OYSTER CULTURE (SECTION C) OF FINAL  
REPORT OF INVESTIGATIONS FOR THE LUMMI  
AQUACULTURE PROJECT.  
TARR, M.A.; CARR, M.I.; WESTLEY, R.E.  
WASH. STATE DEP. FISH., MANAGE. RES. DIV.,  
20 PP.  
Aquaculture Data Base No.: 5119

2945 1971  
Catfish farming handbook.  
Mack, Jerry.  
San Angelo, Tex., Educator Books. 1971. 195 p. illus.  
NAL Call No.: SH167.C35M3

2946 1971  
CATFISH FARMING... A REFERENCE UNIT.  
LEE, J.S.

MISSISSIPPI STATE UNIVERSITY. CURRICULUM  
COORDINATING UNIT FOR  
VOCATIONAL-TECHNICAL EDUCATION. 103P.  
Aquaculture Data Base No.: 1580

2947 1971  
CATTLE PRECONDITIONING, CATFISH  
COMPLEMENT TEXAS FIRM'S GRASS  
OPERATION.  
BOYKIN, J.E.  
FEEDSTUFFS 43 (20), 17-18.  
Aquaculture Data Base No.: 469

2948 1971  
Commercial fish farming in the southeastern United  
States.  
Shewfelt, A L.  
*Can Inst Food Technol J.* 4 (4): A72-A73. Oct 1971. .)  
NAL Call No.: TP368.C3

2949 1971  
Complex farming operations of beef cattle rearing and  
carp culture in paddy fields. JAP.  
Yamanaka, N.  
*Chikusan Kenkyu.* 25 (9): 1163-1168. Sept 1971. .)  
NAL Call No.: 49 C43

2950 1971  
Culture of carp in Central Asia and Kazakhstan.  
Karpovodstvo v Srednei Azii i Kazakhstane. RUS.  
Sultammuratov, M S.  
Tashkent, "Fan" Uzbekskoi SSR. 1971. 140, [1] p. illus.  
NAL Call No.: SH351.C3S9  
(Bibliography: p. 136-[141])

2951 1971  
Culture of carp in rice paddies of the Western Fergana  
Region and effect of the fish on yields of rice. RUS.  
Tashpulatov, E A.  
*Uz Biol Zhur.* 6: 62-63. 1971. .)  
NAL Call No.: 442.8 UZ1

2952 1971  
DEVELOPMENT OF SHELLFISH CULTURE  
TECHNIQUES.  
LOOSANOFF, V.L.  
ARTIFICIAL PROPAGATION OF  
COMMERCIALLY VALUABLE SHELLFISH. P. 9-40.  
UNIVERSITY OF DELAWARE, NEWARK.  
Aquaculture Data Base No.: 837

2953 1971  
DEVELOPMENT OF THE CAGE CULTURE  
METHOD OF FISH PRODUCTION FOR  
COMMERCIAL USE IN LARGE RESERVOIR  
LAKES.  
COLLINS, R.A.  
ARKANSAS GAME AND FISH COMMISSION.  
NOAA-72011320. NATIONAL TECHNICAL  
INFORMATION SERVICE. 14P.  
Aquaculture Data Base No.: 395

2954 1971  
EFFICIENCY OF FISH FARMS IN  
REGENERATING THE SEMI-ANADROMOUS FISH  
STOCKS OF THE CASPIAN SEA AND THE SEA  
OF AZOV.  
KOSYREVA, R.Y.; SVETLOV, M.F.

FISHERIES RESEARCH BOARD OF CANADA  
 TRANSL. SER. NO. 2583. 21P. (TRANSL. FROM  
 RUSSIAN).

Aquaculture Data Base No.: 1339

2955 1971  
 AN EXPERIMENT ON THE CULTURE OF  
 TILAPIA ESCULENTA (GRAHM) AND TILAPIA  
 ZILLII (GERVAIS) (CICHLIDAE) IN FISH PONDS.  
 PAYNE, A.I.  
 JOURNAL OF FISH BIOLOGY 3, 325-340.  
 Aquaculture Data Base No.: 963

2956 1971  
 EXPERIMENTS IN THE CULTURE OF MARINE  
 SPECIES IN FLOATING BASKETS.  
 SWINGLE, W.E.  
 ANNUAL PROGRESS REPORT ON PROJECT  
 2-86-R-2. ALABAMA MARINE RESOURCES  
 LABORATORY. 26P.  
 Aquaculture Data Base No.: 1206

2957 1971  
 Fish farming and fish consumption in a rural Tanzanian  
 community.  
 Hautvast, J G A J.  
 Voeding. 32 (2): 123-127. Feb 15, 1971. .)  
 NAL Call No.: 389.8 V85

2958 1971  
 Fish management in New York farm ponds.  
 Eipper, A W; Regier, H A.  
 Cornell Univ Ext Cornell Ext Bull. 1089, rev., 38 p.  
 Jan 1971. .)  
 NAL Call No.: 275.29 N48E

2959 1971  
 FISH PRODUCTION IN ARKANSAS DURING 1969  
 AS COMPARED TO OTHER STATES.  
 MEYER, F.P.; GODWIN, D.S.; BOYD, R.; MARTIN,  
 J.M.; GRAY, D.L.; MATHIS, W.P.  
 PROCEEDINGS SOUTHEASTERN ASSOCIATION  
 OF GAME AND FISH COMMISSIONERS 24,  
 497-506.  
 Aquaculture Data Base No.: 1041

2960 1971  
 FOUR THOUSAND YEARS OF FISH FARMING.  
 NELSON, P.R.  
 NOAA 1 (4), 22-23.  
 Aquaculture Data Base No.: 2249

2961 1971  
 FRESHWATER PRAWN CULTURE TECHNIQUES  
 DEVELOPED.  
 COSTELLO, T.J.  
 THE AMERICAN FISH FARMER AND WORLD  
 AQUACULTURE NEWS 2 (2), 8-10,27.  
 Aquaculture Data Base No.: 1424

2962 1971  
 GEORGIA CATFISH PRODUCTION STUDY  
 EVALUATES TECHNIQUE.  
 BROWN, R.H.

FEEDSTUFFS 43(43), 57.  
 Aquaculture Data Base No.: 5024

2963 1971  
 HISTORICAL DEVELOPMENT OF CATFISH  
 FARMING.  
 MADEWELL, C.E.  
 CONFERENCE PROCEEDINGS 1971 PRODUCING  
 AND MARKETING CATFISH IN THE TENNESSEE  
 VALLEY, 7-14.  
 Aquaculture Data Base No.: 4789

2964 1971  
 The inland fisheries progress in Thailand, 1970.  
 Swingle, Homer Scott.; Allison, Ray.  
 Auburn, Ala: International Center for Aquaculture,  
 Auburn University; 1971. 106 p.: ill., map; 28 cm.  
 NAL Call No.: SH307.T5S89  
 "Project: AID/csd-2270; USOM/Thailand PIOT  
 493-180-3-80413; title: Increasing fish production by  
 improved fishcultures."  
 (Includes bibliographical references.)

2965 1971  
 LESSONS FROM JAPAN IN FISH FARMING.  
 WILLIAMSON, G.R.  
 FISHING NEWS INTERNATIONAL 10 (5), 30-32,35  
 AND 10 (6), 32-33.  
 Aquaculture Data Base No.: 225

2966 1971  
 Management of lakes and ponds; 2d ed.  
 Bennett, George W.  
 New York, Van Nostrand Reinhold. [c1971]. 375 p. illus.  
 NAL Call No.: SH159.B4 1971  
 (Includes bibliographies)

2967 1971  
 THE OYSTER PRODUCING POTENTIAL OF  
 PUGET SOUND.  
 WESTLEY, R.E.  
 NATIONAL SHELLFISHERIES ASSOCIATION 1970  
 PROCEEDINGS 61, 20-23.  
 Aquaculture Data Base No.: 2195

2968 1971  
 PACIFIC SALMON AQUACULTURE PROGRAM.  
 INCUBATION AND CULTIVATION PHASES.  
 LINDBERGH, J.M.  
 DOMSEA FARMS, INC., RESTON, VA. SEA  
 GRANT FINAL REPORT. 52P.  
 Aquaculture Data Base No.: 1164

2969 1971  
 PISCULTURAL RESEARCH WILL HELP EXPAND  
 FISHING INDUSTRY.  
 MAI-DINH-YEN  
 NMFS TRANSL. ON NORTH VIETNAM NO. 995,  
 15-17. (TRANSL. FROM VIETNAMESE).  
 Aquaculture Data Base No.: 1348

2970 1971  
 POLICY.  
 MARTIN, R.G.



PROCEEDINGS OF NORTH CENTRAL  
WARMWATER FISH CULTURE-MANAGEMENT  
WORKSHOP. IOWA COOPERATIVE FISHERY  
UNIT, AMES, IOWA. 26P.  
Aquaculture Data Base No.: 3722

1971 1971  
PRESENT STATUS AND PROSPECTS OF FISH  
CULTURE IN YUGOSLAVIA.

FIJAN, N.  
PROCEEDINGS, SYMPOSIUM ON NEW WAYS OF  
FRESHWATER FISHERY INTENSIFICATION,  
CESKE BUDEJOVICE, SEPTEMBER 22-24, 1971.  
VODNANY, CZECH., FISH. RES. INST., PP. 17-21.  
Aquaculture Data Base No.: 5204

1972 1971

Proceedings of the 1971 Fish Farming Conference and  
First Annual Convention Catfish Farmers of Texas ;;  
Memorial Student Center, Texas A & M University,  
College Station, Texas, January 7-8, 1971.  
College Station : Texas A & M University,. 1971. 88 p. :  
ill.

NAL Call No.: SH167.C35F5 1971  
(Includes bibliographies.)

1973 1971

PROGRESS REPORT ON CAGED CATFISH.

ALLEN, K.O.  
FISH FARMING IND. 2(1), 28-31.  
Aquaculture Data Base No.: 5003

1974 1971

PROSPECTS FOR SEA FARMING IN PACIFIC  
NORTHWEST.

JOYNER, T.; SAFSTEN, C.G.  
COMMERCIAL FISHERIES REVIEW 33 (9), 22-26.  
Aquaculture Data Base No.: 4776

1975 1971

REARING THE BAY SCALLOP, AQUPECTEN  
IRRADIANS.

CASTAGNA, M.; DUGGAN, W.  
PROCEEDINGS OF THE NATIONAL  
SHELLFISHERIES ASSOCIATION 61, 80-85.  
Aquaculture Data Base No.: 201

1976 1971

RECENT ADVANCES IN CLAM AQUACULTURE.

PORTER, H.J.  
THE AMERICAN MALACOLOGICAL UNION,  
INC., BULLETIN FOR 1971, 37, 16-17.  
Aquaculture Data Base No.: 420

1977 1971

Report; Edited by Jean-Louis Gaudet. Compiled by  
EIFAC.

Gaudet, Jean-Louis.  
Washington, D.C., Bureau of Sport Fisheries and  
Wildlife. 1971. 207 p. illus.

NAL Call No.: SH156.W6 1970

(United States. Fish and Wildlife Service. \$Resource  
publication no. 102)

(Organized by FAO/EIFAC in collaboration with the  
Bureau of Sport Fisheries and Wildlife at the  
Warmwater Fish Cultural Labs., Stuttgart, Ark., 7-19  
Sept. 1970. Title and contents in French. Includes  
bibliographic references)

1978 1971

RESEARCH PRIORITIES FOR MOLLUSCAN  
MARICULTURE.

LANDERS, W.S.  
PROCEEDINGS OF THE SECOND ANNUAL  
WORKSHOP WORLD MARICULTURE SOCIETY.  
GALVESTON, TEXAS. 125-126.  
Aquaculture Data Base No.: 2129

1979 1971

Salmon and trout; A resource, its ecology, conservation  
and management.

Mills, Derek Henry.  
Edinburgh, Oliver and Boyd. [1971]. 351 p. illus., maps,  
plates (part col.).

NAL Call No.: QL638.S2M5

(Bibliography: p. [312]-337)

1980 1971

SALMONID REARING IN HEATED PONDS.

WALLIS, J.  
ALASKA DEPARTMENT OF FISH AND GAME.  
FEDERAL AID IN FISH RESTORATION, ANNUAL  
REPORT OF PROGRESS, 1969-1970, PROJECT F-9-2,  
11, 153-163.

Aquaculture Data Base No.: 1701

1981 1971

SASKATCHEWAN FISH FARMING REVIEW.

NAFTEL, P.C.  
SASKATCHEWAN DEPARTMENT OF NATURAL  
RESOURCES. 7P.

Aquaculture Data Base No.: 2725

1982 1971

SMOLT REARING, TAGGING AND RECAPTURE  
TECHNIQUES IN A NATURAL RIVER SYSTEM.

PIGGINS, D.J.  
INTERNATIONAL ATLANTIC SALMON  
FOUNDATION. SPEC. PUB. SER. 2 (1), 63-82.

Aquaculture Data Base No.: 2300

1983 1971

Status of trout culture in Peru.

Shell, E W.  
Auburn, Ala.. 1971. 49 p. illus.

NAL Call No.: SH167.T86S5

(Project A.I.D./csd-2270)

1984 1971

A TECHNOLOGY ASSESSMENT  
METHODOLOGY. MARICULTURE (SEA  
FARMING).

LANDIS, R.C.  
THE MITRE CORPORATION. MTR 6009. VOLUME  
5. NATIONAL TECHNICAL INFORMATION  
SERVICE. 180P.

Aquaculture Data Base No.: 942

1985 1971

THERMAL AQUACULTURE DESIGN.

YEE, W.C.  
PROCEEDINGS OF THE SECOND ANNUAL  
WORKSHOP WORLD MARICULTURE SOCIETY.  
GALVESTON, TEXAS. 55-60.

Aquaculture Data Base No.: 1660

1986 1971

Warm-water fishponds.

Dillon, Olan W.

[Washington, U.S. Govt. Print. Off.. 1971]. 14 p. illus.  
 NAL Call No.: 1 Ag84F No.2250  
 (U.S. Dept. of agriculture. Farmers' bulletin no. 2250)  
 (Issued Dec. 1971)

1970

2987 1970  
**BEHAVIOR OF NORTHERN PIKE FRY AS RELATED TO POND CULTURE.**  
 HOWARD, H.C.; THOMAS, R.E.  
 THE PROGRESSIVE FISH-CULTURIST 32 (4), 224-226.  
 Aquaculture Data Base No.: 109

2988 1970  
**CAGE CULTURE OF THE CICHLID FISH TILAPIA AUREA (STEINDACHNER).**  
 PAGAN-FONT, F.A.  
 AUBURN UNIVERSITY, AUBURN, ALABAMA. 109P.  
 Aquaculture Data Base No.: 1617

2989 1970  
**CARP CULTURE IN JAPAN - A GENERAL STUDY OF THE EXISTING PRACTICES.**  
 NAMBIAR, K.P.P.  
 INDO-PACIFIC FISHERIES COUNCIL  
 OCCASIONAL PAPER 1970/1. 45P.  
 Aquaculture Data Base No.: 3089

2990 1970  
**CHANNEL CATFISH FARMING IN LOUISIANA.**  
 DAVIS, J.T.; HUGHES, J.S.  
 BATON ROUGE, LA. WILD LIFE FISH. COMM., WILDL. EDUC. BULL. 98, 48 PP.  
 Aquaculture Data Base No.: 5026

2991 1970  
**THE CULTURE OF CHANNEL CATFISH, ICTALURUS PUNCTATUS (RAFINESQUE), IN CAGES SUSPENDED IN PONDS.**  
 SCHMITTOU, H.R.  
 PROCEEDINGS SOUTHEASTERN ASSOCIATION OF GAME AND FISH COMMISSIONERS 23, 226-244.  
 Aquaculture Data Base No.: 1072

2992 1970  
**CULTURE OF LAKE HERRING IN THE LABORATORY.**  
 HALE, J.G.  
 THE PROGRESSIVE FISH-CULTURIST 32 (4), 217-221.  
 Aquaculture Data Base No.: 106

2993 1970  
**CULTURE OF THE CRAWFISH, LOUISIANA'S CRUSTACEAN KING.**  
 AVAULT, J.W., JR.; DE LA BRETONNE, L.W.; JASPERS, E.J.  
 AMER. FISH FARMER WORLD AQUACULT. NEWS 1(10), 8-14, 27.  
 Aquaculture Data Base No.: 5126

2994 1970  
**DEEP OCEAN WATER AS A RESOURCE FOR COMBINED MARICULTURE, POWER AND FRESH WATER PRODUCTION.**

GERARD, R.G.; ROELS, O.A.  
 MARINE TECHNOLOGY SOCIETY JOURNAL 4 (5), 69-78.  
 Aquaculture Data Base No.: 224

2995 1970  
**Development and practice of raising drakes on fish ponds in Hungary. Razvoj i iskustva gajenja pataka na ribnjacima u Madarskoj. CRO.**  
 Szalay, M.  
 Peradarstvo. 5 (10): 19-13. 1970. .)  
 NAL Call No.: SF481.P4

2996 1970  
**THE DEVELOPMENT OF A MARICULTURAL TECHNOLOGY FOR THE PENAEID SHRIMPS OF THE GULF AND CARIBBEAN REGION.**  
 WEBBER, H.H.  
 HELGOLANDER WISS MEERESUNTERS 20, 455-463.  
 Aquaculture Data Base No.: 535

2997 1970  
**DYNAMICS OF ONE-SPECIES POPULATIONS OF FISHES IN PONDS SUBJECTED TO CROPPING AND ADDITIONAL STOCKING.**  
 BUCK, D.H.; THOITS, C.F.  
 ILLINOIS NATURAL HISTORY SURVEY BULLETIN 30 (2), 69-165.  
 Aquaculture Data Base No.: 3521

2998 1970  
**ESTUARINE FISH FARMING.**  
 HICKLING, C.F.  
 ADVANCES IN MARINE BIOLOGY 8, 119-213.  
 Aquaculture Data Base No.: 541

2999 1970  
**AN EXPERIMENT IN THE WINTERTIME CULTURE OF TROUT IN CAGES FLOATED IN A SOUTHERN ILLINOIS POND.**  
 BUCK, D.H.; BAUR, R.J.; ROSE, C.R.  
 ILLINOIS NATURAL HISTORY SURVEY. 6P.  
 Aquaculture Data Base No.: 1202

3000 1970  
**EXPERIMENTS IN COASTAL AQUACULTURE IN SINGAPORE.**  
 KOW, T.A.; LING, Y.S.; HIN, T.W.  
 COASTAL AQUACULTURE IN THE INDO-PACIFIC REGION. P. 375-383. FISHING NEWS (BOOKS) LTD., LONDON.  
 Aquaculture Data Base No.: 787

3001 1970  
**Fish and invertebrate culture; Water management in closed systems [by] Stephen H. Spotte.**  
 Spotte, Stephen H.  
 New York, Wiley-Interscience. [1970]. xiv, 145 p. illus.  
 NAL Call No.: SF457.5.S66  
 (Bibliography: p. 123-131.)

3002 1970  
**Fish breeding in reservoirs. Sadkovoje rybovodnoje khoziaistvo na vodokhranilishchakh. RUS.**  
 Mikheev, Petr Vasil'evich; Meisner, Elena Valerianovna; Mikheev, Vladimir Petrovich.



Moskva, "Pishchevaia Promyshlennost'". 1970. 158 p. illus.  
 NAL Call No.: SH91.M4  
 (Bibliography: p. 155-[157])

3003 1970

FISH CULTURE SURVEY REPORT FOR PERU.  
 SMITHERMAN, R. O.; MOSS, D. D.  
 AUBURN UNIVERSITY. INTERNATIONAL  
 CENTER FOR AQUACULTURE, 1-41.  
 Aquaculture Data Base No.: 4304

3004 1970

FISH FARM ENCLOSURES 6 - IMPERMEABLE  
 BARRIER CONSTRUCTION.  
 MILNE, P.H.  
 WORLD FISHING 19 (5), 28-29.  
 Aquaculture Data Base No.: 3689

3005 1970

Fish farming: a guide to the design and construction of  
 net enclosures.  
 Milne, P H.  
 Edinburgh, H. M. Stationery Off.. 1970. 31 p. illus.  
 NAL Call No.: SH259.A3 1970 No.1  
 (Scotland. Dept. of Agriculture and Fisheries. Marine  
 research, 1970 no. 1)  
 (Bibliography: p. 30-31)

3006 1970

FISHCULTURE SURVEY REPORT FOR  
 COLUMBIA. INCREASING FISH PRODUCTION  
 BY IMPROVED FISHCULTURES.  
 SWINGLE, H.S.; PAGAN-FONT, F.A.  
 ALABAMA AGRICULTURAL EXPERIMENT  
 STATION, AUBURN, ALABAMA. NATIONAL  
 TECHNICAL INFORMATION SERVICE. 63P.  
 Aquaculture Data Base No.: 393

3007 1970

FISHERY MANAGEMENT IN SPANISH GALACIA.  
 GOTTSCHALK, J.S.  
 THE PROGRESSIVE FISH-CULTURIST 32 (3),  
 123-129.  
 Aquaculture Data Base No.: 77

3008 1970

HISTORY OF WARMWATER POND CULTURE IN  
 THE UNITED STATES.  
 SWINGLE, H.S.  
 A CENTURY OF FISHERIES IN NORTH  
 AMERICA. P. 95-105. AMERICAN FISHERIES  
 SOCIETY SPECIAL PUBLICATION NO. 7.  
 Aquaculture Data Base No.: 889

3009 1970

INITIAL RESULTS OF SILVER CARP  
 (HYPOPHthalmichthys molitrix)  
 BREEDING IN ISRAELI FISH PONDS IN 1969.  
 SARIG, S.  
 BAMIDGEH 22 (4), 95-100.  
 Aquaculture Data Base No.: 290

3010 1970

The Inland fisheries program of Thailand.  
 Swingle, Homer Scott.

(s.l: s.n.); 1970. 156 p.: ill.; 28 cm.

NAL Call No.: SH117.T5155

"Project AID/csd-2270, USOM/Thailand PIOT  
 493-180-3-80413."

(Bibliography: p. 149.)

3011 1970

AN INVESTIGATION OF THE POSSIBILITY OF  
 SEED OYSTER PRODUCTION IN GREAT BAY,  
 NEW HAMPSHIRE.  
 AYER, W.C.; SMITH, B.; ACHESON, R.D.  
 NEW HAMPSHIRE FISH AND GAME  
 DEPARTMENT, MARINE SURVEY REPORT NO. 2.  
 106P.  
 Aquaculture Data Base No.: 914

3012 1970

MARINE AND ESTUARINE CULTURE IN MAINE.  
 DOW, R.L.  
 MAINE DEPARTMENT OF SEA AND SHORE  
 FISHERIES CIRCULAR 24. 5P.  
 Aquaculture Data Base No.: 2072

3013 1970

Marine aquiculture; Selected papers.  
 McNeil, William J.  
 Corvallis, Oregon State University Press. [c1970]. 172 p.  
 illus.  
 NAL Call No.: SH1.C7 1968  
 (Includes bibliographies)

3014 1970

MARINE FARMING.  
 PINCHOT, G.B.  
 SCIENTIFIC AMERICAN 223 (6), 15-21.  
 Aquaculture Data Base No.: 1286

3015 1970

MILKFISH PRODUCTION IN A NEWLY  
 RECLAIMED TIDAL LAND IN TAIWAN.  
 LIANG, J.K.; HUANG, C.Y.  
 COASTAL AQUACULTURE IN THE  
 INDO-PACIFIC REGION. P. 417-428. FISHING  
 NEWS (BOOKS) LTD., LONDON.  
 Aquaculture Data Base No.: 791

3016 1970

OBSERVATIONS IN A PILOT FISH FARM IN  
 LOWER SUNDERBANS.  
 JHINGRAN, V.G.; PAKRASI, B.B.; BANERJEE,  
 R.K.; MOITRA, A.  
 COASTAL AQUACULTURE IN THE  
 INDO-PACIFIC REGION. P. 472-485. FISHING  
 NEWS (BOOKS) LTD., LONDON.  
 Aquaculture Data Base No.: 795

3017 1970

OBSERVATIONS ON THE CULTURE OF THE  
 MUD CRAB, SCYLLA SERRATA.  
 ESCRITOR, G.L.  
 COASTAL AQUACULTURE IN THE  
 INDO-PACIFIC REGION. P. 355-361. FISHING  
 NEWS (BOOKS) LTD., LONDON.  
 Aquaculture Data Base No.: 784

3018 1970

THE POTENTIAL FOR BRACKISH WATER  
 CULTURE ALONG THE GULF OF THAILAND.  
 SPRAGUE, L.M.

FOOD - DRUGS FROM THE SEA PROCEEDINGS  
1969. P. 93-101. MARINE TECHNOLOGY SOCIETY.  
Aquaculture Data Base No.: 1051

3019 1970  
POTENTIAL OF AQUACULTURE AT NUCLEAR  
ENERGY CENTERS--A SYSTEMS STUDY.  
YEE, W.C.  
PROCEEDINGS, NATL. SHELLFISH ASS. 63  
(JUNE), REPRINT, UNIV. DEL., COLL. MAR. S.  
Aquaculture Data Base No.: 5144

3020 1970  
THE POTENTIAL OF LOBSTER CULTURE.  
KENSLE, C.B.  
AMER. FISH FARMER WORLD AQUACULT.  
NEWS (11), 8-12, 27.  
Aquaculture Data Base No.: 5136

3021 1970  
PRELIMINARY EXPERIMENT ON THE CULTURE  
OF RED SWAMP CRAWFISH, PROCAMBARUS  
CLARKI, IN BRACKISH WATER PONDS.  
PERRY, W.G., JR.; LACAZE, C.G.  
PROCEEDINGS SOUTHEASTERN ASSOCIATION  
OF GAME AND FISH COMMISSIONERS 23,  
293-302.  
Aquaculture Data Base No.: 1075

3022 1970  
PRELIMINARY EXPERIMENTS IN POND  
REARING AND SOME BIOLOGICAL STUDIES OF  
SCYLLA SERRATA (FORSKAL).  
VANICH-VARIKUL; SAMAN-PHUMIPHOL;  
MANOTE-HONGPROMYART  
COASTAL AQUACULTURE IN THE  
INDO-PACIFIC REGION. P. 366-374. FISHING  
NEWS (BOOKS) LTD., LONDON.  
Aquaculture Data Base No.: 786

3023 1970  
PROBLEMS OF PRAWN CULTURE IN JAPAN.  
SHIGUENO, K.  
COASTAL AQUACULTURE IN THE  
INDO-PACIFIC REGION. P. 282-312. FISHING  
NEWS (BOOKS) LTD., LONDON.  
Aquaculture Data Base No.: 781

3024 1970  
Rainbow trout farming in Scotland, a "growth" industry.  
[Fish culture].  
Sedgwick, S D.  
Scot Agr. 49 (3): 127-130. Summer 1970. )  
NAL Call No.: 10 SCO82SO

3025 1970  
Rainbow trout farming in Scotland, farming trout in salt  
water. [Fish culture].  
Sedgwick, S D.  
Scot Agr. 49 (4): 180-185. Autumn 1970. )  
NAL Call No.: 10 SCO82SO

3026 1970  
RAISING CATFISH IN BRACKISH WATER.  
PERRY, W.G., JR.

COASTAL LAND RESOURCES CONFERENCE  
PROCEEDINGS. TAMU-SG-71-101. 82-103.  
Aquaculture Data Base No.: 976

3027 1970  
THE RECTANGULAR CIRCULATING REARING  
POND.  
BURROWS, R.E.; CHENOWETH, H.H.  
THE PROGRESSIVE FISH-CULTURIST 32 (2), 67-80.  
Aquaculture Data Base No.: 61

3028 1970  
ROLE OF CHILKA LAKE FISHERIES IN THE  
DEVELOPMENT OF COASTAL AQUACULTURE  
IN EASTERN INDIA.  
JHINGRAN, V.G.; NATARA, A.V.  
COASTAL AQUACULTURE IN THE  
INDO-PACIFIC REGION. P. 109-115. FISHING  
NEWS (BOOKS) LTD., LONDON.  
Aquaculture Data Base No.: 769

3029 1970  
THE ROLE OF THE SOIL CONSERVATION  
SERVICE IN THE CATFISH INDUSTRY IN  
MISSISSIPPI.  
SULLIVAN, E.G.  
CATFISH FARMER 2(3), 25-26.  
Aquaculture Data Base No.: 5065

3030 1970  
SALMON MARICULTURE POTENTIAL  
ASSESSED.  
MAHNKEN, C.V.M.; NOVOTNY, A.J.; JOYNER, T.  
AMER. FISH FARMER WORLD AQUACULT.  
NEWS 2(1), 12-15, AND 27.  
Aquaculture Data Base No.: 5090

3031 1970  
SALMONID HATCHERY WASTEWATER  
TREATMENT.  
LIAO, P.B.  
WATER AND SEWAGE WORKS 117 (12), 439-443.  
Aquaculture Data Base No.: 1174

3032 1970  
SALT WATER POND RESEARCH 1970.  
MORE, W.R.; ELAM, L.L.  
TEXAS PARKS AND WILDLIFE DEPARTMENT,  
AUSTIN, TEXAS. PROJECT 2-78-R-2.  
Aquaculture Data Base No.: 1868

3033 1970  
SEA GRANT PROGRAM OPERATIONS 1969-70.  
PARKER, J.C.  
TEXAS A AND M UNIVERSITY. SEA GRANT  
PROGRAM. TAMU-SG-71-104. 45-48.  
Aquaculture Data Base No.: 1242

3034 1970  
Several problems on reclamation of fish rearing ponds.  
[Drainage, land utilization]. Dazi diku meliorācijas  
jautajumi. LAV.  
Barbars, J.  
Latv Sel'skokhoz Akad Tr. 31: 63-70. 1970. )  
NAL Call No.: 106 L352  
(Russian summary.)

3035 1970  
SHRIMP CULTURE.



- BROOM, J.C.  
 PROCEEDINGS OF THE FIRST ANNUAL  
 WORKSHOP WORLD MARICULTURE SOCIETY.  
 BATON ROUGE, LOUISIANA. 63-68.  
 Aquaculture Data Base No.: 369
- 3036 1970  
 SHRIMP FARMING--TEXAS STYLE.  
 PARKER, J.C.  
 COASTAL LAND RESOURCES CONFERENCE  
 PROCEEDINGS. TAMU-SG-71-101. 22-26.  
 Aquaculture Data Base No.: 975
- 3037 1970  
 STOCK MANIPULATION OF COASTAL FISH  
 FARMS.  
 TANG, Y.A.  
 COASTAL AQUACULTURE IN THE  
 INDO-PACIFIC REGION. P. 438-453. FISHING  
 NEWS (BOOKS) LTD., LONDON.  
 Aquaculture Data Base No.: 793
- 3038 1970  
 STRIPED BASS CULTURE.  
 STEVENS, R.E.  
 PROCEEDINGS OF THE FIRST ANNUAL  
 WORKSHOP WORLD MARICULTURE SOCIETY.  
 BATON ROUGE LOUISIANA. 159-162.  
 Aquaculture Data Base No.: 377
- 3039 1970  
 STRIPED BASS MORONE SAXATILIS  
 (WALBAUM) 1970 REPORT ON THE  
 DEVELOPMENT OF ESSENTIAL  
 REQUIREMENTS FOR PRODUCTION.  
 WIRTANEN, L.J.; RAY, R.H.  
 UNITED STATES FISH AND WILDLIFE SERVICE.  
 38P.  
 Aquaculture Data Base No.: 2082
- 3040 1970  
 STRIPED BASS, MORONE SAXATILIS,  
 PRODUCTION TO ESTABLISH COMMERCIAL  
 STOCKS IN ALABAMA ESTUARIES.  
 SWINGLE, W.E.  
 ANNUAL PROGRESS REPORT ON PROJECT  
 AFC-3-1. ALABAMA MARINE RESOURCES  
 LABORATORY. 16P.  
 Aquaculture Data Base No.: 1203
- 3041 1970  
 SYMPOSIUM ON COMMERCIAL MARINE  
 MOLLUSKS OF THE UNITED STATES.  
 ANDREWS, J.D.; SHUSTER, C.N., JR.; HANKS,  
 R.W.; SPARKS, A.K.; HIDU, H.; ROPES, J.W.;  
 MERRILL, A.S.; HUDSON, J.H.; JOYCE, E.A., JR.;  
 MERCER, M.C.; BOSS, K.J.; SINDERMAN, C.J.;  
 LANG, H.S.  
 THE AMERICAN MALACOLOGICAL UNION,  
 INC., ANNUAL REPORTS FOR 1970, 36, 9-40.  
 Aquaculture Data Base No.: 3693
- 3042 1970  
 Textbook of fish culture; Breeding and cultivation of  
 fish.  
 Huet, Marcel; Timmermans, Jozef A.  
 London Fishing News (books). 1970. 436 p.  
 NAL Call No.: SH21.H81  
 (English translation of his traite de pisciculture, 4th  
 French ed. 1970 (SH21.H8))
- 3043 1970  
 VARIATION IN CARP PRODUCTION IN  
 REPLICATE PONDS.  
 BUCK, D.H.; THOITS, C.F. III; ROSE, C.R.  
 TRANSACTIONS OF THE AMERICAN FISHERIES  
 SOCIETY 99 (1), 74-79.  
 Aquaculture Data Base No.: 1587
- 1969  
 3044 1969  
 Catfish farming; A new farm crop.  
 Grizzell, Roy A; Dillon, Olan W; Sullivan, Edward G.  
 [Washington, U.S. Govt. Print. Off.. 1969]. 22 p. illus.  
 NAL Call No.: 1 Ag84F No. 2244  
 (U.S. Dept. of Agriculture. Farmers' bulletin no.  
 2244)  
 (Issued Nov. 1969.)
- 3045 1969  
 Chemical and biological methods of raising the  
 bioproductivity of lakes. Khimicheskie i biologicheskie  
 metody povysheniia bioproduktivnosti ozer. RUS.  
 Baranov, Ivan Vasil'evich; Salazkin, Aleksandr  
 Aleksandrovich.  
 Moskva, Pishchevaia promyshl.. 1969. 127, [1] p. illus.  
 NAL Call No.: SH159.B3  
 (Bibliography: p. 119-[128])
- 3046 1969  
 CULTIVATION OF A HAMACHI (SERIOLA  
 QUINQUERADIATA, TEMMINCK ET SCHLEGEL).  
 (HACHI NO YOSHOKU).  
 MINAMISAWA, A.; SAKAI, H.  
 SUISAN ZOYOSHOKY SOSHO 18, 1-56. (COPY OF  
 TRANSLATION AVAILABLE ON LOAN FROM  
 NMFS.).  
 Aquaculture Data Base No.: 5152
- 3047 1969  
 FEASIBILITY STUDY OF METHODS FOR  
 IMPROVING OYSTER PRODUCTION IN  
 GEORGIA.  
 LINTON, T.L.  
 GA. GAME FISH COMM., 179 PP. (OBTAIN FROM  
 NTIS, COM-72-11239.).  
 Aquaculture Data Base No.: 5105
- 3048 1969  
 Fish culture and fish diseases. Rybovodstvo i bolezni  
 ryb. RUS.  
 Martyshev, Feodosii Georgievich.  
 Moskva, Kolos. 1969. 278 p.  
 NAL Call No.: SH91.R93  
 (Trudy VASKHNIL)
- 3049 1969  
 Fish farming and the veterinary profession.  
 Mawdesley-Thomas, L E.

*Vet Rec.* 85(6):134-138. Aug 9, 1969. )  
NAL Call No.: 41.8 V641

3050 1969  
**Fish farming, a commercial reality; A collection of papers presented at technical session no. 4, 99th annual meeting American Fisheries Society, September 12, 1969, New Orleans, Louisiana.**  
Portland, Or.. 1969. 1 v. (various pagings).  
NAL Call No.: aSH34.F5  
(Reproduced by USDA, Soil Conservation Service, Portland, Or. Includes bibliographies)

3051 1969  
**Fishculture survey report for West Central Africa.**  
Moss, D. D.; Pardue, Garland B.; Danner, M.  
(Washington): U.S. Agency for International Development; 1969. 115 p.: ill., maps; 28 cm.  
NAL Call No.: SH312.M6  
Prepared under U. S. Agency for International Development project AID/csd-1581, entitled Increasing fish production by improved fishcultures.  
(Includes bibliographical references.)

3052 1969  
**Fundamentals of fish culture. Zaklady rybarstvi; Ucebni text pro stredni rybarskou technickou skolu a rybarske uciliste. [Vyd. 1]. CZE.**  
Egert, Jan; Stedronsky, Eduard.  
Praha, Statni zemedelske nakl.. 1969. 393 p. illus.  
NAL Call No.: QL615.E3  
(Bibliography: p. 381-383.)

3053 1969  
**PRAWN CULTURE.**  
HUANG, T.  
BULLETIN OF THE FISHERIES ASSOCIATION OF TAIWAN 1 (7), 54-60.  
Aquaculture Data Base No.: 3529

3054 1969  
**Proceedings of the 1969 Fish Farming Conference ;; Memorial Student Center, Texas A & M University, College Station, Texas, October 7-8, 1969.**  
College Station, Tex. : Texas A & M University,. 1969. 86 p. : ill.  
NAL Call No.: SH167.C35F51 1969  
(Includes bibliographies.)

3055 1969  
**Production of channel catfish (*Ictalurus punctatus*) in tertiary treatment ponds; Completion report of Project no. A-017-IA.**  
Huggins, Thomas G.  
Ames, Iowa State University. 1969. [62] p. illus.  
NAL Call No.: 157.8 R29 No.1901657100  
(U.S. Clearinghouse for Federal Scientific and Technical Information. PB-190165)  
(Bibliography: p. [60-61])

3056 1969  
**Report of fishcultural investigations in East Pakistan.**  
Swingle, Homer Scott; Moss, D. D..  
Auburn, Ala. : Auburn University, Agricultural Experiment Station,. 1969. 14 leaves : ill., maps.  
NAL Call No.: SH117.P32S8 1969  
(Prepared under U.S. Agency for International Development project AID/csd-1581, entitled Increasing fish production by improved fishcultures, Date: Jan. 30, 1968, Rev. Aug. 15, 1969. Includes bibliographical references.)

3057 1969  
**Report of fishcultural investigations in Thailand.**  
Swingle, Homer Scott; Moss, D D.  
Auburn, Ala. : Auburn Univesity, Agricultural Experiment Station,. 1969. 35 p. : ill., maps. -.  
NAL Call No.: SH117.T5S8 1969

(Prepared under U.S. Agency for International Development project AID/csd-1581, entitled Increasing fish production by improved fishcultures, date: Jan. 15, 1968, rev.: Aug. 15, 1969. Includes bibliographical references.)

3058 1969  
**Report of fishcultural investigations in the Federation of Malaysia.**

Swingle, Homer Scott.; Moss, D. D..  
Auburn, Ala. : Auburn University, Agricultural Experiment Station,. 1969. 15 leaves.  
NAL Call No.: SH117.M3S95 1969

(Project; AID/csd-1581; Title: Increasing fish production by improved fishcultures.)

3059 1969  
**Report of fishcultural investigations in the Philippines.**

Swingle, Homer Scott; Moss, D D.  
Auburn, Ala. : Auburn University, Agricultural Experiment Station,. 1969. [8] 52 leaves : ill., maps.  
NAL Call No.: SH117.P6S8 1969

(Prepared under U.S. Agency for International Development project AID/csd-1581, entitled Increasing fish production by improved fishcultures, date: Oct. 10, 1967, Rev.: Aug. 15, 1969. Includes bibliographical references.)

3060 1969  
**A SYNOPSIS OF CATFISH FARMING.**  
BROWN, E.E.; LAPLANTE, M.G.; COVEY, L.H.  
UNIV. GA., COLL. AGRI. EXP. STA., RES. BULL. 69, 50 PP.  
Aquaculture Data Base No.: 5023

3061 1969  
**Texas tries shrimp farming.**  
Parker, J C.  
*Tex Agr Progr.* 15 (3): 3. Summer 1969. )  
NAL Call No.: 100 T31TE

3062 1969  
**Utilization of fishery assets on estates and farms. [Fish culture].**  
Peart, L R.  
*Roy Agr Soc Engl J.* 130: 43-47. 1969. )  
NAL Call No.: 10 R81

1968

3063 1968  
**Aquarium fish culture. Akvariumnoe rybovodstvo. RUS.**  
Il'in, Mikhail Nikolaevich.  
[Moskva] Izd-vo Moskovskogo universiteta. 1968. 398 p. illus.  
NAL Call No.: SF457.I4  
(Moskovskoe obshchestvo ispytatelei prirody. \$Sredi prirody, no. 60)

3064 1968  
**Fishculture project, report for Thailand : phase I.**  
Swingle, Homer Scott.; Moss, D. D.



Auburn Ala: Auburn University Agricultural Experiment Station; 1968. 35 leaves: ill., maps; 28 cm.

NAL Call No.: SH117.T5S78

Cover title USAID-Auburn University Project (AID/csd-1581), Increasing fish production by improved fishcultures Caption title: Report of fishcultural investigations in Thailand.

3065 1968

Handbook of utilization of aquatic plants ;; A compilation of the world's publications.

Little, E C S.

Rome : Crop Protection Branch, Plant Production and Protection Division, FAO,. 1968. vi, 123 p. : ill. -.

NAL Call No.: SB423.L5

(Food and Agriculture Organization of the United Nations. Plant Production and Protection Division. Crop Protection Branch. \$PL:CP ; 20)

(Includes index and bibliographies.)

3066 1968

Intensive catfish production and marketing.

Madewell, Carl E.; Carroll, Billy B.

Muscle Shoals, Ala: Tennessee Valley Authority; (1968?). 30 leaves: maps; 28 cm.

NAL Call No.: HD9469.C38M3

(Bibliography: leaves 17-18.)

3067 1968

NEW ENGINEERING APPROACHES FOR THE PRODUCTION OF CONNECTICUT OYSTERS. VOLUME I. A PROBLEM ANALYSIS.

CALBO, L.J.; PERLMUTTER, A.; GOODRICH, D.R.; WAINRIGHT, R.B.

AMERICAN CYANAMID COMPANY CENTRAL RESEARCH DIVISION, STAMFORD, CONNECTICUT. RESEARCH SUPPORT AWARD NO. 67-13, CONNECTICUT RESEARCH COMMISSION. 140P.

Aquaculture Data Base No.: 2266

3068 1968

Possibility of establishment of fish farms in the Dominican Republic. Posibilidad de la creacion de fincas de peces en la Republica Dominicana. SPA.

Conner, J V.

Santiago de los Caballeros. [1968]. 6 p.

NAL Call No.: S15.I68 No.7

(Instituto Superior de Agricultura. Division de Investigaciones agricolas. Boletin, no. 7)

3069 1968

Use of polymeric materials in fish culture. Primenenie polimernykh materialov v rybovodnykh khoziaistvakh. RUS.

Balamutov, Anatolii Stepanovich; Brudastova, Mariia Alekseevna; Iliukhin, Anatolii Ivanovich.

Moskva, Pishchevaia promyshl.. 1968. 50, [2] p. illus.

NAL Call No.: TC153.B3

(Bibliography: p. 50-[51])

1967

3070 1967

Proceedings of the Commercial Fish Farming Conference, Memorial Student Center, Texas A & M University, College Station, Texas, Feburary 1-2, 1967.

College Station : Texas A & M University,. 1967. 66 p. : ill.

NAL Call No.: SH167.C35C61 1967

(Includes bibliographies.)

3071 1967

So is a carp pond managed. So bewirtschaftet man Karpfenteiche.

Kunze, Kurt.

Hamburg, Parey. [1967]. 122 p.

NAL Call No.: SH167.C3K83

3072 1967

Textbook of fish pond management; 3. unveranderte Aufl. Lehrbuch der Teichwirtschaft. GER.

Schaperclaus, Wilhelm.

Berlin, Parey. 1967. 582 p. illus.

NAL Call No.: SH211.S3 1967

(Bibliography: p. [568]-570)

1966

3073 1966

ON INCREASING THE FISH PRODUCTIVITY OF LARGE LAKES (OPYT POLUCHENIYA VYSOKOI RYBOPRODUKTIVNOSTI NA KRUPNYKH OZERAKH).

MARTEKHOV, P.F.

RYBN. KHOZ. 1966(7), 23. (COPY OF

TRANSLATIONS AVAILABLE ON LOAN FROM NMFS.)

Aquaculture Data Base No.: 5224

3074 1966

Report of short term survey of Perira de Miranda Reservoir and Amanari Fish Culture Station to establish criteria for improved fresh water fisheries management.

Dendy, John S; Shell, Eddie W; Prather, Edmund E.

Auburn, Ala. : Auburn University Agricultural Experiment Station,. 1966. 41 leaves : ill.

NAL Call No.: SH49.D4

(Prepared for U.S. Agency for International Development PIO/T 512-247-2-60107, PASA-LA (IF) 39-00.)

1965

3075 1965

Fishery research report.

Corvallis, Oregon State University.. 1965.

NAL Call No.: SH11.O7

(Continued by: Oregon. Wildlife Commission.

Research Division. Fishery research report. Title varies:

no. 5, Jan. 1967, Fishery report. Publisher varies: no.

6-7, Oregon State Game Commission. On spine, no. 7:

OGC Research Division.)

1961

3076 1961

SHELLFISH MARICULTURE.

MENZEL, R.W.

GULF AND CARIBBEAN FISHERIES INSTITUTE, PROC. 14, 195-199.

Aquaculture Data Base No.: 3359

1954

3077

1954

Georgia fish pond management.  
[atlanta., 1954?]. 99 p. illus.  
NAL Call No.: SH159.G4

1950

3078

1950

Fish-culture in salt water ponds in Java. Pemeliharaan ikan dalam perempagan di Djawa. IND.  
Schuster, W H.  
Bandung, 1950. 245 p. illus.  
NAL Call No.: SH117.I45S3  
(Indonesia. Kementerian pertanian. SPengumuman no. 2)  
(In English and Indonesian. Bibliography: p. 243-245)



## 8: HARVESTING AND HANDLING

- 1982
- 3081 1982  
Sex-selective harvesting of pacific salmon: a theoretically optimal solution (Model).  
Reed, W.J.  
Ecological modelling; v. 14, (3/4), p. 261-271. Jan 1982. (Amsterdam: Elsevier.)  
NAL Call No.: QH541.15.M3E25  
(Includes 7 ref.)
- 1981
- 3082 1981  
Conflicts in salmon harvest (United States, New Zealand).  
Galat, J.R.  
Occasional publication - Fisheries Research Division; (30), p. 88-90. 1981. (Wellington: New Zealand Ministry of Agriculture and Fisheries.)  
NAL Call No.: SH318.5.A1N4
- 3083 1981  
Effects of harvest techniques on sublegal spiny lobsters (*Panulirus argus*) and on subsequent fishery yield (Florida).  
Lyons, W.G.; Kennedy, F.S. Jr.  
Proceedings - Gulf and Caribbean Fisheries Institute; (33rd), p. 290-300. June 1981. (Miami, Florida: The Institute.)  
NAL Call No.: SH1.G8  
(12 ref.)
- 3084 1981  
EFFECTS OF SEASONALITY AND PLANT DENSITY ON THE PRODUCTIVITY OF SOME FRESHWATER MACROPHYTES.  
DEBUSK, T.A.; RYTHER, J.H.; HANISAK, M.D.  
AQUATIC BOTANY 10 (2), 133-142.  
Aquaculture Data Base No.: 8882
- 3085 1981  
Feeding and trapping fish (*Brycon chagrensis*) with *Piper auritum* (Potential use in aquaculture, Panama).  
Joly, L.G.  
Economic botany; v. 35, (4), p. 383-390. ill., map. Oct/Dec 1981. (Bronx, N.Y.: New York Botanical Garden.)  
NAL Call No.: 450 EC7  
(Bibliography p. 390.)
- 3086 1981  
Fiberglass tables for sorting and measuring fish.  
Rainwater, W.C.  
The Progressive fish culturist; v. 43, (3), p. 135. ill. July 1981. ((s.l.): United States Fish and Wildlife Service.)  
NAL Call No.: 157.5 P94  
(Includes 1 ref.)
- 3087 1981
- Fish capture and transport.  
Solomon, D.J.; Hawkins, A.D.  
Aquarium systems / edited by A.D. Hawkins; p. 197-221. ill. 1981. (London: New York :)  
NAL Call No.: SF457.A67  
(3 p. ref.)
- 3088 1981  
LOUISIANA RESEARCHERS ANALYSE CRAWFISH TRAPPING METHODS IN COST-CUTTING STUDY.  
COOK, C.  
AQUACULTURE MAGAZINE 8 (1), 10-12.  
Aquaculture Data Base No.: 9356
- 3089 1981  
THE SEARCH FOR A BETTER SPAT COLLECTOR.  
GREER, J.  
MARYLAND SEA GRANT 4 (1), 6-8.  
Aquaculture Data Base No.: 8741
- 1980
- 3090 1980  
An analysis of the non-selective salmon gillnet fishing data of pink salmon caught by the research vessels, operated in the waters off the Kuril Islands and West Kamchatka, from 1972 to 1976. JAPANESE.  
Shimazaki, K.; Ishida, T.; Takagi, K.  
Hokkaido Daigaku Suisangaku-bu kenkyu iho. = Bulletin of the Faculty of Fisheries, Hokkaido University; v. 31, (3), p. 229-238. ill., maps. Aug 1980. (Hakodate, Japan: The Faculty.)  
NAL Call No.: 414.9 H682  
(15 ref.)
- 3091 1980  
A computational model for growth and harvesting of the marine alga *Ascophyllum nodosum*.  
Seip, K.L.  
Ecological modelling; v. 8, p. 189-199. ill. Jan 1980. (Amsterdam: Elsevier.)  
NAL Call No.: QH541.15.M3E25  
(28 ref.)
- 3092 1980  
Effects of harvesting on the annual net aboveground primary productivity of selected Gulf Coast marsh plants.  
Stout, Judy P.; Cruz, Armando A. de la.; Hackney, Courtney.  
(S.l.): Mississippi-Alabama Sea Grant Consortium; (Springfield, Va. - available from NTIS) - c1980. leaves 213-222. ill.; 28 cm.  
NAL Call No.: SB423.S78  
Cover title Reprinted from Estuarine Perspectives 1980 by permission of Academic Press, Inc "PB81-22070 9, MASGP-78-050."  
(Bibliography: leaf 222.)

- 3093 1980  
**Estimating rate of exploitation from tag returns and fishing effort (Largemouth bass (*Micropterus salmoides*)).**  
 Reed, R.B.; Davies, W.D.  
 Proceedings of the ... annual conference Southeastern Association of Fish and Wildlife Agencies; (34th), p. 151-157. ill. 1980. ((s.l.): The Association.)  
 NAL Call No.: SK1.S6  
 (Includes 10 ref.)
- 3094 1980  
**HIGH YIELDS BUT STILL QUESTIONS: THREE YEARS OF ANIMAL-FISH FARMING.**  
 HOPKINS, K.; CRUZ, E.M.  
 ICLARM NEWSLETTER 3 (4), 12-13.  
 Aquaculture Data Base No.: 8760
- 3095 1980  
**An improved method for harvesting mosquitofish (*Gambusia affinis*) from rice fields (Biological control of mosquitoes).**  
 Farley, D.G.; Younce, L.C.  
 Proceedings and papers of the annual conference of the California Mosquito and Vector Control Association; (48th), p. 58-59. ill. Sept 1, 1980. (Visalia, Calif.: CMVCA.)  
 NAL Call No.: 428 C763
- 3096 1980  
**On the entangled catch of sockeye and chum salmon by the small mesh gillnet.**  
 Ishida, T.; Shimazaki, K.  
 Hokkaido Daigaku Suisangaku-bu kenkyu iho. = Bulletin of the Faculty of Fisheries, Hokkaido University; v. 31, (3), p. 239-245. ill. Aug 1980. (Hakodate, Japan: The Faculty.)  
 NAL Call No.: 414.9 H682  
 (10 ref.)
- 3097 1980  
**On the limits to movement of a pollack gill netter in Uchiura Bay (Fishing instruments). JAPANESE.**  
 Amagai, K.; Kawashima, R.; Matsushima, K.  
 Hokkaido Daigaku Suisangaku-bu kenkyu iho. = Bulletin of the Faculty of Fisheries, Hokkaido University; v. 31, (2), p. 191-200. ill. June 1980. (Hakodate, Japan: The Faculty.)  
 NAL Call No.: 414.9 H682  
 (2 ref.)
- 3098 1980  
**Pareto optimal policies for harvesting with multiple objectives (Fisheries management, models).**  
 Mendelssohn, R.  
 Mathematical biosciences; v. 51, (3/4), p. 213-224. ill. Oct 1980. (New York: Elsevier.)  
 NAL Call No.: QH324.A1M3  
 (15 ref.)
- 3099 1980  
**Past, present and future of fish handling methods.**  
 Eddie, G.C.  
 Advances in fish science and technology : papers presented at the Jubilee conference of the Torry Research Station, Aberdeen, Scotland, 23-27 July 1979, edited by J.J. Connell and staff of Torry Research Station; p. 18-28. ill. 1980. (9 ref.)  
 NAL Call No.: SH335.A24  
 (9 ref.)
- 3100 1980
- 1979
- 3101 1979  
**PROCESSING YIELDS FOR MALAYSIAN PRAWNS AND THE IMPLICATIONS.**  
 SMITH, T.I.J.; WALTZ, W.; SANDIFER, P.A.  
 PROCEEDINGS OF THE ELEVENTH ANNUAL MEETING, WORLD MARICULTURE SOCIETY, NEW ORLEANS, LOUISIANA, MARCH 5-8, 1980, 557-569.  
 Aquaculture Data Base No.: 9066
- 3102 1979  
**HARVESTING MONOSEX GRASS CARP.**  
 TACKETT, D.L.; ELLIS, J.E.  
 THE PROGRESSIVE FISH-CULTURIST 41 (1), 50.  
 Aquaculture Data Base No.: 6356
- 3103 1979  
**AN INTEGRATED APPROACH TO SMALL SCALE HARVESTING, PROCESSING AND MARKETING CHANNEL CATFISH (*ICTALURUS PUNCTATUS*).**  
 MUSTIN, W.G.  
 M.S. THESIS, AUBURN UNIVERSITY, 1-48.  
 Aquaculture Data Base No.: 8709
- 3104 1979  
**Population estimates of young Atlantic salmon, *Salmo salar* L., and brown trout, *Salmo trutta* L., by electrofishing (sampling) in two small streams in North Norway.**  
 Heggberget, T.G.; Hesthagen, T.  
 Report - Institute of Freshwater Research (Sweden); (58), p. 27-33. 1979. (Drottningholm: The Institute.)  
 NAL Call No.: 414.9 SW3  
 (Bibliography p. 32-33.)
- 3105 1979  
**PRINCIPLES OF WARMWATER AQUACULTURE. 8. HARVESTING, PROCESSING, AND ECONOMICS.**  
 STICKNEY, R.R.  
 PRINCIPLES OF WARMWATER AQUACULTURE.  
 JOHN WILEY & SONS, 300-319.  
 Aquaculture Data Base No.: 7412
- 3106 1979  
**THE QUALITY, HANDLING, AND TRANSPLANTING OF KELP FOR KOMOCHI KOMBU PRODUCTION.**  
 WHYTE, J.N.C.  
 PROCEEDINGS OF THE HERRING ROE ON KELP WORKSHOP. CORDOVA, ALASKA, JANUARY 23-24, 1979. UNIVERSITY OF ALASKA SEA GRANT PROGRAM. SEA GRANT REPORT 79-3, 23-27.  
 Aquaculture Data Base No.: 7037
- 3107 1979  
**Studies on the artificial mass production (of spawning and fertilization) of the ark shell *Anadara broughtonii* (Schrenck). I. On the spat collection in tank and transport of attached young (shellfish). KOREAN (USE FOR RELATED KOREAN LANGUAGES AND DIALECTS).**  
 Kim, J.D.; Cheong, S.C.; Chang, Y.J.; Kang, H.W.



HARVESTING AND HANDLING

Kungnip Susan Chinhungwon yon'gu pogo. Bulletin of Fisheries Reserch & Development Agency - Kungnip Susan Chinhungwon; (22), p. 55-65. ill., map. Nov 1979. (Nov 1979: (22))  
NAL Call No.: SH307.K8K84  
(11 ref.)

3107 1979  
Using hydroacoustics in fish husbandry. Ispol'zovanie gidroakustiki v rybnom khoziaistve. RUSSIAN. Kudriavtsev, Valerii Ivanovich. Moskva: "Pishchevaia promyshlennost'"; 1979. 174 p.: ill. NAL Call No.: SH344.2.K8  
(Bibliography: p. 170-(173).)

1978

3108 1978  
Commercial fishing activity and facility needs in Florida, Dixie, Levy and Taylor Counties : a report. Mathis, Kary. Gainesville: Florida Agricultural Market Research Center, Food and Resource Economics Department, Institute of Food and Agricultural Sciences, University of Florida; 1978. 25 p.: ill., map. NAL Call No.: HD1775.F6F6 No.78-4  
"A research project conducted for the Gulf and South Atlantic Fisheries Development Foundation, Inc." (Florida Agricultural Market Research Center. Industry report ; 78-4)  
(Bibliography: p. 25.)

3109 1978  
The harvest of hatchery and wild fall chinook salmon in 1974 from Elk River, Oregon. Bender, Reese E. Corvallis: Oregon Dept. of Fish and Wildlife, Research and Development Section; 1978. 17 leaves: ill. NAL Call No.: SH1.I55 No.78-6  
(Information report series, fisheries ; no. 78-6)  
(Bibliography: leaf 17.)

3110 1978  
POTENTIAL YIELDS FROM A WASTE-RECYCLING ALGAL MARICULTURE SYSTEM. DEBOER, J.A.; RYTHYER, J.H. PROCEEDINGS OF THE MARINE PLANT BIOMASS OF THE PACIFIC NORTHWEST COAST SYMPOSIUM, MARCH 2, 1977, GLENEDEN BEACH, OREGON, 231-249. (REPRINT).  
Aquaculture Data Base No.: 7371

1977

3111 1977  
For better fishing in farm ponds, regulate bass harvest. Davies, W D. *Highlights Agric Res.* 24 (4): 4. Winter 1977. .) NAL Call No.: 100 AL1H

1976

3112 1976  
CURRENT STATUS AND FUTURE PROSPECTS FOR HARVESTING AND RESOURCE MANAGEMENT OF THE AGAROPHYTE IN JAPAN. YAMADA, N.

JOURNAL OF THE FISHERIES RESEARCH BOARD OF CANADA 33 (4), 1024-1030. Aquaculture Data Base No.: 3007

3113 1976  
Preliminary results from the 1973 [salmon] tagging experiments at the Kollafjordur Experimental Fish Farm. Isaksson, A. *Isl Landbunadar Rannsok.* 8 (1/2): 14-18. 1976. .) NAL Call No.: S11.I8

3114 1976  
The results of [salmon] tagging experiments at the Kollafjordur Experimental Fish Farm from 1970 through 1972. Isaksson, A. *Isl Landbunadar Rannsok.* 8 (1/2): 3-13. 1976. .) NAL Call No.: S11.I8

3115 1976  
A SOCIO-ECONOMIC STUDY OF FISH PEN AQUACULTURE IN THE PHILIPPINES. HARVESTING PRACTICES. NICOLAS, E.S.; LIBRERO, A.R.; CALLO, R.A.; PAMULAKLAKIN, E.R. SEAFDEC-PCARR RESEARCH PROGRAM. RESEARCH PAPER SERIES NO. 5. 60-62. Aquaculture Data Base No.: 3617

3116 1976  
A SOCIO-ECONOMIC STUDY OF MUSSEL FARMS IN BACCOOR BAY - HARVESTING AND PRICE PATTERNS. ORDUNA, A.G.; LIBRERO, A.R. SEAFDEC-PCARR RESEARCH PROGRAM. RESEARCH PAPER SERIES NO. 2. 19-23. Aquaculture Data Base No.: 3451

3117 1976  
YIELDS OF THE SEaweeds NEOAGARDHIELLA BAILEYI AND GRACILARIA FOLIIFERA IN A WASTE RECYCLING-POLYCULTURE SYSTEM. DEBOER, J.A.; RYTHYER, J.H.; LAPOINTE, B.E. WOODS HOLE OCEANOGRAPHIC INSTITUTION. CONTRIBUTION, 184-192. SEA GRANT NO. 04-6-158-44016. NTIS PB-261 939. Aquaculture Data Base No.: 4864

1975

3118 1975  
A NEW HIGH IN FISH PRODUCTION IN INDIA WITH RECORD YIELDS BY COMPOSITE FISH CULTURE IN FRESHWATER PONDS. CHAUDHURI, H.; CHAKRABARTY, R.D.; SENN, P.R.; RAO, N.G.S.; JENA, S. *AQUACULTURE* 6 (4), 343-355. Aquaculture Data Base No.: 3285

3119 1975  
Progress report of ACMRR Ad Hoc Group of Experts on the Facilitation of Acoustic Research : a survey of extent and status of current research. Parrish, B. B.

Rome: Food and Agriculture Organization of the United Nations; 1975. 21 p.; 29 cm.  
 NAL Call No.: SH1.F9 No.324  
 FIRS/C324.  
 (Food and Agriculture Organization of the United Nations. FAO fisheries circulars ; no. 324)  
 (Includes bibliographies.)

1974  
 3120 1974  
**Harvesting affects hauling [Fish farming].**  
 Finley, W.  
*In Proceedings of the Fish Farming Conference and Annual Convention Catfish Farmers of Texas.* p. 27-29. 1974. .)  
 NAL Call No.: SH167.C35F5 1974

3121 1974  
**HARVESTING PROBLEMS.**  
 COOPER, B.D.  
 PROCEEDINGS OF THE 1974 FISH FARMING CONFERENCE AND ANNUAL CONVENTION CATFISH FARMERS OF TEXAS. TEXAS AGRICULTURAL EXTENSION SERVICE, TEXAS A AND M UNIVERSITY. P. 25-26.  
 Aquaculture Data Base No.: 732

3122 1974  
**RECENT DEVELOPMENTS IN HARVESTING, GRADING, LOADING AND HAULING POND RAISED CATFISH.**  
 GREENLAND, D.C.  
 TRANSACTIONS OF THE AMERICAN SOCIETY OF AGRICULTURAL ENGINEERS 17 (1), 59-62.  
 Aquaculture Data Base No.: 1963

3123 1974  
**RECORD FISH PRODUCTION WITH INTENSIVE CULTURE OF INDIAN AND EXOTIC CARPS.**  
 CHAUDHURI, H.; CHAKRABARTY, R.D.; RAO, N.G.S.; JANAKIRAM, K.; CHATTERJEE, D.K.; JENA, S.  
 CURRENT SCIENCE 43 (10), 303-304.  
 Aquaculture Data Base No.: 4896

3124 1974  
**TRAPPING POND-RAISED CHANNEL CATFISH.**  
 GREENLAND, D.C.; GILL, R.L.  
 THE PROGRESSIVE FISH-CULTURIST 36 (2), 72-77.  
 Aquaculture Data Base No.: 709

1973  
 3125 1973  
**EFFECT OF HARVESTING METHODS ON PRODUCTION OF FINGERLING FATHEAD MINNOWS.**  
 SAYLOR, M.L.  
 THE PROGRESSIVE FISH-CULTURIST 35 (2), 110-114.  
 Aquaculture Data Base No.: 647

3126 1973  
**EFFICIENCY OF DRAIN AND SEINE HARVEST TECHNIQUES IN EXPERIMENTAL PENAEID SHRIMP CULTURE PONDS.**  
 HOLCOMB, H.W. JR.; PARKER, J.C.

PROCEEDINGS OF THE FOURTH ANNUAL WORKSHOP WORLD MARICULTURE SOCIETY. MONTERREY, MEXICO. 235-245.  
 Aquaculture Data Base No.: 1102

1972

3127 1972  
**LIVE CARS FOR USE IN CATFISH INDUSTRY.**  
 GREENLAND, D.C.; GILL, R.L.; HALL, J.C.  
 COMMERCIAL FISHERIES REVIEW 33 (7-8), 44-53.  
 Aquaculture Data Base No.: 250

3128 1972  
**REEF AND LAGOON PRODUCTIVITY, SOUTH PACIFIC ISLANDS.**  
 CLUTTER, R.I.  
 FAO. FISHERY DEVELOPMENT AGENCY. FAO 21658. 68P.  
 Aquaculture Data Base No.: 1946

3129 1972  
**STANDING CROP OF FISHES AS AN ESTIMATE OF FISH PRODUCTION IN SMALL BODIES OF WATER.**  
 WHITESIDE, B.G.; CARTER, N.E.  
 PROCEEDINGS SOUTHEASTERN ASSOCIATION OF GAME AND FISH COMMISSIONERS 26, 414-417.  
 Aquaculture Data Base No.: 1531

1971

3130 1971  
**POND-RAISED CHANNEL CATFISH: THE DESIGN OF BOOM-MOUNTED BRAILERS TO MOVE THEM.**  
 GREENLAND, D.C.; GILL, R.L.; CARLTON, E.; WEAVER, S.L.  
 COMMERCIAL FISHERIES REVIEW 33 (10), 13-18.  
 Aquaculture Data Base No.: 4777

3131 1971  
**WEIGHT LOSS OF POND-RAISED CHANNEL CATFISH (ICTALURUS PUNCTATUS) DURING HOLDING IN PROCESSING PLANT VATS.**  
 GREENLAND, D.C.; GILL, R.L.  
 NOAA TECHNICAL REPORT NMFS SSRF-648. 7P.  
 Aquaculture Data Base No.: 2007

3132 1971  
**YIELDS OF THE KAUPPA TEST PONDS FROM 1968 TO 1970 AT IDENTICAL FISH PLANTINGS AND AN IDENTICAL FEEDING SCHEDULE.**  
 SCHAPERCLAUS, W.  
 FISHERIES RESEARCH BOARD OF CANADA TRANSL. SER. NO. 2841. 11P. (TRANSL. FROM GERMAN).  
 Aquaculture Data Base No.: 1343

1970

3133 1970  
**PRIMARY PRODUCTIVITY AND FISH YIELD.**  
 LIN, Y.S.



**HARVESTING AND HANDLING**

REPORTS OF FISH CULTURE.  
CHINESE-AMERICAN JOINT COMMISSION ON  
RURAL RECONSTRUCTION FISHERIES SERIES  
NO. 9, 58-69. (IN CHINESE, ENGLISH ABSTRACT).  
Aquaculture Data Base No.: 2252

## 9: PROCESSING AND PRODUCT DEVELOPMENT

- 1982
- 3134 1982  
**The application of technology to the processing of dry-salted fish in peninsular Malaysia: comparison of sun-dried and oven-dried fish.**  
 Yu, S.Y.; Siaw, C.L.; Idrus, A.Z.  
 Journal of food technology; v. 17, (2), p. 211-218. ill. Apr 1982. (Oxford: Blackwell Scientific Publications.)  
 NAL Call No.: TP368.J6  
 (Includes 7 ref.)
- 3135 1982  
**COOKING - OYSTERS.**  
 D'ERMO, D.  
 PACE 9 (3), 24-27.  
 Aquaculture Data Base No.: 9662
- 3136 1982  
**Fish utilization: new sources, techniques, and formulations for future food supply.**  
 Hultin, H.O.  
 Activities report - Research and Development Associates for Military Food and Packaging Systems, Inc; v. 34, (1), p. 133-139. 1982. (New York: The Associates.)  
 NAL Call No.: 389.9 AS74A  
 (Includes 4 ref.)
- 3137 1982  
**Trends in fish utilization.**  
 Connell, J. J.; Hardy, R.  
 Farnham, Surrey, England: Fishing News Books Ltd; 1982. x, 103 p.: ill.; 22 cm.  
 NAL Call No.: SH327.5.C65  
 "A Buckland Foundation book. Includes index. (Bibliography: p. 100-101.)
- 1981
- 3138 1981  
**"Wastes" (from fish processing plants as salable fish protein) can be turned into cash.**  
 Avault, J.W., Jr.  
 Aquaculture magazine; v. 7, (3), p. 38-39. ill. Mar/Apr 1981. (Little Rock, Ark.: Briggs Associates, Inc.)  
 NAL Call No.: SH1.C65
- 3139 1981  
**AQUACULTURISTS' ENTHUSIASM FOR YABBIES HIGHLIGHTS POTENTIAL BEYOND THE PROBLEMS.**  
 CARROLL, P.N.  
 AUSTRALIAN FISHERIES 40 (6), 23, 25-27, 29-31.  
 Aquaculture Data Base No.: 9495
- 3140 1981  
**Automatic squid cleaning machine.**  
 Singh, R.P.; Brown, D.E.
- California agriculture - California Agricultural Experiment Station; v. 35, (7/8), p. 4-6. ill. July/Aug 1981. (Berkeley, Calif.: The Station.)  
 NAL Call No.: 100 C12CAG
- 3141 1981  
**Design of small-scale catfish processing plants in Alabama.**  
 Lovell, R.T.; Mustin, W.G.; Jensen, J.W.  
 Circular - Agricultural Experiment Station, Auburn University; (255), 12 p. ill. June 1981. (Auburn, Ala.: The Station.)  
 NAL Call No.: 100 AL1S (2)  
 (2 ref.)
- 3142 1981  
**MUSSELS FOR YOUR ACHING MUSCLES.**  
 MOBERLY, H.; DARROW, T.  
 NATIONAL FISHERMAN 61 (13), 150-153.  
 Aquaculture Data Base No.: 8969
- 3143 1981  
**New soft, moist non-frozen fish food now in production (Aquaculture).**  
 Farm pond harvest; v. 15, (3), p. 24. Summer 1981. (Kankakee, Ill.: Professional Sportsman's.)  
 NAL Call No.: SH1.F3
- 3144 1981  
**Trout manure as fertilizer (Byproduct of trout fish culture, Idaho).**  
 Yarris, L.  
 Agricultural research - United States Agricultural Research Service; v. 30, (5), p. 9. ill. Nov 1981. (Washington, D.C.: The Service.)  
 NAL Call No.: 1.98 AG84
- 3145 1981  
**Who needs aquatic weeds? (for green fodder, manure, and novel crops to meet the world's needs for protein and wastewater purification).**  
 Sutton, D.L.  
 Weeds today; v. 12, (3), p. 6-7. ill. Fall 1981. (Champaign, Ill.: Weeds Today, Inc.)  
 NAL Call No.: SB610.W4
- 3146 1981  
**Zone allocation, joint venture programs key to U.S. fisheries development efforts.**  
 Quick frozen foods; v. 43, (7), p. 26-27, 29, 40. ill. Feb 1981. (New York: Harcourt, Brace, Jovanovich.)  
 NAL Call No.: 389.8 Q4
- 1980
- 3147 1980  
**Catfish processing in Mississippi.**



Mississippi State: The Center; 1980. v, 51 leaves; 28 cm.  
 NAL Call No.: 275.29 M68Ext. no.1286  
 (Mississippi State University. Extension Service.  
 Publication ; 1286)  
 (Includes bibliographical references.)

3148 1980  
**SEAWEED - AN INPORTANT RESOURCE WITH A PROMISING FUTURE.**  
 PARKER, H.S.  
 MARITIMES 21 (3), 1-3.  
 Aquaculture Data Base No.: 8464

1979

3149 1979  
**AQUACULTURE AND ALGAE CULTURE - PROCESSES AND PRODUCTS. ECONOMICS OF AQUACULTURE.**  
 WATSON, A.S.  
 AQUACULTURE AND ALGAE CULTURE (FOOD TECHNOLOGY REVIEW NO.53), NOYES DATA CORPORATION, 277-287.  
 Aquaculture Data Base No.: 8653

3150 1979  
**AQUACULTURE AND ALGAE CULTURE - PROCESSES AND PRODUCTS. TYPES OF PRODUCTS.**  
 WATSON, A.S.  
 AQUACULTURE AND ALGAE CULTURE (FOOD TECHNOLOGY REVIEW NO.53), NOYES DATA CORPORATION, 7-26.  
 Aquaculture Data Base No.: 8647

3151 1979  
**AQUACULTURE: UTILIZATION OF MARINE ALGAE.**  
 FUJIMORI, A.K.  
 PROCEEDINGS OF THE FOURTH ANNUAL STUDENT WYMPIOSIUM ON MARINE AFFAIRS, JAN. 11-13, 1979, UNIHI-SEAGRANT-MR-79-02, 89-98.  
 Aquaculture Data Base No.: 8626

3152 1979  
**Compression plant, particularly for the extraction of fish oil and the production of fish powder = Prebanlage, insbesondere zum Auspressen von Fishol und zur Evzengung von Fischmehl.**  
 Cairo: ESDUCK; 1979. 4 leaves.  
 NAL Call No.: TRANSL 26311  
 Translated from the German for the Science Education Administration, U.S. Dept. of Agriculture and the National Science Foundation, TT 79-58181  
 Translated from: German Patent 718.728, February 26, 1942, 4 pp.

3153 1979  
**Eighth annual Catfish Processors Workshop, Mississippi State University, November 14, 1979.**  
 State College: Mississippi State University; 1979. iv, 46 p.: ill.; 28 cm.  
 NAL Call No.: SH167.C35C34 1979  
 Cover title.

3154 1979  
**Lobster production. La production de homards : ses perspectives. FRENCH.**  
 Moinsard, Pierre Yves

Toulouse: Ecole nationale veterinaire; 1979. 49 p.: ill.  
 NAL Call No.: 41.2 T646 1979, no.66  
 (Toulouse. Ecole nationale veterinaire. These ; 1979, no. 66)  
 (Bibliography: p. 42-49.)

3155 1979  
**NEW FEED PROTEINS FOR AN EXPANDING AQUACULTURE INDUSTRY.**  
 SPINELLI, J.  
 NORTHWEST AND ALASKA FISHERIES CENTER MONTHLY REPORT. JULY 1979. 1-9.  
 Aquaculture Data Base No.: 7040

1978

3156 1978  
**Indigenous technology survey : fish processing industry.**  
 Mysore, India: Central Food Technological Research Institute; (1978?). v, 218 leaves; 30 cm.  
 NAL Call No.: SH299.I58  
 Cover title Survey conducted on a "specific request from United Nations Industrial Development Organization ..." -- Preamble Contract no. CON/78/26.  
 (Includes bibliographical references.)

3157 1978  
**Seafood processing capacity in commercial fisheries management: discussion.**  
 Bockstael, N.  
 American journal of agricultural economics; v. 60, (5), p. 1026-1027. Dec 1978. (Lexington, Ky., American Agricultural Economics Association.)  
 (2 ref.)

3158 1978  
**THE USES OF DUCKWEED.**  
 HILLMAN, W.S.; CULLEY, D.D., JR.  
 AMERICAN SCIENTIST 66 (4), 442-451.  
 Aquaculture Data Base No.: 6134

1977

3159 1977  
**Fish technology [including shrimps, fishery by-products].**  
 Stansby, M E.  
 In *Elements of Food Technology*. N. W. Desrosier, ed.. p. 375-384. 1977. )  
 NAL Call No.: TP370.E43

3160 1977  
**PRELIMINARY RESULTS OF EXPERIMENTS ON THE FEASIBILITY OF PRODUCING BULL MINNOWS (FUNDULUS GRANDIS) FOR THE LIVE BAIT INDUSTRY.**  
 TATUM, W.M.; HELTON, R.F., JR.  
 PROCEEDINGS OF THE EIGHTH ANNUAL WORKSHOP WORLD MARICULTURE SOCIETY, SAN JOSE, COSTA RICA. 7P.  
 Aquaculture Data Base No.: 3337

3161 1977  
**Soft shell crawfish as an aquaculture food product.**  
 Huner, J V.

*Feedstuffs*. 49 (50): 28-29. Dec 5, 1977. )  
NAL Call No.: 286.81 F322

- 1976
- 3162 1976  
EFFECT OF EFFLUENT FROM FISH PROCESSING PLANTS ON AQUATIC ORGANISMS.  
BESCHETNOVA, E. I.; ZEMKOV, G. V.; DEREVYAGINA, N. G.; KUSHNIKOVA, S. N.; LOPATINA, V. A.  
HYDROBIOLOGICAL JOURNAL 12 (2), 54-57.  
Aquaculture Data Base No.: 4336
- 3163 1976  
Fish processing industry in India : symposium held at CFTRI, Mysore on 13-14 February 1975.  
(Mysore): Association of Food Scientists and Technologists; 1976. iv, iii, 156 p.: ill., ports; 29 cm.  
NAL Call No.: SH335.S9 1975  
PL-480.  
(Includes bibliographical references.)
- 3164 1976  
THE MARKET FOR SALMON AQUACULTURE PRODUCTS.  
JOHNSON, R.S.  
ALASKA SEA GRANT PROGRAM, CONFERENCE ON SALMON AQUACULTURE AND THE ALASKAN FISHING COMMUNITY, CORDOVA, ALASKA, 269-275.  
Aquaculture Data Base No.: 2974
- 3165 1976  
PRODUCING CRAWFISH FOR FISHBAIT.  
HUNER, J.V.; AVAULT, J.W., JR.  
LOUISIANA STATE UNIVERSITY SEA GRANT PUBLICATION T1-76-001, 23P.  
Aquaculture Data Base No.: 3636
- 3166 1976  
The shrimp fishery [Production, statistics, canning].  
Idyll, C P.  
*In Industrial Fishery Technology*. M. E. Stansby & others.. p. 150-170. Ref. 1976. )  
NAL Call No.: SH335.S78 1976
- 3167 1976  
USES AND CULTIVATION OF SEAWEEDS.  
FRALICK, R.A.; RYTHER, J.H.  
OCEANUS 19 (4), 33-39.  
Aquaculture Data Base No.: 3117
- 1975
- 3168 1975  
THE FEASIBILITY OF UTILIZATION OF SOLID WASTE MATERIAL FROM THE CULTIVATION OF SHELLFISH AS A MARKETABLE PRODUCT.  
SRNA, R.F.; BAGGALEY, A.S.; EWART, J.  
UNIVERSITY OF DELAWARE. SEA GRANT. DEL-SG-12-75. 32P.  
Aquaculture Data Base No.: 2255
- 3169 1975  
MULLET AS WORLD PROTEIN SOURCE.  
OREN, O.H.
- AUSTRALIAN FISHERIES 34 (5), 19-20.  
Aquaculture Data Base No.: 2753
- 3170 1975  
PRODUCTION OF A FOOD SUPPLEMENT FROM BIOMASS GROWN IN TERMINAL SEWAGE LAGOONS.  
SCHURR, K.  
PROCEEDINGS OF THE SEVENTH ANNUAL WORKSHOP WORLD MARICULTURE SOCIETY. SAN DIEGO, CALIFORNIA. 13P.  
Aquaculture Data Base No.: 2318
- 3171 1975  
THE RESTAURANT TRADE AND LAKE PERCH AQUACULTURE.  
FOLLETT, R.  
AQUACULTURE. RAISING PERCH FOR THE MIDWEST MARKET, UNIVERSITY OF WISCONSIN SEA GRANT COLLEGE PROGRAM. 13P.  
Aquaculture Data Base No.: 3385
- 1974
- 3172 1974  
CRAWFISH: FROM BAYOU TO BIG TIME.  
KUZENSKI, S.; BECKER, R.  
TEXAS A&M UNIV., SEA GRANT COLL. PROGR., SEA GRANT 70'S 4(8), 1-2.  
Aquaculture Data Base No.: 5137
- 3173 1974  
FISH BLOCKS MADE FROM 'ROUGH FISH'.  
DASSOW, J.A.; STEINBERG, M.A.  
AQUACULTURE AND THE FISH FARMER 1 (1), 4-5, 8-10, 26-27.  
Aquaculture Data Base No.: 6428
- 1973
- 3174 1973  
AQUACULTURE AND FISHERY PRODUCTS DEVELOPMENT.  
PILLAY, T.V.R.  
FAO. TECHNICAL CONFERENCE ON FISHERY PRODUCTS, SESSION III, TOKYO, FAO 24602. 8P.  
Aquaculture Data Base No.: 1948
- 3175 1973  
Autolysis as a factor in the production of protein isolates from whole fish.  
Meinke, W W; Mattil, K F.  
*J Food Sci*. 38 (5): 864-866. Ref. July/Aug 1973. )  
NAL Call No.: 389.8 F7322
- 3176 1973  
Bacteriological aspects of fish protein concentrate production from a large-scale experiment and demonstration plant.  
Paskel, S L; Goldmintz, D.  
*Dev Ind Microbiol*. 14: 302-309. 1973. )  
NAL Call No.: 448.3 D49
- 3177 1973  
New uses for fish proteins. [Animal feed, human nutrition].  
Hallgren, B; Sjoberg, L B; Stelleman, J.



*In NATO Adv Study Inst on the Chem Biol & Phys of Proteval, Reading, Eng, 1972. Proteins in Human Nutrition. p. 369-381. Ref. 1973. .)*  
NAL Call No.: QP551.N37 1972

**3178** 1973  
Possible modifications of the technological properties of fish protein concentrates. *Mozliwosci modyfikacji uzytkowych wlasciwosci rybnych preparatow bialkowych.* POL.  
Skorski, Z E; Nacz, M.  
*Przem Spozyw.* 27 (6): 250-254. Ref. 1973. .)  
NAL Call No.: 389.8 P95

**3179** 1973  
Sanitary considerations in the production of fish protein concentrate.  
Fox, W E.  
*In Chichester, C. O., comp. Microbial Safety of Fishery Products.* p. 125-129. 1973. .)  
NAL Call No.: RA602.F5C5

**3180** 1973  
Sanitary state of fish and fishery products in developing countries of the eastern Caribbean.  
Peterkin, F A.  
*In Chichester, C. O., comp. Microbial Safety of Fishery Products.* p. 234-241. 1973. .)  
NAL Call No.: RA602.F5C5

**3181** 1973  
THE TECHNOLOGICAL BASIS FOR DEVELOPMENT OF AQUACULTURE TO PRODUCE LOW-COST FOOD FISH.  
DASSOW, J.A.; STEINBERG, M.A.  
MAR. FISH. REV. 35 (11), 6-13.  
Aquaculture Data Base No.: 5200

**3182** 1973  
Turning to good use the fish oils produced on board of oceanic fishing vessels. *Valoricarea uleriurilor de peste obtinute pe navale de pescuit oceanic.* RUM.  
Ille, A M; Poboran, A.  
*Ind Aliment (Bucur).* 24 (7): 372-375. Eng. sum. July 1973. .)  
NAL Call No.: 389.8 IN26

1972

**3183** 1972  
AQUACULTURALLY GROWN PAN-SIZE SALMON COULD SOLVE FISH SCARCITY PROBLEM.  
KATZ, A.  
QUICK FROZEN FOODS 34 (8), 81,83,109.  
Aquaculture Data Base No.: 458

**3184** 1972  
Catfish processing--a rising Southern industry.  
Russell, Jesse R.  
USDA Econ Res Serv Agr Econ Rep 224,. Apr 1972. 33 p.  
NAL Call No.: A281.9 AG84A  
AGE.

**3185** 1972  
The development of a continuous plate freezing system for marine application. [Fish].  
Fenner, F R.

*Bull Inst Int Froid. suppl. 2: 133-139. 1972. .)*  
NAL Call No.: 295.9 IN7

**3186** 1972  
Methods of quantitatively appraising the productivity of fish. *Metody kolichestvennoi otsenki produktivnosti ryb.* RUSSIAN.  
Sergeev, IUrii Sergeevich.  
Moskva: "Pishchevaia promyshennost"; 1972. 68 p.  
NAL Call No.: SH156.S4  
(Bibliography: p. 66-68.)

1971

**3187** 1971  
THE PRODUCTION OF THREADFIN SHAD AS LIVE BAIT FOR HAWAII'S SKIPJACK TUNA FISHERY. AN ECONOMIC FEASIBILITY STUDY.  
SHANG, Y.C.; IVERSEN, R.T.B.  
UNIVERSITY OF HAWAII. ECONOMIC RESEARCH CENTER. 42P.  
Aquaculture Data Base No.: 1194

1970

**3188** 1970  
THE MASS PRODUCTION OF SPIRULINA, A HELICAL BLUE-GREEN ALGAE AS A NEW FOOD.  
NAKAMURA, H.  
SPIRULINA DEVELOPMENT COMMITTEE OF JAPAN, MICROALGAE INTERNATIONAL UNION, LONDON. 15P.  
Aquaculture Data Base No.: 1843

**3189** 1970  
MINNOWS--BY THE MILLION.  
WHITE, J.T.  
AMER. FISH FARMER WORLD AQUACULT. NEWS 1(9), 8-11.  
Aquaculture Data Base No.: 5159

1969

**3190** 1969  
PROCESSING POND-RAISED CATFISH.  
BILLY, T.J.  
PROCEEDINGS, FISH FARMING CONFERENCE, JAN. 27-28, 1969, ATHENS, GA., UNIV. GA., COOP. EXT. SERV., INST. CUMMUNITY AREA DEV., PP. 42-48.  
Aquaculture Data Base No.: 5021

# 10: PRODUCT QUALITY, NUTRITIVE VALUE AND CONSUMPTION

1982

3191 1982  
**Handling fish--US conference looks at the basics and beyond (Freezing, quality).**

Thrower, S.J.  
 Australian fisheries; v. 41, (3), p. 38-39, 41. Mar 1982.  
 (Canberra, Australia: Australian Government Publishing Service.)

NAL Call No.: SH317.A8

3192 1982  
**An investigation of sarcoplasmic proteins in the meat of artificially reared carp (Cyprinus carpio).**

Katanic, D.; Kepcija, D.; Stojanovic, N.  
 Acta veterinaria; v. 32, (2/3), p. 139-142. 1982.  
 (Beograd: Fakultet.)

NAL Call No.: 41.8 V6447

(Includes 2 ref.)

3193 1982  
**USM (University of Southern Mississippi) algal research team makes major off-flavor.**

Van Aller, R.T.; Pessoney, G.  
 Aquaculture magazine; v. 8, (3), p. 18-22. ill. Mar/Apr 1982. (Little Rock, Ark.: Briggs Associates, Inc.)

NAL Call No.: SH1.C65

1981

3194 1981  
**Fish as food--a working sphere with modest veterinary contribution (Fisheries production, diseases, fish product inspection, Denmark). Fisk som levnedsmiddel--et arbejdsomrade med beskeden veterinaer indsats.**

DANISH.  
 Huss, H.H.  
 Dansk veterinaertidsskrift; v. 64, (3), p. 69-73. ill. Feb 1, 1981. (Kobenhavn: Danske Dyrlaegeforening.)

NAL Call No.: 41.9 D23

(6 ref.)

3195 1981  
**The influence of intensive production systems on the carcass value of trout. Untersuchungen uber den Einfluss intensiver Mastverfahren auf den Schlachtkorperwert von Forellen. GERMAN.**

Oldigs, B.; Reinhard, U.R.; Langholz, H.J.  
 Fleischwirtschaft; v. 61, (2), p. 274-276. Feb 1981.  
 (Frankfurt am Main: Sponholz.)

NAL Call No.: 280.38 F62

(7 ref.)

3196 1981  
**New off-flavors in pond-raised fish (Feedings). GERMAN.**

Lovell, T.

Aquaculture magazine; v. 7, (6), p. 33. Sept/Oct 1981.  
 (Little Rock, Ark.: Briggs Associates, Inc.)  
 NAL Call No.: SH1.C65

3197 1981  
**Percentage digestible dry matter and crude protein in dried aquatic weeds (for livestock feed).**

Boyd, C.E.; McGinty, P.S.  
 Economic botany; v. 35, (3), p. 296-299. July/Sept 1981.  
 (Bronx, N.Y.: New York Botanical Garden.)

NAL Call No.: 450 EC7

(7 ref.)

3198 1981  
**To market to market to buy a farmed fish (Report from the first International Fish Farming Exhibition and Conference in Brighton).**

Watson, B.  
 Food flavourings, ingredients, packaging & processing; v. 3, (5), p. 24-25. ill. May 1981. (London: United Trade Press.)

NAL Call No.: TP450.A1F552

3199 1981  
**The use of seaweed by the food industry (Jan 72 - Sep 81): citations from the Food Science and Technology Abstracts data base.**

Springfield, Va: NTIS; 1981. 195 leaves in various foliations; 28 cm.

NAL Call No.: Z5973.M3U7

PB81-882110 "Sep 81. Includes index.

3200 1981  
**Utilization of fish proteins (Includes world production and consumption).**

Bligh, E.G.  
 Utilization of protein resources; (pub. 1981), p. 260-268. 1978 (pub. 1981). (Westport, Conn.: Food & Nutrition Press.)

NAL Call No.: TX553.P7U8

(Includes 1 ref.)

1980

3201 1980  
**Consumer acceptance of low temperature smoked fish fillets: a report.**

Degner, Robert L.  
 Gainesville, Fla: Florida Agricultural Market Research Center, Food and Resource Economics Dept., Institute of Food and Agricultural Sciences, University of Florida; 1980. x, 48 p.; 28 cm.

NAL Call No.: HD1775.F6F6 No.80-3

Issued Sept. 1980.

(Florida Agricultural Marketing Research Center.

Industry report ; 80-3)

(Bibliography: p. 48.)

3202 1980  
**Effects of feed on sensory quality of fish.**

Lovell, T.



PRODUCT QUALITY, NUTRITIVE VALUE AND CONSUMPTION

- Aquaculture magazine; v. 6, (6), p. 41. Sept/Oct 1980. (Little Rock, Ark.: Briggs Associates, Inc.)  
NAL Call No.: SH1.C65
- 1976
- 3203 1980  
Shrimp quality: biological and technological relationships.  
Moore, A.B.; Eitenmiller, R.R.  
Athens, Ga.: The Stations; May 1980. 31 p.  
NAL Call No.: S51.E2  
Literature review.  
(Bibliography p. 20-31.)
- 1979
- 3204 1979  
GRADING OF FARMED EELS BY MEANS OF MESHWIRE BOXES.  
KOOPS, H.; KUHLMANN, H.  
INTERNATIONAL COUNCIL FOR THE EXPLORATION OF THE SEA, MARICULTURE COMMITTEE PAPER F:5, 15 PP.  
Aquaculture Data Base No.: 7635
- 1979
- 3205 1979  
Influence of selected technological factors on rancidity of the frozen fish. WpLyw wybranych czynnikow technologicznych na jeLczenie ryb mrozonych.  
KoLakowska, Anna.  
Szczecin: Wydawn. Akademii Rolniczej w Szczecinie; 1979. 189 p.: ill., graphs.  
NAL Call No.: S13.S9 Nr.67  
Habilitation-Akademia Rolnicza w Szczecinie Summary in English and Russian.  
(Rozprawy-Akademia Rolnicza w Szczecinie ; nr. 67)  
(Bibliography: p. 164-188.)
- 1978
- 3206 1978  
TASTE PANEL EVALUATION OF POND-FATTENED SHCOOL PRAWNS METAPENAEUS MACLEAYI (HASWELL).  
MCBRIDE, R.L.; MAGUIRE, G.B.  
AQUACULTURE 16 (3), 261-265.  
Aquaculture Data Base No.: 6618
- 1978
- 3207 1978  
URI [University of Rhode Island] research helps aquaculturists provide palatable fish products [Fish farming].  
Simpson, K L.  
R I Resour. 24 (2): 1-3. Spring/Summer 1978. .)  
NAL Call No.: 100 R342
- 1977
- 3208 1977  
The occurrence of Clostridium botulinum type E in Finnish trout farms and the prevention of toxin formation in freshsalted vacuum-packed trout fillets.  
Ala-huikku, K; Nurmi, E; Pajulahti, H; Raevuori, M.  
Nord Veterinaermed. 29 (9): 386-391. Ref. Sept 1977. .)  
NAL Call No.: 41.8 N813
- 3209 1976  
FLAVOR PROBLEMS IN FISH CULTURE.  
LOVELL, R.T.  
TEXAS A AND M UNIVERSITY. SEA GRANT COLLEGE. TAMU-SG-77-105. FIRST ANNUAL TROPICAL AND SUBTROPICAL FISHERIES TECHNOLOGICAL CONFERENCE. PROC. VOL. II. 456-472.  
Aquaculture Data Base No.: 3217
- 3210 1976  
FLAVOUR PROBLEMS IN FISH CULTURE.  
LOVELL, R.T.  
FAO TECHNICAL CONFERENCE ON AQUACULTURE. FIR:AQ/CONF/76/E.14. 7P.  
Aquaculture Data Base No.: 2686
- 1975
- 3211 1975  
Determination of mercury content in fish of the Horgobagy fish farm. Higanytartalom meghatarozasa a Hortobagy Halgazdasag allomanyaban. HUN.  
Horvath, E; Papp, L; Posta, J; Banka, E.  
Elelmiszerviz Kozl. 21 (4): 215-221. Map. Ref. Eng. sum. 1975. .)  
NAL Call No.: 389.9 EL2
- 3212 1975  
Selected shrimp and seafood statistics for Louisiana and the United States.  
Roy, Ewell P; Bordelon, Floyd.  
Baton Rouge, La, Agrl Exp Sta, A.e.a. Information Series No 33., Jan 1975.  
NAL Call No.: S67.E2  
AGE.
- 3213 1975  
Spread of Clostridium botulinum in Norwegian fish culture [Food contamination]. Utbredelse av Clostridium botulinum i norske fiskeoppdrettsanlegg. NOR.  
Tjaberg, T B; Hastein, T.  
Nor Veterinaertidskr. 87 (11): 718-720. Ref. 1975. .)  
NAL Call No.: 41.8 N81
- 1974
- 3214 1974  
Detection of pyridine in farm crop products and fish. [Residues, pollution]. RUS.  
Polishchuk, L R; Stempkovskaia, L A.  
Gig Sanit. 2: 69-70. Feb 1974. .)  
NAL Call No.: RA421.G5
- 3215 1974  
A DIVERSION SCREEN FOR GRADING POND-RAISED CHANNEL CATFISH.  
GREENLAND, D.C.; GILL, R.L.  
THE PROGRESSIVE FISH-CULTURIST 36 (2), 78-79.  
Aquaculture Data Base No.: 710
- 3216 1974  
Hydrogen sulfide production by Pseudomonas putrefaciens in shrimp experimentally packed in nitrogen.[Fish spoilage].  
Lapin, R M; Koburger, J A.

*Appl Microbiol.* 27 (4): 666-670. Ref. Apr 1974. .)  
NAL Call No.: 448.3 AP5

*Bull Inst Int Froid.* suppl. 2: 59-63. Ref. 1972. .)  
NAL Call No.: 295.9 IN7

3217 1974  
Quality of fishes. Sakana no hinshitsu.  
Tokyo: Koseisha Koseikaku; 1974. 174 p.: ill.  
NAL Call No.: SH329.3.J3S3  
(Includes bibliographies.)

1966

3218 1974  
Selected shrimp and seafood statistics for Louisiana and the United States.  
Roy, Ewell P; Bordelon, Floyd J.  
Baton Rouge, La Agr Exp Sta Dep Agr Econ Agribus  
AEA Inform Ser No 33., Jan 1974. 97 p.  
NAL Call No.: S67.E2  
AGE.

3225 1966  
Radiation pasteurization of shrimp and oysters Final summary report for the period January-December, 1965. Prepared by Arthur F. Novak [and] Joseph A. Liuzzo, for Division of Isotopes Development, United States Atomic Energy Commission, under contract number AT-(40-1)-2951.  
Novak, Arthur Francis; Liuzzo, Joseph A.  
[Washington, U.S. Atomic Energy Commission, Division of Technical Information. 1966. 27 p. tables.  
NAL Call No.: TX611.5.N6  
("ORO-636" Includes bibliography.)

1973

3219 1973  
An analysis of pond raised catfish production in Texas.  
Lacewell, Ronald D; Nichols, John P; Jambers Jr, T Harold.  
South J Agric Econ 5(1): Jul 1973. 141-145.  
NAL Call No.: HD101.S6  
AGE.

3220 1973  
Aroma and flavor of farm-raised channel catfish: effects of pond condition, storage, and diet.  
Maligalig, L L; Caul, J F; Tiemeier, O W.  
*Food Prod Develop.* 7 (4): 86, 88, 90, 92. May 1973. .)  
NAL Call No.: HD9000.1.F64

3221 1973  
The effect of trypsin on cell suspensions and culture supernatants of strains of *Clostridium botulinum* types B and E. [Fish contamination].  
Tjaberg, T B.  
*Acta Pathol Microbiol Scand, Sect B Microbiol Immunol.* 81b (2): 187-190. Ref. Apr 1973. .)  
NAL Call No.: QR1.A36

3222 1973  
Influence of residual lipids on the nutritive value of fish meal. IV. Effect of drying and storage on the energy value of the protein and lipid fractions of herring meal. [Feed].  
Opstvedt, J.  
*Acta Agric Scand.* 23 (3): 200-208. Ref. 1973. .)  
NAL Call No.: 11 AC82

3223 1973  
Microbial flora, chemical characteristics, and shelf life of four species of pond-reared shrimp.  
Vanderzant, C; Cobb, B F; Thompson, C A; Parker, J C.  
*J Milk Food Technol.* 36 (9): 443-446. Ref. Sept 1973. .)  
NAL Call No.: 44.8 J824

1972

3224 1972  
Investigations into changes in the protein nutritive value of frozen fish sausages produced from fresh and frozen minced flesh.  
Kolakowski, E; Fik, M; Karminska, S.



# 11: MARKETING AND ECONOMICS

- 1982
- 3226 1982  
**ABALONE AQUACULTURE DEVELOPING IN US.**  
 BOWERMAN, M.  
 AUSTRALIAN FISHERIES 41 (2), 46.  
 Aquaculture Data Base No.: 9668
- 3227 1982  
**Aquaculture economics research in Asia: proceedings of a workshop held in Singapore, 2-5 June 1981.**  
 International Development Research Centre, IDRC; (193e), 128 p. 1982. (Ottawa: IDRC)
- 3228 1982  
**Aquaculture to play important role in Indonesia future (Fish farming industry).**  
 Cremer, M.C.; Sullivan, G.M.  
 Aquaculture magazine; v. 8, (2), p. 29-32. ill. Jan/Feb 1982. (Little Rock, Ark.: Briggs Associates, Inc.)  
 NAL Call No.: SH1.C65
- 3229 1982  
**Aquaculture: investment opportunities in Puerto Rico (Fish culture).**  
 Pagan-Font, F.A.  
 Proceedings - Gulf and Caribbean Fisheries Institute; (pub. 1982). (34th), p. 73-75. 1981 (pub. 1982). (Miami: The Institute.)  
 NAL Call No.: SH1.G8
- 3230 1982  
**Commercial fisheries under price uncertainty (Risk aversion).**  
 Andersen, P.  
 Journal of environmental economics and management; v. 9, (1), p. 11-28. Mar 1982. (New York, N.Y.: Academic Press.)  
 NAL Call No.: HC79.P55J6  
 (18 ref.)
- 3231 1982  
**DEVELOPMENT PROGRAM OFFERS GUIDE TO LOCATING AQUACULTURE LAND IN HAWAII.**  
 FASSLER, C.R.  
 AQUACULTURE MAGAZINE 8 (5), 16-20.  
 Aquaculture Data Base No.: 9799
- 3232 1982  
**Development, prospects and problems of the Tilapia cage culture industry in the Philippines.**  
 Guerrero, R.D. III.  
 Aquaculture; v. 27, (3), p. 313-315. Apr 1982. (Amsterdam: Elsevier Scientific Publishing.)  
 NAL Call No.: SH1.A6  
 (Includes 5 ref.)
- 3233 1982  
**ECUADOR: RAPID GROWTH, AND IT ISN'T OVER.**
- TAUBER, G.  
 THE FISH BOAT 27 (8), 35-36, 80-84.  
 Aquaculture Data Base No.: 9709
- 3234 1982  
**Enterprising northeast oyster.**  
 Goldsmith, J.B.  
 Aquaculture magazine; v. 8, (2), p. 25-28. ill. Jan/Feb 1982. (Little Rock, Ark.: Briggs Associates, Inc.)  
 NAL Call No.: SH1.C65
- 3235 1982  
**The fisheries and fish trade of Portugal.**  
 Marine fisheries review; v. 44, (1), p. 24-27. Jan 1982. (Washington, D.C.: Scientific Publications Office, National Marine Fisheries Service.)  
 NAL Call No.: 157.5 F532
- 3236 1982  
**Mississippi farm-raised catfish: January 1982 cost of production estimates.**  
 Giachelli, J.W.; Coats, R.E. Jr.; Waldrop, J.E.  
 Agricultural economics research report - Mississippi Agricultural and Forestry Experiment Station; (134), 41 p. June 1982. (Mississippi State: The Station.)  
 (10 ref.)
- 3237 1982  
**NEW FEDERAL TAX LAW ALLOWS BENEFITS FOR AQUACULTURE RESEARCH.**  
 FEINSCHREIBER, R.  
 AQUACULTURE MAGAZINE 8 (2), 22-24.  
 Aquaculture Data Base No.: 9285
- 3238 1982  
**Shrimp farming: a business today; profits and problems (Ecuador).**  
 Shayne, P.  
 Proceedings - Gulf and Caribbean Fisheries Institute; (pub. 1982). (34th), p. 90-94. 1981 (pub. 1982). (Miami: The Institute.)  
 NAL Call No.: SH1.G8
- 3239 1982  
**Socioeconomic value of the trout fishery in Lake Taneycomo, Missouri (Salmo gairdneri).**  
 Weithman, A.S.; Haas, M.A.  
 Transactions of the American Fisheries Society; v. 111, (2), p. 223-230. ill., map. Mar 1982. (Lawrence, Kan.: The Society)  
 NAL Call No.: 414.9 AM3  
 (Includes 1 p. ref.)
- 3240 1982  
**Survey of market channels for farm-raised catfish.**  
 Dixon, D.A. Jr.; Miller, J.S.; Conner, J.R.; Waldrop, J.E.

AEC Research Report - Mississippi Agricultural and Forestry Experiment Station; (132), 27 p. map. Mar 1982. (Mississippi State: The Station.)  
 NAL Call No.: 100 M69MR  
 (Includes 6 ref.)

1981

3241 1981  
**ADB AID FOR SRI LANKA COVERS SEA FISHING AND AQUACULTURE.**  
 HANCOCK, K.  
 WORLD FISHING 30 (12), 9.  
 Aquaculture Data Base No.: 9394

3242 1981  
**THE AGRICULTURE CREDIT ACT OF BRITISH COLUMBIA.**  
 CHISLETT, G.R.  
 THE B.C. SHELLFISH MARICULTURE NEWSLETTER 1 (5), 1-5.  
 Aquaculture Data Base No.: 9199

3243 1981  
**Analysis of management alternatives for the Texas shrimp fisheries. FRENCH.**  
 Griffin, Wade.  
 College Station, Tex: Texas Agricultural Experiment Station; 1981. vi, 63 p.: ill.; 28 cm.  
 NAL Call No.: HD1775.T4T4 no. 81-1  
 (Texas A & M University. Dept. of Agricultural Economics. Departmental information report ; 81-1Staff paper series ; 1)  
 (Bibliography: p. 37.)

3244 1981  
**AQUACULTURE OUTLOOK & SITUATION.**  
 STELLMACHER, M.; BLAZER, E.  
 UNITED STATES DEPARTMENT OF AGRICULTURE, ECONOMICS AND STATISTICS SERVICE, 1-22.  
 Aquaculture Data Base No.: 8763

3245 1981  
**COMMERCIAL AQUACULTURE OF FISHES IN MAINE: STATUS AND FUTURE PROSPECTS.**  
 JAGOE, C.J.; SMALL, D.P.; BLAKE, R.L.; WOODWARD, S.; SMITH, D.C.; MORING, J.R.  
 FISHERIES 6 (5), 16-25.  
 Aquaculture Data Base No.: 9216

3246 1981  
**Commercialization of crayfish in France: economic, hygienic and sanitary approach. La commercialisation de l'ecrevisse en France: approche economique, hygienique et sanitaire.**  
 Tillien, G.  
 Bulletin francais de pisciculture; (281), p. 149-161. ill. Second Quarter 1981. (Boves: le Paraquet.)  
 NAL Call No.: 414.8 B87  
 (Bibliography p. 160-161.)

3247 1981  
**A comparison of rearing costs and returns of selected herbivorous, omnivorous, and carnivorous aquatic species.**  
 Shang, Y.C.

Marine fisheries review; v. 43, (9), p. 23-24. Sept 1981. (Washington, D.C.: Scientific Publications Office, National Marine Fisheries Service.)  
 NAL Call No.: 157.5 F532  
 (Includes 6 ref.)

3248 1981  
**Corps of Engineers' acquisition of fish hatchery proves costly : report to the Chairman, Committee on Public Works and Transportation, House of Representatives.**  
 (Washington, D.C.): U.S. General Accounting Office ; for sale by Supt. of Docs; 1981. iv, 96 p.: ill.; 28 cm.  
 NAL Call No.: SH35.I2U5  
 Cover title CED-81-109 B-202666--prelim. p.  
 (Includes bibliographical references.)

3249 1981  
**DIRECTORY OF PRODUCTS AND SERVICES.**  
 LYNCH, T.  
 AQUACULTURE MAGAZINE 1982 BUYER'S GUIDE, 42-44, 46-49, 52, 55-58, 60-62, 65-69, 71-76, 80-81.  
 Aquaculture Data Base No.: 9323

3250 1981  
**Economic impacts of the Alaska shellfish fishery: an input-output analysis.**  
 Butcher, W.; Buteau, J.; Hassenmiller, K.; Petry, G.; Staitieh, S.  
 NOAA technical memorandum NMFS F/NWC - U.S. Dept. of Commerce, National Marine Fisheries Service; (9), 103 p. Mar 1981. (Springfield, Va.: National Technical Information Service.)  
 (32 ref.)

3251 1981  
**Economic management concepts in small-scale spiny lobster fisheries.**  
 Cato, J.C.; Prochaska, F.J.  
 Proceedings - Gulf and Caribbean Fisheries Institute; (33rd), p. 301-321. ill. June 1981. (Miami, Florida: The Institute.)  
 NAL Call No.: SH1.G8  
 (Bibliography p. 320-321.)

3252 1981  
**Economic trade-offs and the North Carolina shrimp fishery: comment.**  
 Johnson, R.N.  
 American journal of agricultural economics; v. 63, (4), p. 746. Nov 1981. (Lexington, Ky.: American Agricultural Economics Association.)  
 (5 ref.)

3253 1981  
**Economic trade-offs and the North Carolina shrimp fishery: reply.**  
 Waters, J.R.; Easley, J.E., Jr.; Danielson, L.E.  
 American journal of agricultural economics; v. 63, (4), p. 747. Nov 1981. (Lexington, Ky.: American Agricultural Economics Association.)  
 (1 ref.)

3254 1981  
**Economic valuation of marsh areas for marine production processes (Florida).**  
 Lynne, G.D.; Conroy, P.; Prochaska, F.J.



Journal of environmental management; v. 8, (2), p. 175-186. June 1981. (London: Academic Press.)  
 NAL Call No.: HC75.E5J6  
 (26 ref.)

**3255** **1981**  
**THE ECONOMICS OF PRAWN PRODUCTION IN HAWAII.**  
 KAWAUCHI, S.  
 PROCEEDINGS OF THE SIXTH ANNUAL STUDENT SYMPOSIUM ON MARINE AFFAIRS, UNIH-SEAGRATN-MR-81-08, 68-76.  
 Aquaculture Data Base No.: 8996

**3256** **1981**  
**The effect on extended economic zones (EEZ) on world fishing production.**  
 Karnicki, Z.S.  
 Nahrung aus dem Meer. = Food from the sea; p. 19-28. ill. 1981. (New York: Springer-Verlag.)  
 NAL Call No.: TX385.N3  
 (4 ref.)

**3257** **1981**  
**Effective use of sociocultural data (for Texas and Louisiana) in fisheries management: a case study.**  
 Groth, P.G.  
 Fisheries; v. 6, (2), p. 11-16. ill. Mar/Apr 1981. (Bethesda, Md.: American Fisheries Society.)  
 NAL Call No.: SH1.F54  
 (12 ref.)

**3258** **1981**  
**Ekonomické otázky rozvoje rybníctví : studijní zpráva = Ekonomické problémy rozvoje rybníctví, obzor = Economic problems of the development of fisheries, review. CZECH.**  
 Vacek, Jan.  
 Praha: Ústav vědeckotechnických informací pro zemědělství; 1981. 68 p.: ill.; 21 cm.  
 NAL Call No.: S671.S8 1981 no.3  
 Summary in English and Russian.  
 (Studijní informace ; zemědělská ekonomika ; 1981, no. 3)  
 (Bibliography: p. 60-64.)

**3259** **1981**  
**Evaluation of fish farmers development agency programme.**  
 New Delhi: National Council of Applied Economic Research; 1981. 92 p.: ill., map; 24 cm.  
 NAL Call No.: SH107.E9  
 Spine title: Evaluation of FFDA programme.

**3260** **1981**  
**FINANCIAL ASSISTANCE FOR MARICULTURISTS.**  
 CLAYTON, L.  
 THE B.C. SHELLFISH MARICULTURE NEWSLETTER 1 (6), 1-5.  
 Aquaculture Data Base No.: 9307

**3261** **1981**  
**Financial feasibility of high density oyster culture in saltmarsh ponds with artificially prolonged tidal flows (in Narragansett Bay, Rhode Island).**  
 Walker, N.P.; Gates, J.M.

Aquaculture; v. 22, (1/2), p. 11-20. Jan 1981. (Amsterdam: Elsevier Scientific Publishing.)  
 NAL Call No.: SH1.A6  
 (3 ref.)

**3262** **1981**  
**Fishy business (Fish farming).**  
 Noel, H.S.  
 Food manufacture; v. 56, (3), p. 43, 45. ill. Mar 1981. (London: Morgan-Grampian.)  
 NAL Call No.: 389.8 F736

**3263** **1981**  
**Food Odyssey--2001. Seafoods (State of fishing industry in Australia, includes fish marketing).**  
 Townsend, D.F.  
 Food technology in Australia; v. 33, (5), p. 226, 228-229. map. May 1981. (Sydney: Council of Australian Food Technology Associations.)  
 NAL Call No.: 389.8 F7333

**3264** **1981**  
**Frozen farm-raised catfish up 30%, boom pressures packers, marketers.**  
 Quick frozen foods; v. 44, (4), p. 158-160, 162, 164, 166, 169. ill. Nov 1981. (New York: Harcourt, Brace, Jovanovich.)  
 NAL Call No.: 389.8 Q4

**3265** **1981**  
**GO AQUACULTURE YOUNG MAN - BUT GO CAREFULLY.**  
 KLEMM, R.  
 MAKAI 3 (4), 1,3.  
 Aquaculture Data Base No.: 9074

**3266** **1981**  
**INCREASING FUEL COSTS AND MARICULTURE.**  
 GUNN, R.  
 THE B.C. SHELLFISH MARICULTURE NEWSLETTER 1 (5), 10-11.  
 Aquaculture Data Base No.: 4656

**3267** **1981**  
**Innovative New York fish farm cultures, markets striped bass (Morone saxatilis).**  
 Porterfield, B.  
 Aquaculture magazine; v. 8, (1), p. 20-22. ill. Nov/Dec 1981. (Little Rock, Ark.: Briggs Associates, Inc.)  
 NAL Call No.: SH1.C65

**3268** **1981**  
**LARGE EFFORT WITH SMALL FISH BUILDS VALUABLE FLORIDA TROPICALS INDUSTRY.**  
 BELLEVILLE, B.  
 AQUACULTURE MAGAZINE 7 (4), 12-17.  
 Aquaculture Data Base No.: 8868

**3269** **1981**  
**LEASED BOTTOM AND THE MARYLAND OYSTER FISHERY.**  
 JENSEN, W.P.  
 OYSTER CULTURE IN MARYLAND 1980 - A PROCEEDINGS OF THE SECOND ANNUAL MARYLAND OYSTER CULTURE CONFERENCE, UM-SG-MAP-81-01, 117-127.  
 Aquaculture Data Base No.: 8740

**3270** **1981**

**LISTENING TO AQUACULTURE SUPPLIERS HELPS PROVIDE INDUSTRY INSIGHTS.**

ROPER, J.H.  
AQUACULTURE MAGAZINE 1982 BUYER'S GUIDE, 4,8-10, 12-13.  
Aquaculture Data Base No.: 9316

3271 1981  
**MARYLAND RESEARCHERS WORKING ON PROGRAM TO GIVE AREA OYSTER FARMING FUTURE.**  
LEWIS, J.F.  
AQUACULTURE MAGAZINE 7 (5), 32, 34-35.  
Aquaculture Data Base No.: 9155

3272 1981  
**MISSISSIPPI CRAWFISH INDUSTRY GROWING.**  
RUTZ, G.  
AQUACULTURE MAGAZINE 7 (6), 13-14.  
Aquaculture Data Base No.: 9331

3273 1981  
**NATIONAL AQUACULTURE ORGANIZATIONS — ASSOCIATIONS.**  
LYNCH, T.  
AQUACULTURE MAGAZINE 1982 BUYER'S GUIDE, 14-15.  
Aquaculture Data Base No.: 9317

3274 1981  
**Oysters and the dangers of unguarded imports: insurance for fish farmers.**  
Secretan, P.A.D.  
Fish farming international; v. 8, (1), p. 21. ill. Mar 1981. (London: Arthur J. Heighway.)  
NAL Call No.: SH151.F5

3275 1981  
**Postwar production, consumption, and prices of fish meal.**  
Vondruska, J.  
Advances in environmental science and technology; v. 11, p. 285-316. 1981. (New York: John Wiley & Sons.)  
NAL Call No.: TD180.A3  
(88 ref.)

3276 1981  
**Price, quality, lack of shipping still plague development of Third World fisheries.**  
Labon, A.  
Quick frozen foods; v. 43, (9), p. 20, 23, 25, 27-28, 30, 32. Apr 1981. (New York: Harcourt, Brace, Jovanovich.)  
NAL Call No.: 389.8 Q4

3277 1981  
**PROBLEMS WHEN EXPERTS ARGUE.**  
SECRETAN, P.A.D.  
FISH FARMING INTERNATIONAL 8 (3), 34.  
Aquaculture Data Base No.: 9211

3278 1981  
**Resource assessment of the penaeid prawn *Metapenaeus dobsoni* (Miers) along the Mangalore Coast.**  
Ramamurthy, S.; Annigeri, G.G.; Kurup, N.S.

Indian journal of fisheries; v. 25, (1/2), p. 52-66. ill. 1978 (pub. 1981). (Cochin: Indian Council of Agricultural Research.)  
NAL Call No.: SH299.I5  
(Includes 15 ref.)

3279 1981  
**RUNNING A COMMERCIAL HATCHERY.**  
WILDE, F.  
OYSTER CULTURE IN MARYLAND 1980 - A PROCEEDINGS OF THE SECOND ANNUAL MARYLAND OYSTER CULTURE CONFERENCE, UM-SG-MAP-81-01, 7-8.  
Aquaculture Data Base No.: 8730

3280 1981  
**SUPPLIERS OF THE INDUSTRY.**  
LYNCH, T.  
AQUACULTURE MAGAZINE 1982 BUYER'S GUIDE; 82-86, 88-90, 92-95.  
Aquaculture Data Base No.: 9324

3281 1981  
**Survey of commercial catfish producers - current production and marketing practices and economic implications.**  
Miller, J.S.; Conner, J.R.; Waldrop, J.E.  
AEC research report - Mississippi Agricultural and Forestry Experiment Station; (129), 20 p. Oct 1981. (Mississippi State: The Station.)  
(12 ref.)

3282 1981  
**TASMANIA LOOKING TO AQUACULTURE FOR INSHORE FISHERIES DEVELOPMENT.**  
BOWERMAN, M.  
AUSTRALIAN FISHERIES 40 (1), 48-49.  
Aquaculture Data Base No.: 9187

3283 1981  
**Technical and economic consequences of using waste heat for aquaculture (Model, fish farming).**  
Hambrey, J.  
Energy conservation and use of renewable energies in the bio-industries : proceedings of the International Seminar on Energy Conservation and the Use of Solar and other Renewable Energies in Agriculture, Horticulture, and Fishculture, held at the Polytechnic of Central London, 15-19 September 1980. International Seminar on Energy Conservation and the Use of Solar and other Renewable Energies in Agriculture, Horticulture, and Fishculture (1980 : Polytechnic of Central London); p. 217-229. ill. 1981. (Oxford: Pergamon Press.)  
NAL Call No.: TJ810.I49 1980  
(Bibliography p. 225-226.)

3284 1981  
**Technical and economic feasibility of alternative aquacultural production systems for American oysters and other bivalve mollusks in New England.**  
Amherst: Massachusetts Agricultural Experiment Station, College of Food and Natural Resources; 1981. 56 p.; 23 cm.  
NAL Call No.: 100 M38H (1) no. 668  
"June, 1981."  
(Massachusetts. Agricultural Experiment Station. Research bulletin ; no. 668)  
(Bibliography: p. 53-56.)

3285 1981  
**THE TRANSITION AND SCALE-UP OF RESEARCH RESULTS TO COMMERCIAL MARINE AQUACULTURE SYSTEMS.**



- HUGUENIN, J.E.  
**PROCEEDINGS OF THE BIO-ENGINEERING SYMPOSIUM FOR FISH CULTURE, TRAVERSE CITY, MICHIGAN, OCT.16-18, 1979, FCS OF AFS, 240-248.**  
**Aquaculture Data Base No.: 8942**
- 1980**
- 3286** **1980**  
**ABANDONED OZARK VILLAGE DEVELOPED INTO UNIQUE TROUT FEE FISHING FACILITY.**  
 LYNCH, T.  
 AQUACULTURE MAGAZINE 6 (3), 28-31.  
**Aquaculture Data Base No.: 7737**
- 3287** **1980**  
**ADMINISTRATIVE ARRANGEMENTS FOR COMMERCIAL SHRIMP FARM.**  
 MAMMEN, T.A.  
**PROCEEDINGS OF THE FIRST NATIONAL SYMPOSIUM ON SHRIMP FARMING, BOMBAY, 16-18 AUG., 1978, THE MARINE PRODUCTS EXPORT DEVELOPMENT AUTHORITY, 251-254.**  
**Aquaculture Data Base No.: 9272**
- 3288** **1980**  
**Air transport of small-scale fishermen's shrimp catches in Maranhao State, Brazil.**  
 Lisac, H.; Nordheim, A.  
 Symposium on the Development and Management of Small-Scale Fisheries : proceedings of the 19th session, Indo-Pacific Fishery Commission, Kyoto, Japan, 21-30 May 1980; p. 598-608. ill., map. 1980. (Bangkok: FAO Regional Office for Asia and the Pacific.)  
**NAL Call No.: SH1.I5**
- 3289** **1980**  
**Application of a bio-economic-engineering model for shrimp mariculture systems.**  
 Adams, C.M.; Griffin, W.L.; Nichols, J.P.; Brick, R.E.  
 Southern journal of agricultural economics; v. 12, (1), p. 135-141. July 1980. (Lexington, Ky.: Southern Agricultural Economics Assoc.)  
 (23 ref.)
- 3290** **1980**  
**AQUACULTURE CREDIT SCHEMES (FIRST PART).**  
 ENCARNACION, E.N.  
 ASIAN AQUACULTURE 3 (4), 3,7.  
**Aquaculture Data Base No.: 7889**
- 3291** **1980**  
**AQUACULTURE CREDIT SCHEMES. (SECOND IN A SERIES).**  
 ENCARNACION, E.N.  
 ASIAN AQUACULTURE 3 (5), 3,7.  
**Aquaculture Data Base No.: 7887**
- 3292** **1980**  
**The aquaculture industry of Arkansas in 1979 (Fish production).**  
 Freeze, M.; Henderson, S.
- Proceedings of the ... annual conference Southeastern Association of Fish and Wildlife Agencies; (34th), p. 115-126. 1980. ((s.l.): The Association.)  
**NAL Call No.: SK1.S6**  
 (Includes 8 ref.)
- 3293** **1980**  
**Aquaculture: catfish and trout, inventory and sales, 1980.**  
 Statistical bulletin - United States Dept. of Agriculture; (644), 11 p. Oct 1980. (Washington, D.C.: The Dept.)  
 Predominantly tables. Available from NTIS order no. PB81-134-348.
- 3294** **1980**  
**ASIAN DEVELOPMENT BANK SUPPORT FOR FISHERIES, AQUACULTURE.**  
 MACLEAN, J.L.  
 ICLARM NEWSLETTER 3 (4), 14.  
**Aquaculture Data Base No.: 8761**
- 3295** **1980**  
**BUILDING CATFISH PRODUCTION, PROCESSING BUSINESS TAKES TIME AND COMMITMENT.**  
 LYNCH, T.  
 AQUACULTURE MAGAZINE 6 (2), 39-44.  
**Aquaculture Data Base No.: 7526**
- 3296** **1980**  
**CASE STUDIES ON THE ECONOMICS OF AN IMPROVED METHOD OF PADDY FIELD SHRIMP CULTURE IN VYPEEN ISLAND, KERALA.**  
 GOPALAN, U.K.; PURUSHAN, K.S.; RAO, T.S.S.  
**PROCEEDINGS OF THE FIRST NATIONAL SYMPOSIUM ON SHRIMP FARMING, BOMBAY, 16-18 AUG., 1978, THE MARINE PRODUCTS EXPORT DEVELOPMENT AUTHORITY, 175-186.**  
**Aquaculture Data Base No.: 9263**
- 3297** **1980**  
**A CASE STUDY ON THE ECONOMICS OF INTEGRATED FARMING SYSTEMS: AGRICULTURE, AQUACULTURE AND ANIMAL HUSBANDRY IN NEPAL.**  
 RAJBANSHI, K.G.  
 ICLARM CONFERENCE PROCEEDINGS 4, INTEGRATED AGRICULTURE-AQUACULTURE FARMING SYSTEMS, MANILA, PHILIPPINES, 6-9 AUGUST 1979, 195-208.  
**Aquaculture Data Base No.: 8856**
- 3298** **1980**  
**Catfish lead industry boom.**  
 Jones, B.  
 Extension review - United States Department of Agriculture, Science and Education Administration; v. 51, (4), p. 18-19. ill. Fall 1980. (Washington, D.C.: The Administration.)  
**NAL Call No.: 1 EX892EX**
- 3299** **1980**  
**COMMERCIAL AQUACULTURE SYSTEMS FOR CRAWFISH IN THE NORTHEASTERN UNITED STATES.**  
 NOLFI, J.R.

PROCEEDINGS OF THE ELEVENTH ANNUAL MEETING, WORLD MARICULTURE SOCIETY, NEW ORLEANS, LOUISIANA, MARCH 5-8, 1980, 151-162.

Aquaculture Data Base No.: 9024

3300 1980  
Cover during transport: insurance for fish farmers. Secretan, P.A.D. Fish farming international; v. 7, (3), p. 21. Sept 1980. (London: Arthur J. Heighway.) NAL Call No.: SH151.F5

3301 1980  
CRAWFISH FARMING PROVIDES REWARDS IF DILIGENCE, INGENUITY ARE APPLIED. LAMBERT, S.S. AQUACULTURE MAGAZINE 6 (5), 14-18. Aquaculture Data Base No.: 8004

3302 1980  
CURRENT DEVELOPMENTS IN THE PENAEID SHRIMP CULTURE INDUSTRY. MCVEY, J.P. AQUACULTURE MAGAZINE 6 (5), 20-25. Aquaculture Data Base No.: 8003

3303 1980  
Demand for fish and its transportation and storage in selected cities. New Delhi: National Council of Applied Economic Research; 1980. xiii, 121 p.: maps; 25 cm. NAL Call No.: SH299.N32  
Running title: Demand, transportation, and storage of fish PL 480. (Includes bibliographical references.)

3304 1980  
An economic analysis of producing pond-raised catfish for food in Mississippi - a January 1980 update. Waldrop, J.E.; Smith, R.D. AEC research report - Mississippi State University, Dept. of Agricultural Economics, Agricultural and Forestry Experiment Station; (103), 36 p. July 1980. (Mississippi State: The Station.) (23 ref.)

3305 1980  
An economic analysis of the integrated crop-livestock-fish farming in Taiwan. Lee, C.S. Integrated crop-livestock-fish farming; p. 107-118. 1980. (Taipei, Taiwan (Agriculture Building, 14 Wen Chow Street): Food and Fertilizer Technology Center.) NAL Call No.: S603.5.I46 (13 ref.)

3306 1980  
ECONOMIC ASPECTS OF CATFISH FARMING. WALDROP, J.E.; SMITH, R.D. AQUACULTURE MAGAZINE 6 (3), 42. Aquaculture Data Base No.: 7742

3307 1980  
Economic considerations in the management of the Florida spiny lobster fishery. Prochaska, F.J.; Cato, J.C.

Fisheries; v. 5, (4), p. 53-56. ill. July/Aug 1980. (Bethesda, Md.: American Fisheries Society.) NAL Call No.: SH1.F54 (4 ref.)

3308 1980  
ECONOMIC PRODUCTION OF ESTUARY GROUPER, EPINEPHELUS SALMOIDES MAXWELL, REARED IN FLOATING NET CAGES. CHUA, T.E.; TENG, S.K. AQUACULTURE 20 (3), 187-228. Aquaculture Data Base No.: 8080

3309 1980  
AN ECONOMIC STUDY OF CATFISH CULTURE IN THAILAND. WATTANUTCHARIVA, S.; ISVILANONDA, S. ICLARM NEWSLETTER 3 (1), 5, 26. Aquaculture Data Base No.: 7777

3310 1980  
Economic trade-offs and the North Carolina shrimp fishery. Waters, J.R.; Easley, J.E., Jr.; Danielson, L.E. American journal of agricultural economics; v. 62, (1), p. 124-129. Feb 1980. (Lexington, Ky., American Agricultural Economics Association.) (12 ref.)

3311 1980  
Economic yield from marine shrimp (Penaeus brasiliensis and penaeus paulensis) production as compared with other activities (Rio de Janeiro State, Brazil). Rendimento economico da criação de camarões marinhos comparado com o de outras atividades. PORTUGUESE. Fernandes, S.G.; Cunha, H.; Thomas, J.E. Comunicado tecnico - Empresa de Pesquisa Agropecuaria do Estado do Rio de Janeiro. 10 0 Comun Tec Empresa Pesqui Agropecu Estado Rio de J; (64), 5 p. Nov 1980. (Niteroi, Brazil: PESAGRO-RIO.) NAL Call No.: S542.B7E43

3312 1980  
ECONOMICAL IMPLICATION OF SHRIMP FARMING. RAJE, P.C.; RANADE, M.R. PROCEEDINGS OF THE FIRST NATIONAL SYMPOSIUM ON SHRIMP FARMING, BOMBAY, 16-18 AUG., 1978 THE MARINE PRODUCTS EXPORT DEVELOPMENT AUTHORITY, 123-1 30. Aquaculture Data Base No.: 9254

3313 1980  
The economics and management of commercial fisheries. May, R.M. Nature; v. 287, (5784), p. 675-676. Oct 23, 1980. (London: Macmillan Journals.) NAL Call No.: 472 N21 (20 ref.)

3314 1980  
ECONOMICS OF ARTEMIA NAUPLII USE IN AQUACULTURE. PRESCOTT, S.R. PROCEEDINGS OF THE ELEVENTH ANNUAL MEETING, WORLD MARICULTURE SOCIETY, NEW ORLEANS, LOUISIANA, MARCH 5-8, 1980, 175-180. Aquaculture Data Base No.: 9026



- 3315 1980  
**ECONOMICS OF SHRIMP FARMING IN KAKINADA AREA.**  
 REDDI, D.V.  
 PROCEEDINGS OF THE FIRST NATIONAL SYMPOSIUM ON SHRIMP FARMING, BOMBAY, 16-18 AUG., 1978, THE MARINE PRODUCTS EXPORT DEVELOPMENT AUTHORITY, 139-142.  
 Aquaculture Data Base No.: 9256
- 3316 1980  
**The evolution of a commercial mussel culture operation (United States).**  
 Myers, E.A.  
 Developments in aquaculture and fisheries science; v. 7, p. 266-311. ill., map. 1980. (Amsterdam: Elsevier.)  
 NAL Call No.: SH1.D43  
 (12 ref.)
- 3317 1980  
**A FEASIBILITY STUDY ON THE PRODUCTION OF MACROBRACHIUM ROSENBERGII (GIANT MALAYSIAN PRAWN) IN NEVADA.**  
 TAYLOR, R.E.L.  
 UNIVERSITY OF NEVADA, RENO COLLEGE OF AGRICULTURE, SIERRA PACIFIC POWER COMPANY FINAL REPORT - SUMMER 1980, 1-10.  
 Aquaculture Data Base No.: 8139
- 3318 1980  
**Fishing in Sahel countries: large needs and small means. La peche dans les pays sahelien: des besoins enormes et des moyens reduits. FRENCH.**  
 Afrique agriculture; (63), p. 60-61. ill. Nov 1980. (Paris: Publiafric.)  
 NAL Call No.: S5.A35
- 3319 1980  
**GROWTH IN TASMANIAN OYSTER INDUSTRY.**  
 SUMMER, C.  
 AUSTRALIAN FISHERIES 39 (9), 11, 13, 15.  
 Aquaculture Data Base No.: 8420
- 3320 1980  
**GUARD AGAINST BAD DEBTS.**  
 SECRETAN, P.A.D.  
 FISH FARMING INTERNATIONAL 7 (1), 23.  
 Aquaculture Data Base No.: 8266
- 3321 1980  
**Insurance for fish farmers.**  
 Secretan, P.A.D.  
 Fish farming international; v. 7, (4), p. 11. ill. Dec 1980. (London: Arthur J. Heighway.)  
 NAL Call No.: SH151.F5
- 3322 1980  
**Intensive tilapia fish culture (Brazil, includes costs). Piscicultura intensiva das tilapias.**  
 Bard, J.  
 Informe agropecuario - Empresa de Pesquisa Agropecuaria de Minas Gerais; v. 6, (67), p. 24-29. July 1980. (Belo Horizonte: A Empresa.)  
 NAL Call No.: HD1875.M5E5
- 3323 1980  
**MINNESOTA BAIT FARMER CONTRIBUTES TO MULTI-MILLION DOLLAR STATE CROP.**  
 KUBISTA, I.
- AQUACULTURE MAGAZINE 6 (6), 28-30.  
 Aquaculture Data Base No.: 8155
- 3324 1980  
**N.E. AQUACULTURISTS TOLD THEY NEED CAPITAL TO MAKE A PROFIT.**  
 AVNI, J.  
 NATIONAL FISHERMAN 61 (2), 40.  
 Aquaculture Data Base No.: 7850
- 3325 1980  
**PHILIPPINE MILKFISH PRODUCTION ECONOMICS STUDY UNDERWAY.**  
 CHONG, K.-C.  
 ICLARM NEWSLETTER 3 (1), 6, 13.  
 Aquaculture Data Base No.: 7778
- 3326 1980  
**Potential and constraints of small-scale freshwater fish culture enterprises in India.**  
 Sinha, V.R.P.; Ranadhir, M.  
 Symposium on the Development and Management of Small-Scale Fisheries : proceedings of the 19th session, Indo-Pacific Fishery Commission, Kyoto, Japan, 21-30 May 1980; p. 526-538. 1980. (Bangkok: FAO Regional Office for Asia and the Pacific.)  
 NAL Call No.: SH1.I5  
 (8 ref.)
- 3327 1980  
**Preliminary analysis of the operational costs of lobster fisheries on the northeastern coast of Brazil. Analise preliminar dos custos operacionais das pescarias de lagostas na costa do nordeste do Brasil. PORTUGUESE.**  
 Costa, R.S. da.; Ferreira, C.R. de C.  
 Ciencia agronomica; v. 10, (1), p. 125-136. Jan/June 1980. (Fortaleza: Centro de Ciencias Agrarias da Universidade Federal do Ceara.)  
 NAL Call No.: S192.C4C5  
 (13 ref.)
- 3328 1980  
**PRIVATE MARINE AQUACULTURE SURVEY FOR WASHINGTON STATE.**  
 WESTLEY, R.E.; ROBINSON, M.S.  
 U.S. DEPARTMENT OF COMMERCE, NOAA, NMFS, PROJECT COMPLETION REPORT FOR SEPT.1., 1980 - DEC.31, 1980, 17 PP.  
 Aquaculture Data Base No.: 8951
- 3329 1980  
**PRODUCTION OPTIMIZATION AND ECONOMIC ANALYSIS OF AN OYSTER (CRASSOSTREA VIRGINICA) HATCHERY ON THE CHESAPEAKE BAY, MARYLAND, USA.**  
 LIPSCHULTZ, F.; KRANTZ, G.E.  
 PROCEEDINGS OF THE ELEVENTH ANNUAL MEETING, WORLD MARICULTURE SOCIETY, NEW ORLEANS, LOUISIANA, MARCH 5-8, 1980, 580-591.  
 Aquaculture Data Base No.: 9069
- 3330 1980  
**A redescription of Caligus patulus wilson, 1937 (Copepoda: Calididae) from a fish farm in the Philippines.**  
 Jones, J.B.

Systematic parasitology; v. 2, (1), p. 103-116. ill. Dec 1980. (Haag: Junk.)  
 NAL Call No.: QL757.A1S9  
 (10 ref.)

3331 1980

Research increases profits for shrimp industry (New methods of handling Pacific shrimp before they are peeled and processed).  
 Bottom, J.  
 Sea grant today; v. 10, (6), p. 3-4. ill. Nov/Dec 1980. (Blacksburg: Virginia Polytechnic Institute and State University.)  
 NAL Call No.: GC1015.S4

3332 1980

Saemaul Undong (new community movement) in fishing communities (Korea).  
 Symposium on the Development and Management of Small-Scale Fisheries : proceedings of the 19th session, Indo-Pacific Fishery Commission, Kyoto, Japan, 21-30 May 1980; p. 585-597. ill. 1980. (Bangkok: FAO Regional Office for Asia and the Pacific.)  
 NAL Call No.: SH1.I5

3333 1980

SCIENCE AND HARD WORK BUILD TROUT BUSINESS.  
 BOWERMAN, M.  
 AUSTRALIAN FISHERIES 39 (6), 10-11.  
 Aquaculture Data Base No.: 8416

3334 1980

Seminole tribe of Florida looks to commercial production of catfish.  
 Aquaculture magazine; v. 6, (6), p. 49-50. ill. Sept/Oct 1980. (Little Rock, Ark.: Briggs Associates, Inc.)  
 NAL Call No.: SH1.C65

3335 1980

Socioeconomic considerations in small-scale marine fisheries development and management.  
 Yap, C.L.  
 Agricultural administration; v. 8, (1), p. 65-77. ill. Dec 1980. (Barking, Essex: Applied Science Publishers.)  
 NAL Call No.: S3.A32  
 (24 ref.)

3336 1980

Some economics of mussel culture and harvest (*Mytilus edulis*).  
 Clifton, J.A.  
 Developments in aquaculture and fisheries science; v. 7, p. 312-338. ill. 1980. (Amsterdam: Elsevier.)  
 NAL Call No.: SH1.D43  
 (6 ref.)

3337 1980

STAFFING OF AQUACULTURE BUSINESS PROJECTS. PART 1.  
 DELOS SANTOS, C., JR.  
 ASIAN AQUACULTURE 3 (7), 4-8.  
 Aquaculture Data Base No.: 8031

3338 1980

STRATEGY FOR THE DEVELOPMENT OF COMMERCIAL SHRIMP FARMING IN KERALA.  
 KUMARADAS, P.S.

PROCEEDINGS OF THE FIRST NATIONAL SYMPOSIUM ON SHRIMP FARMING, BOMBAY, 16-18 AUG., 1978, THE MARINE PRODUCTS EXPORT DEVELOPMENT AUTHORITY, 237-241.  
 Aquaculture Data Base No.: 9270

3339 1980

SYSTEMS ANALYSIS FOR LOBSTER AQUACULTURE.  
 JOHNSTON, W.E.; BOTSFORD, L.W.  
 SYMPOSIUM ON NEW DEVELOPMENTS IN THE UTILIZATION OF HEATED EFFLUENTS AND OF RECIRCULATION SYSTEMS FOR INTENSIVE AQUACULTURE, 11TH SESSION, STAVANGER, NORWAY, 28-30 MAY, 1980, 1-16.  
 Aquaculture Data Base No.: 8022

1979

3340 1979

AQUACULTURE IN COLOMBIA: ECONOMIC FEASIBILITY AND SOME ALTERNATIVES FOR DEVELOPMENT.  
 RUIZ RUBIO, L.E.  
 AUBURN UNIVERSITY. MASTERS THESIS, 1-66.  
 Aquaculture Data Base No.: 7112

3341 1979

AQUACULTURE SITING ISSUES IN WASHINGTON'S COASTAL ZONE.  
 EVANS, N.  
 UNIVERSITY OF WASHINGTON, COASTAL RESOURCES PROGRAM, INSTITUTE FOR MARINE STUDIES, 1-24.  
 Aquaculture Data Base No.: 7569

3342 1979

CATFISH INDUSTRY COMES OF AGE.  
 LAMBERT, S.S.  
 AQUACULTURE MAGAZINE 5 (6), 10-14.  
 Aquaculture Data Base No.: 7124

3343 1979

Commercial fish production in the Great Lakes 1867-1977.  
 Baldwin, Norman S.  
 Ann Arbor, Mich: Great Lakes Fishery Commission; 1979. vii, 187 p.: ill., maps; 23 cm.  
 NAL Call No.: SH211.G7 No.3  
 (Great Lakes Fishery Commission. Technical report ; no. 3)

3344 1979

Commercial fishing activity and facility needs in Florida; Dade and Monroe Counties : a report.  
 Mathis, Kary.  
 Gainesville: Florida Agricultural Market Research Center, Food and Resource Economics Department, Institute of Food and Agricultural Sciences, University of Florida; 1979. 68 p.: ill.; 28 cm.  
 NAL Call No.: HD1775.F6F6 No.79-3  
 A research project conducted for the Gulf and South Atlantic Fisheries Development Foundation, Inc. and the Florida Sea Grant Tables.  
 (Florida Agricultural Market Research Center. Industry report ; 79-3)  
 (Bibliography: p. 67-68.)

3345 1979

Commercial fishing activity and facility needs in Florida; Hillsborough, Manatee, Pasco, Pinellas, and Sarasota counties : a report.



- Mathis, Kary.  
Gainesville: Florida Agricultural Market Research Center, The Food and Resource Economics Department, Institute of Food and Agricultural Sciences, University of Florida; 1979. xi, 119 p.: ill., maps; 28 cm.  
NAL Call No.: HD1775.F6F6 No.79-4  
A research project conducted for the Gulf and South Atlantic Fisheries Development Foundation, Inc. and Florida Sea Grant.  
(Florida Agricultural Market Research Center. Industry report ; 79-4)  
(Bibliography: p. 118-119.)
- 3346 1979  
Commercial fishing activity and facility needs in Florida, Brevard, Broward, Indian River, Martin, Palm Beach, St. Lucie, and Volusia Counties : a report.  
Mathis, Kary.  
Gainesville: Florida Agricultural Market Research Center, Food and Resource Economics Department, Institute of Food and Agriculture Sciences, University of Florida; 1979. 147 p.; 28 cm.  
NAL Call No.: HD1775.F6F6 No.79-1  
Chiefly tables.  
(Florida Agricultural Market Research Center. Industry report ; 79-1)  
(Bibliography: p. 146-147.)
- 3347 1979  
Economic and managerial aspects of trout farming.  
Goddard, J.S.  
Farm management; v. 4, (1), p. 19-25. Winter 1979/1980. (London: Centre for Farm Management.)  
NAL Call No.: S560.F37  
(3 ref.)
- 3348 1979  
Economic and social aspects of fishery policies. Economische en maatschappelijke aspecten van het visserijbeleid. DUTCH.  
Rijneveld, R.; Smit, J.G.P.  
Landbouwkundig tijdschrift; v. 91, (11), p. 311-316. map. Nov 1979. (Wageningen: Koninklijk Genootschap voor Landbouwwetenschap.)  
NAL Call No.: 105.2 OR3  
(10 ref.)
- 3349 1979  
THE ECONOMIC IMPACT OF A HUMBOLDT BAY SALMON RELEASE AND RECAPTURE FACILITY.  
GRUEN, C.  
GRUEN GRUEN — ASSOCIATES (REPORT), 74 PP.  
Aquaculture Data Base No.: 8017
- 3350 1979  
ECONOMICS OF AQUATIC TREATMENT SYSTEMS.  
CRITES, R.W.  
AQUACULTURE SYSTEMS FOR WASTEWATER TREATMENT, SEMINAR PROCEEDINGS AND ENGINEERING ASSESSMENT, EPA 430/9-80-006, 475-485.  
Aquaculture Data Base No.: 9104
- 3351 1979  
Establishing a trout-marketing cooperative.  
Goff, J.L.; Dutrow, R.W.; Williams, R.  
Farmer cooperative research report - United States Dept. of Agriculture, Economics, Statistics, and Cooperatives Service; (12), 40 p. Aug 1979. (Washington, D.C.: The Service.)
- 3352 1979  
FRESHWATER PRAWN FARMING IN TAIWAN - THE PATTERNS, PROBLEMS AND PROSPECTS.  
CHAO, N.-H.  
PROCEEDINGS OF THE 10TH ANNUAL MEETING, WMS, HONOLULU, HAWAII, JAN.22-26, 1979, 51-67.  
Aquaculture Data Base No.: 7916
- 3353 1979  
MARICULTURE AND THE COMPATIBILITY OF MULTIPLE USER INTERESTS.  
MULLER, W.A.  
PROCEEDINGS OF THE SYMPOSIUM ON MARICULTURE IN NEW YORK STATE. SOUTHAMPTON, NEW YORK, OCTOBER 22, 1977. NEW YORK SEA GRANT INSTITUTE NYSGI-RP-79-01. 89-92.  
Aquaculture Data Base No.: 7180
- 3354 1979  
THE NEW ALCHEMISTS.  
TODD, J.H.  
THE COMMERCIAL FISH FARMER AND AQUACULTURE NEWS 5 (3), 24-28.  
Aquaculture Data Base No.: 6541
- 3355 1979  
PROSPECTS FOR COMMERCIAL AQUACULTURE OF CRAYFISH IN VERMONT.  
NOLFI, J.R.  
PRESENTED, 35TH N.E. FISH AND WILDLIFE CONFERENCE, N.E. SECTION, AFS, PROVIDENCE, R.I., APRIL 1979, 1-15.  
Aquaculture Data Base No.: 7565
- 3356 1979  
RED TAPE VERSUS GREEN LIGHT.  
GIBSON, R.T.  
THE COMMERCIAL FISH FARMER AND AQUACULTURE NEWS 5 (4), 12-14.  
Aquaculture Data Base No.: 6700
- 3357 1979  
RISK MANAGEMENT AND HEALTH SAFETY AT WORK.  
SECRETAN, P.A.D.  
FISH FARMING INTERNATIONAL 6 (4), 28, 30.  
Aquaculture Data Base No.: 8186
- 3358 1979  
Svensk matfiskodling ; ekonomi och marknad = Fishfarming for human consumption in Sweden ; economy and market. SWEDISH.  
Cedrins, Rainis.  
Uppsala: Sveriges lantbruksuniversite, Institutionen for ekonomi och; \_ 1979. 129 p.  
NAL Call No.: HD2017.U62 no.156  
English summary.  
(Sveriges lantbruksuniversitet. Institutionen for ekonomi och statistik. Rapport ; 156)  
(Bibliography: p. 127-129.)
- 3359 1979  
THE TECHNICAL AND COMMERCIAL ASPECTS OF THE GOLDFISH INDUSTRY.

NEILS, K.E.  
 AQUACULTURE MAGAZINE 6 (1), 22-26.  
 Aquaculture Data Base No.: 7329

3360 1979  
**A VIEW THROUGH THE PORTHOLE BY A COMMERCIAL FISHERMAN.**  
 MILLER, R.C.  
 PROCEEDINGS OF THE SYMPOSIUM ON MARICULTURE IN NEW YORK STATE. SOUTHAMPTON, NEW YORK, OCTOBER 22, 1977. NEW YORK SEA GRANT INSTITUTE NYSGI-RP-79-01, 74-75.  
 Aquaculture Data Base No.: 7184

1978

3361 1978  
**AQUACULTURE IN THE UNITED STATES. CONSTRAINTS AND OPPORTUNITIES. CHAPTER III. ECONOMICS AND BUSINESS.**  
 WALSH, D.  
 NATIONAL ACADEMY OF SCIENCES, 58-73.  
 Aquaculture Data Base No.: 6409

3362 1978  
**AQUACULTURE POTENTIALS IN THE GREAT LAKES.**  
 GREENE, G.F., JR.  
 DRUGS AND FOOD FROM THE SEA, MYTH OR REALITY? 393-401. THE UNIVERSITY OF OKLAHOMA, NORMAN, OKLAHOMA.  
 Aquaculture Data Base No.: 7084

3363 1978  
**Bangus production cost by type of climate.**  
 Guerrero, C. V.; Darrah, L. B.  
 Diliman, Quezon City: Special Studies Division, Planning Service, Office of the Secretary, Dept. of Agriculture; 1978. 18 leaves: ill.; 28 cm.  
 NAL Call No.: HF5716.F35G82  
 Cover title Reprint. Originally published: Quezon City: Special Studies Division, Planning Service, Office of the Secretary, Dept. of Agriculture, 1974.

3364 1978  
**Bioeconomic modeling of the gulf shrimp fishery: an application to Galveston Bay and adjacent offshore areas.**  
 Blomo, V; Stokes, K; Griffin, W; Grant, W; Nichols, J.  
*South J Agric Econ.* 10(1): 119-125. ref. Jul 1978. .)  
 NAL Call No.: HD101.S6  
 AGE.

3365 1978  
**BREEDING AND REARING OF MARINE PRAWNS. BACKGROUND PAPERS 17. HARVESTING AND MARKETING OF CULTURED PRAWNS.**  
 KATHIRVEL, M.  
 CENTRAL MARINE FISHERIES RESEARCH INSTITUTE. SPECIAL PUBLICATION NO. 3, 121-127.  
 Aquaculture Data Base No.: 6404

3366 1978  
**CLAM MARICULTURE BELIEVED PRACTICAL IN SOUTH CAROLINA.**  
 GETCHELL, D.R.

NATIONAL FISHERMAN 59 (7), 153.  
 Aquaculture Data Base No.: 6128

3367 1978  
**Commercial fishing port development in North Florida : a report.**  
 Mathis, Kary.  
 Gainesville: Florida Agricultural Market Research Center, Food and Resource Economics Department, Institute of Food and Agricultural Sciences, University of Florida; 1978. xix, 222 p.: ill., maps; 28 cm.  
 NAL Call No.: HD1775.F6F6 No.78-6  
 (Florida Agricultural Market Research Center. Industry report ; 78-6)  
 (Bibliography: p. 222.)

3368 1978  
**Concepts of value for marine recreational fishing.**  
 Dwyer, J.F.; Bowes, M.D.  
 American journal of agricultural economics; v. 60, (5), p. 1008-1012. Dec 1978. (Lexington, Ky., American Agricultural Economics Association.)  
 (22 ref.)

3369 1978  
**COSTS AND RETURNS FOR MACROBRACHIUM GROW-OUT IN SOUTH CAROLINA, U.S.A.**  
 ROBERTS, K.J.; BAUER, L.L.  
 AQUACULTURE 15 (4), 383-390.  
 Aquaculture Data Base No.: 6328

3370 1978  
**DOES SALMONID AQUACULTURE REALLY PAY.**  
 GATES, J.M.  
 RHODE ISLAND RESOURCES 24 (2), 12-13.  
 Aquaculture Data Base No.: 4925

3371 1978  
**An economic analysis of producing pond-raised catfish for food in Mississippi [Cost and return planning].**  
 Burke, R L; Waldrop, J E.  
*Bull Miss Agric For Exp Stn.* 870, 25 p. Ref. July 1978. .)  
 NAL Call No.: S79.E3

3372 1978  
**Economic evaluation of research and development in aquaculture ;; Larval growing. HEB.**  
 Rymon, Dan.  
 Bet Dagan, Israel : Agricultural Research Organization, Division of Research Economics,. 1978. 44 p. .  
 NAL Call No.: S543.A35A35 No.111  
 (Agricultural Research Organization. Division of Scientific Publications. Special publication ; no. 111)  
 (English summary. Bibliography: p. 43-44.)

3373 1978  
**Economics of fisheries : an introduction.**  
 Hannesson, Rognvaldur.  
 Bergen: Universitetsforlaget; New York - Distribution office: Columbia University Press - 1978. 156 p.: ill.; 22 cm.  
 NAL Call No.: SH328.H35  
 Includes index.  
 (Bibliography: p. 147-150.)

3374 1978  
**ECONOMICS, ECOLOGY, APPROPRIATE TECHNOLOGIES AND SMALL-SCALE AQUACULTURE: A BRIEF PERSONAL STATEMENT.**



TODD, J.H.  
 THE COMMERCIAL FISH FARMER AND  
 AQUACULTURE NEWS 4 (6), 6-7.  
 Aquaculture Data Base No.: 4908

3375 1978  
**EELS BRIGHT PROSPECTS FOR FARMING IN EUROPE.**  
 LIEWES, E.W.  
 FISH FARMING INTERNATIONAL 5 (3), 8-13.  
 Aquaculture Data Base No.: 6013

3376 1978  
**EFFECTS OF THE COSTS IMPOSED BY THE REGULATORY PERMIT PROCESS ON CALIFORNIA'S COASTAL AQUACULTURE INDUSTRY.**  
 FELDMAN, L.G.  
 UNIVERSITY OF CALIFORNIA, SEA GRANT COLLEGE PROGRAM, CENTER FOR COASTAL MARINE STUDIES, SPECIAL PUBLICATION NUMBER 9, 1-110.  
 Aquaculture Data Base No.: 7873

3377 1978  
**Estimated net economic benefits to visitors of selected Columbia River fish hatcheries.**  
 Larson, Douglas M.  
 Corvallis : Agricultural Experiment Station, Oregon State University, 1978. iv, 44 p. -.  
 NAL Call No.: 100 Or3M No.515  
 (Oregon. Agricultural Experiment Station. Special report ; 515)  
 (This report was supported by contract no. 03-6-208-35440, National Oceanic and Atmospheric Administration, funded by the Columbia River Program Office, National Marine Fisheries Service, Portland, Oregon. Bibliography: p. 29-30.)

3378 1978  
**FAMILY-SCALE AQUACULTURE IN COLOMBIA AND SALMON FARMING IN ALASKA ON A LOW BUDGET.**  
 MCCLARNEY, B.  
 THE COMMERCIAL FISH FARMER AND  
 AQUACULTURE NEWS 4 (6), 28-30.  
 Aquaculture Data Base No.: 4913

3379 1978  
**THE FEASIBILITY OF FARMING MACROBRACHIUM IN DOMINICA, WEST INDIES.**  
 NEW, M.B.; SANDERS, S.; BROWN, R.L.; COLE, R.C.  
 PROCEEDINGS OF THE NINTH ANNUAL WORKSHOP WORLD MARICULTURE SOCIETY. ATLANTA, GEORGIA. 67-82.  
 Aquaculture Data Base No.: 6482

3380 1978  
**FISH FARMING HAZARDS CAN BE EXPENSIVE.**  
 SECRETAN, P.A.D.  
 FISH FARMING INTERNATIONAL 5 (3), 29.  
 Aquaculture Data Base No.: 6018

3381 1978  
**THE FISHERIES OF THE GANGA RIVER SYSTEM IN THE CONTEXT OF INDIAN AQUACULTURE.**  
 JHINGRAN, A.G.; GHOSH, K.K.

AQUACULTURE 14 (2), 141-162.  
 Aquaculture Data Base No.: 4687

3382 1978  
**Future of Japan fishery ; a subject of the new oceanic era. Ashita no Nihon suisangyo : shin kaiyo jidai he no kadai. JAPANESE.**  
 Nakadate, Ko.; Yoshiki, Takeichi  
 Tokyo: Kaibundo; Showa 53 (1978). 2, 4, 267 p.: ill.; 21 cm.  
 NAL Call No.: SH334.N3  
 (Bibliography: p. 266-267.)

3383 1978  
**IMPLICATIONS OF GROWTH AND METABOLIC RATES ON COSTS OF AQUACULTURE.**  
 BOTSFORD, L.W.; GOSSARD, T.W.  
 PROCEEDINGS OF THE NINTH ANNUAL WORKSHOP WORLD MARICULTURE SOCIETY. ATLANTA, GEORGIA. 413-423.  
 Aquaculture Data Base No.: 6512

3384 1978  
**MAKING AQUACULTURE PAY.**  
 CORNELL, C.  
 NATIONAL FISHERMAN 58 (13), 124-127.  
 Aquaculture Data Base No.: 4638

3385 1978  
**NEED AND USE OF LOW TECHNOLOGY AQUACULTURE.**  
 CASTAGNA, M.  
 REPORT OF THE CONFERENCE ON MARINE RESOURCES OF THE COASTAL PLAINS STATES, DEC. 8-9, 1977, WILLIAMSBURG, VA., 59-60.  
 Aquaculture Data Base No.: 7283

3386 1978  
**THE OCEAN RESOURCE CHALLENGE.**  
 HALL, E.N.  
 PROCEEDINGS OF MARINE PLANT BIOMASS OF THE PACIFIC NORTHWEST COAST SYMPOSIUM, MARCH 2, 1977, GLENEDON BEACH OREGON, 357-376.  
 Aquaculture Data Base No.: 7263

3387 1978  
**THE OYSTER INDUSTRY OF VIRGINIA: ITS STATUS, PROBLEMS AND PROMISE.**  
 HAVEN, D.S.; HARGIS, W.J., JR.; KENDALL, P.C.  
 VIRGINIA INSTITUTE OF MARINE SCIENCE, SPECIAL PAPERS IN MARINE SCIENCE NO. 4, 1024P.  
 Aquaculture Data Base No.: 6958

3388 1978  
**PERSPECTIVES FOR MEDITERRANEAN FISHERIES AND AQUACULTURE.**  
 ZEI, M.  
 OCEAN MANAGEMENT 3 (3-4), 219-233.  
 Aquaculture Data Base No.: 7204

3389 1978  
**Pond-raised catfish: economists estimate total and per pound costs.**

*M A F E S Res Highlights (Miss Agric For Exp Stn).*  
41 (8): 2-3. Aug 1978. )  
NAL Call No.: 100 M69MI

3390 1978  
The role of economic models in evaluating commercial fishery resources.  
Harris, C.C. Jr.; Norton, V.J.  
American journal of agricultural economics; v. 60, (5), p. 1013-1019. Dec 1978. (Lexington, Ky., American Agricultural Economics Association.)  
(5 ref.)

3391 1978  
SEWAGE EFFLUENTS AND WASTES COULD REDUCE CONSUMER PRICES.  
CROSS, D.  
WORLD FISHING 27 (2), 27, 29.  
Aquaculture Data Base No.: 4553

3392 1978  
UNITED STATES MARICULTURE DEVELOPMENT AND THE ECONOMIC EVOLUTION OF CATFISH SYSTEMS AS PARADIGMS OF RELEVANCE.  
ROBERTS, K.; BAUER, L.  
PROCEEDINGS OF THE NINTH ANNUAL WORKSHOP WORLD MARICULTURE SOCIETY. ATLANTA, GEORGIA. 375-382.  
Aquaculture Data Base No.: 6509

3393 1978  
5 TECHNICIANS FORM AQUATIC FARMS, LTD.  
BURZELL, L.A.  
THE COMMERCIAL FISH FARMER AND AQUACULTURE NEWS 4 (3), 20-23.  
Aquaculture Data Base No.: 4549

1977

3394 1977  
Budgeting for selected aquacultural enterprises.  
Crawford, K W; McCoy, E W.  
*Bull Agric Exp Stn Auburn Univ.* 495, 51 p. Oct 1977. )  
NAL Call No.: 100 AL1S (1)

3395 1977  
A COMMERCIAL TILAPIA, TILAPIA MOSSAMBICA, HATCHERY FOR HAWAIIAN SKIPJACK TUNA, KATSUWONUS PELAMIS, FISHERY-COST ANALYSIS AND PROBLEMATICAL STUDY.  
CRUMLEY, B.L.  
NOAA TECHNICAL REPORT NMFS CIRC-408. 137-148.  
Aquaculture Data Base No.: 4892

3396 1977  
AN ECONOMIC ANALYSIS OF EEL FARMING IN NORTH CAROLINA.  
EASLEY, J.E., JR.; FREUND, J.N.  
NORTH CAROLINA STATE UNIVERSITY. UNIVERSITY OF NORTH CAROLINA SEA GRANT PROGRAM. UNC-SG-77-16, 1-21.  
Aquaculture Data Base No.: 4655

3397 1977  
An economic evaluation of aquaculture in Ontario.

Lerner, A.  
*Can J Agric Econ.* 25(1): 74-79. Feb 1977. )  
NAL Call No.: 281.8 C16  
AGE.

3398 1977  
Economics of the fishing industry of the USSR.  
Ekonomika rybnoi promyshlennosti SSSR. RUSSIAN.  
Sysoev, Nikolai Petrovich.  
Moskva (113035, Moskva, M-35, 1-i Kadashevskii per., 12): Pishchevaia promyshlennost; - 1977. 469 p.: ill., map; 22 cm.  
NAL Call No.: SH283.S92 1977  
"Dopushcheno ... v kachestve uchebnika dlia studentov vysshikh uchebnykh zavedenii obuchaiushchikhsia po spetsial nostiam No. 1718, No. 1737. Includes index.  
(Bibliography: p. 460-(464))

3399 1977  
Estimated costs and benefits of water supply improvements at the Little White Salmon National Fish Hatchery.  
Brown, William G.  
Corvallis : Agricultural Experiment Station, Oregon State University,. 1977. 23 p. -.  
NAL Call No.: 100 Or3M No.487  
(Oregon. Agricultural Experiment Station. Special report ; 487)  
(Cover title. Includes bibliographies.)

3400 1977  
FINANCIAL BUDGET FOR A PERCH FINGERLING PRODUCTION OPERATION.  
SODERBERG, R.W.  
UNIVERSITY OF WISCONSIN SEA GRANT PROGRAM ADVISORY REPORT 421, 63-69.  
Aquaculture Data Base No.: 6268

3401 1977  
FISH CULTURE: PROBLEMS AND PROSPECTS.  
WEATHERLEY, A.H.; COGGER, B.M.G.  
SCIENCE 197 (4302), 427-430.  
Aquaculture Data Base No.: 4904

3402 1977  
On the facilitative role of the economist in economic development--case study of a Georgia shrimp harbor investment.  
Miller, B R; Ersoz, A; North, R M.  
*South J Agric Econ.* 9(2): 43-48. Dec 1977. )  
NAL Call No.: HD101.S6  
AGE.

3403 1977  
OPPORTUNITIES FOR CRAWFISH IN CRUSTACEAN AQUACULTURE.  
HUNER, J.V.  
FEEDSTUFFS 49 (14), 18-19.  
Aquaculture Data Base No.: 4292

3404 1977  
Preparation of financial budget for fish production, catfish production in areas with level land & adequate ground water [Costs and returns].  
McCoy, E W; Boutwell, J L.



MARKETING AND ECONOMICS

*Circ Agric Exp Stn Auburn Univ.* 233, 48 p. Mar 1977. )  
NAL Call No.: 100 AL1S (2)

3405 1977  
THE PRODUCTION ECONOMICS OF FRESHWATER PRAWN (MACROBRACHIUM ROSENBERGII) FARMING IN HAWAII. SHANG, Y.C.; FUJIMURA, T. AQUACULTURE 11 (2), 99-110. Aquaculture Data Base No.: 4183

3406 1977  
RESPONSE OF COSTS AND RETURNS TO ALTERNATIVE FEED PRICES AND CONVERSIONS IN AQUACULTURE SYSTEMS. EASLEY, J.E., JR. MARINE FISHERIES REVIEW 39 (5), 15-17. Aquaculture Data Base No.: 9571

3407 1977  
World fish farming ;; Cultivation and economics. Brown, E Evan. Westport, Conn. : AVI Pub. Co., 1977. ix, 397 p. : ill. ; 24 cm. NAL Call No.: SH135.B76 (Includes bibliographical references and index.)

1976

3408 1976  
Analyzing a new marine business. Smith, F J. *Sea Grant S G Oreg State Univ Mar Adv Program.* 34, 8 p. Nov 1976. ) NAL Call No.: SH222.A107 AGE.

3409 1976  
Aquacultural economics bibliography. Vondruska, John. [Washington] : U.S. Dept. of Commerce, National Oceanic and Atmospheric Admin., National Marine Fisheries Serv., 1976. 123 p. -. NAL Call No.: SH1.U5 No.703 (U.S. National Marine Fisheries Service. NOAA technical report NMSF SSRF ; 703) (Includes index.)

3410 1976  
AQUACULTURE AND INTEGRATED RURAL DEVELOPMENT. GERHARDSSEN, G.M. FAO TECHNICAL CONFERENCE ON AQUACULTURE, FIR,AQ/CONF/76/R.21. 27P. Aquaculture Data Base No.: 2927

3411 1976  
Aquaculture economics research needs; report from a workshop to identify aquaculture economics research needs, Atlanta, Georgia -- April 23, 1976. Smith, F J; Roberts, K J. Charleston, SC, S. C. Marine Res Ctr S. C. Sea Grant Pgm, Tech Rep 5. Aug 1976. 43 p. NAL Call No.: 77.910971 AGE.

3412 1976  
THE AQUACULTURE INDUSTRY IN JAPAN, ITS PRESENT AND FUTURE.

FURUKAWA, A. FAO TECHNICAL CONFERENCE ON AQUACULTURE, KYOTO, JAPAN. FIR, AQ/CONF/76/E.71. 9P. Aquaculture Data Base No.: 3611

3413 1976  
AN ASSESSMENT OF THE FISHPOND TECHNOLOGY AND MANAGEMENT IN THE PRODUCTION OF MILKFISH (BANGOS) IN THE PHILIPPINES. AREA AND TYPE OF OWNERSHIP. LIBRERO, A.R.; NICOLAS, E.S.; VASQUEZ, E.O.; NAZARENO, A.M. SEAFDEC-PCARR RESEARCH PROGRAM. RESEARCH PAPER SERIES NO. 4. 21-25. Aquaculture Data Base No.: 3585

3414 1976  
Can we afford aquaculture? [Industries]. Conklin, D E. *Prof Nutr.* 8 (3): 3-7. Summer 1976. ) NAL Call No.: SF95.A1P7

3415 1976  
CATFISH FARMING. HOW TO MAKE IT A PROFITABLE OPERATION. DILLARD, J.; ANTHONY, H.; WILLIAMSON, J.; HARRISON, C. THE COMMERCIAL FISH FARMER AND AQUACULTURE NEWS 2 (3), 9-15. Aquaculture Data Base No.: 3010

3416 1976  
COOPERATIVE ECONOMICS OF AQUACULTURE IN CAGES, RACEWAYS AND ENCLOSURES. COLLINS, R.A.; DELMENDO, M.N. FAO TECHNICAL CONFERENCE ON AQUACULTURE. FIR/AQ/CONF/76/R.37. 11P. Aquaculture Data Base No.: 2855

3417 1976  
COSTS AND BENEFITS OF PUBLIC AQUACULTURE PROGRAMS. NESS, H. ALASKA SEA GRANT REPORT 76-2. CONFERENCE ON SALMON AQUACULTURE AND THE ALASKAN FISHING COMMUNITY. 257-261. Aquaculture Data Base No.: 2738

3418 1976  
Costs and returns of alternative mountain trout production facilities. Easley, J E, Jr. *Econ Inf Rep N C State Univ Dep Econ Bus.* 46, 29 p. Jun 1976. ) NAL Call No.: HD1775.N8E35 AGE.

3419 1976  
CREDIT FOR AQUACULTURE. HAMLISCH, R. FAO TECHNICAL CONFERENCE ON AQUACULTURE KYOTO, JAPAN. 12P. Aquaculture Data Base No.: 2739

3420 1976  
DEVELOPMENT OF VERTICALLY-INTEGRATED FISH FARMING IN EUROPE.

CRACKNELL, T.J.  
 FAO TECHNICAL CONFERENCE ON  
 AQUACULTURE, KYOTO, JAPAN. FIR,  
 AQ/CONF/76/R.39. 7P.  
 Aquaculture Data Base No.: 2915

3421 1976  
 THE ECONOMICS OF KURUMA-EBI (PENAEUS  
 JAPONICUS) SHRIMP FARMING.  
 HIRASAWA, Y.; WALFORD, J.  
 FAO TECHNICAL CONFERENCE ON  
 AQUACULTURE. FIR/AQ/CONF/76/R.27. 21P.  
 Aquaculture Data Base No.: 2852

3422 1976  
 THE ECONOMICS OF VARIOUS MANAGEMENT  
 TECHNIQUES FOR POND CULTURE OF FINFISH.  
 RABANAL, H.R.; SAANG, Y.C.  
 FAO TECHNICAL CONFERENCE ON  
 AQUACULTURE. FIR/AQ/CONF/76/R.22. 27P.  
 Aquaculture Data Base No.: 2695

3423 1976  
 ENERGY DEMANDS OF AQUACULTURE - A  
 WORLDWIDE SURVEY.  
 EDWARDSON, W.  
 FISH FARMING INTERNATIONAL 3 (4), 10-13.  
 Aquaculture Data Base No.: 4117

3424 1976  
 An evaluation of the P.A.C.L.E. Oyster Farm Project in  
 Kent County : The Oyster Producers' Cooperative of  
 Bouctouche, Ltd. Evaluation du projet P.A.C.L.E.  
 d'ostreiculture de Kent : La cooperative des producteurs  
 d'huitres de Bouctouche limtee. FRENCH.  
 Allain, Greg.  
 Moncton: Departement de sociologie, Ecole des sciences  
 sociales et du comportement, Universite de Moncton;  
 1976. 76 leaves: ill.; 1976.  
 Includes statistical annexes.  
 (Bibliography: leaf 51.)

3425 1976  
 AN EXAMINATION OF PROBLEMS AND  
 POTENTIALS FOR FUTURE LARGE-SCALE  
 INTENSIVE SEAWEED CULTURE SYSTEMS.  
 HUGUENIN, J.E.  
 AQUACULTURE 9, 313-342.  
 Aquaculture Data Base No.: 3720

3426 1976  
 FISH PRODUCTION COSTS USING  
 ALTERNATIVE SYSTEMS AND THE ECONOMIC  
 ADVANTAGES OF DOUBLE-CROPPING.  
 BROWN, E.E.  
 FAO TECHNICAL CONFERENCE ON  
 AQUACULTURE. FIR/AQ/CONF/76/E.54. 6P.  
 Aquaculture Data Base No.: 2865

3427 1976  
 INSURANCE AND RISK MANAGEMENT FOR THE  
 AQUACULTURE INDUSTRY.  
 SECRETAN, P.A.D.  
 FAO TECHNICAL CONFERENCE ON  
 AQUACULTURE. FIR/AQ/CONF/76/E.55. 11P.  
 Aquaculture Data Base No.: 2817

3428 1976  
 POTENTIAL FOR SALMON AQUACULTURE IN  
 ALASKA.

MCNEIL, W.J.  
 ALASKA SEA GRANT PROGRAM. CONFERENCE  
 ON SALMON AQUACULTURE AND THE  
 ALASKAN FISHING COMMUNITY, CORDOVA,  
 ALASKA. 25-67.  
 Aquaculture Data Base No.: 2965

3429 1976  
 PROBLEMS OF LARGE-SCALE  
 VERTICALLY-INTEGRATED AQUACULTURE.  
 WEBBER, H.H.; RIORDAN, P.F.  
 FAO TECHNICAL CONFERENCE ON  
 AQUACULTURE. FIR/AQ/CONF/76/R.4. 13P.  
 Aquaculture Data Base No.: 2681

3430 1976  
 A SOCIO-ECONOMIC STUDY OF FISH PEN  
 AQUACULTURE IN THE PHILIPPINES - CREDIT  
 PRACTICES.  
 NICOLAS, E.S.; LIBRERO, A.R.; CALLO, R.A.;  
 PAMULAKLAKIN, E.R.  
 SEAFDEC-PCARR RESEARCH PROGRAM.  
 RESEARCH PAPER SERIES NO. 5, 126-130.  
 Aquaculture Data Base No.: 3463

3431 1976  
 A SOCIO-ECONOMIC STUDY OF FISH PEN  
 AQUACULTURE IN THE PHILIPPINES - LABOR  
 UTILIZATION.  
 NICOLAS, E.S.; LIBRERO, A.R.; CALLO, R.A.;  
 PAMULAKLAKIN, E.R.  
 SEAFDEC-PCARR RESEARCH PROGRAM  
 RESEARCH PAPER SERIES NO. 5, 106-117.  
 Aquaculture Data Base No.: 3465

3432 1976  
 A SOCIO-ECONOMIC STUDY OF FISH PEN  
 AQUACULTURE IN THE PHILIPPINES -  
 MARKETING PRACTICES.  
 NICOLAS, E.S.; LIBRERO, A.R.; CALLO, R.A.;  
 PAMULAKLAKIN, E.R.  
 SEAFDEC-PCARR RESEARCH PROGRAM.  
 RESEARCH PAPER SERIES NO. 5, 118-125.  
 Aquaculture Data Base No.: 3464

3433 1976  
 A SOCIO-ECONOMIC STUDY OF FISH PEN  
 AQUACULTURE IN THE PHILIPPINES. COSTS  
 AND RETURNS IN FISH PEN AQUACULTURE.  
 NICOLAS, E.S.; LIBRERO, A.R.; CALLO, R.A.;  
 PAMULAKLAKIN, E.R.  
 SEAFDEC-PCARR RESEARCH PROGRAM.  
 RESEARCH PAPER SERIES NO. 5. 85-106.  
 Aquaculture Data Base No.: 3623

3434 1976  
 A SOCIO-ECONOMIC STUDY OF FISH PEN  
 AQUACULTURE IN THE PHILIPPINES.  
 INTRODUCTION.  
 NICOLAS, E.S.; LIBRERO, A.R.; CALLO, R.A.;  
 PAMULAKLAKIN, E.R.  
 SEAFDEC-PCARR RESEARCH PROGRAM.  
 RESEARCH PAPER SERIES NO. 5. 1-5.  
 Aquaculture Data Base No.: 3581

3435 1976  
 A SOCIO-ECONOMIC STUDY OF FISH PEN  
 AQUACULTURE IN THE PHILIPPINES.  
 OWNER-CARETAKER RELATIONSHIP.  
 NICOLAS, E.S.; LIBRERO, A.R.; CALLO, R.A.;  
 PAMULAKLAKIN, E.R.



SEAFDEC-PCARR RESEARCH PROGRAM.  
RESEARCH PAPER SERIES NO. 5. 131-135.  
Aquaculture Data Base No.: 3660

3436 1976  
A SOCIO-ECONOMIC STUDY OF FISH PEN  
AQUACULTURE IN THE PHILIPPINES.  
PROBLEMS IN THE INDUSTRY.  
NICOLAS, E.S.; LIBRERO, A.R.; CALLO, R.A.;  
PAMULAKLAKIN, E.R.  
SEAFDEC-PCARR RESEARCH PROGRAM.  
RESEARCH PAPER SERIES NO. 5. 141-142, A1-A15.  
Aquaculture Data Base No.: 3595

3437 1976  
A SOCIO-ECONOMIC STUDY OF FISH PEN  
AQUACULTURE IN THE PHILIPPINES.  
SUMMARY AND CONCLUSIONS.  
NICOLAS, E.S.; LIBRERO, A.R.; CALLO, R.A.;  
PAMULAKLAKIN, E.R.  
SEAFDEC-PCARR RESEARCH PROGRAM.  
RESEARCH PAPER SERIES NO. 5. 148-162.  
Aquaculture Data Base No.: 3622

3438 1976  
A SOCIO-ECONOMIC STUDY OF FISH PEN  
AQUACULTURE IN THE PHILIPPINES. THE  
FISH PEN OPERATOR.  
NICOLAS, E.S.; LIBRERO, A.R.; CALLO, R.A.;  
PAMULAKLAKIN, E.R.  
SEAFDEC-PCARR RESEARCH PROGRAM.  
RESEARCH PAPER SERIES NO. 5. 5-15.  
Aquaculture Data Base No.: 3580

3439 1976  
A SOCIO-ECONOMIC STUDY OF FISH PEN  
AQUACULTURE IN THE PHILIPPINES:  
ATTITUDES AND LEVELS OF LIVING.  
NICOLAS, E.S.; LIBRERO, A.R.; CALLO, P.A.;  
PAMULAKLAKIN, E.R.  
SEAFDEC-PCARR RESEARCH PROGRAM.  
RESEARCH PAPER SERIES NO. 5. 136-141.  
Aquaculture Data Base No.: 3647

3440 1976  
A SOCIO-ECONOMIC STUDY OF MUSSEL  
FARMS IN BACOR BAY - LABOR INPUTS.  
ORDUNA, A.G.; LIBRERO, A.R.  
SEAFDEC-PCARR RESEARCH PROGRAM.  
RESEARCH PAPER SERIES NO. 2. 15-18.  
Aquaculture Data Base No.: 3450

3441 1976  
A SOCIO-ECONOMIC STUDY OF MUSSEL  
FARMS IN BACOR BAY - SUMMARY.  
ORDUNA, A.G.; LIBRERO, A.R.  
SEAFDEC-PCARR RESEARCH PROGRAM.  
RESEARCH PAPER SERIES NO. 2. 39-41.  
Aquaculture Data Base No.: 3456

3442 1976  
STATUS OF COMMERCIAL AQUACULTURE IN  
ARKANSAS IN 1975.  
BAILEY, W.M.; GIBSON, M.D.; NEWTON, S.H.;  
MARTIN, J.M.; GRAY, D.L.

PROCEEDINGS SOUTHEASTERN ASSOCIATION  
OF GAME AND FISH COMMISSIONERS 30,  
246-250.  
Aquaculture Data Base No.: 6460

3443 1976  
THE STATUS OF VERTICALLY-INTEGRATED  
AQUACULTURE INDUSTRY IN THE UNITED  
STATES.  
BRIGGS, P.  
FAO TECHNICAL CONFERENCE ON  
AQUACULTURE. FAO/AQ/CONF/76/R.25. 8P. (IN  
FRENCH, ENGLISH ABSTRACT).  
Aquaculture Data Base No.: 2657

3444 1976  
Utilization of salinized irrigated areas which can not be  
reclaimed economically for fish culture [Land, Brazil].  
Aproveitamento das areas irrigadas, salinizadas, de  
recuperacao antieconomica com a criacao de peixes.  
POR.  
Fontenele, O.  
*Bol Tec Braz Dep Nac Obras Contra Secas.* 34 (1):  
79-85. Ref. Eng. sum. Jan/June 1976. .)  
NAL Call No.: TC801.B7

3445 1975  
THE COMMERCIAL PRODUCTION OF  
TOPMINNOWS - A PRELIMINARY ECONOMIC  
ANALYSIS.  
HERRICK, S.F. JR.; BALDWIN, W.J.  
UNIVERSITY OF HAWAII. SEA GRANT  
ADVISORY REPORT. UNIHI-SEAGRANT-AR-75-02.  
Aquaculture Data Base No.: 2158

3446 1975  
CONFLICT OF INTEREST AND ITS RESOLUTION  
AS FACTORS IN THE COMMERCIALIZATION OF  
AQUACULTURE IN THE AMERICAS.  
WILLIAMS, S.  
MARINE FISHERIES REVIEW 37 (1), 48-51.  
Aquaculture Data Base No.: 1585

3447 1975  
Cost and returns of bangos [fish farming] production by  
size of farms and type of climate.  
Carandang, F L.  
*Monitor.* 3 (8): 11. Aug 1975. .)  
NAL Call No.: S542.P6M6

3448 1975  
Economic and biological studies on the intensive [fish]  
culture of the hybrid of *Tilapia nilotica* and *Tilapia*  
*hornorum* in the irrigated perimeters of the National  
Department of Works against Drought [Costs and  
returns, Brazil]. Estudos economicos e biologicos sobre a  
criacao intensiva do hibrido de *Tilapia nilotica* e *Tilapia*  
*hornorum* en perimetrios irrigados do DNOCS. POR.  
Lira, E R; Silva, A B da.  
*Bol Tec Braz Dep Nac Obras Contra Secas.* 33 (2):  
121-145. Eng. sum. July/Dec 1975. .)  
NAL Call No.: TC801.B7

3449 1975  
AN ECONOMICALLY OPTIMUM AQUACULTURE  
FACILITY.  
BOTSFORD, L.W.; SCHUUR, A.M.; SHLESER, R.

PROCEEDINGS OF THE SIXTH ANNUAL  
WORKSHOP WORLD MARICULTURE SOCIETY,  
SEATTLE, WASHINGTON. 407-420.  
Aquaculture Data Base No.: 3060

3450 1975  
THE ECONOMICS OF WASTE  
WATER-AQUACULTURE SYSTEMS.  
SMITH, L.J.; HUGUENIN, J.E.  
IEEE OCEAN '75 CONFERENCE RECORD, 285-293.  
Aquaculture Data Base No.: 3151

3451 1975  
Fish markets. Uo ichiba.  
Tokyo: Kokusai Shogyo Shuppan; 1975. 259 p.: ill.  
NAL Call No.: HD9466.J3U6

3452 1975  
JAPAN - A NEW MARKET FOR EELS.  
NOEL, H.S.  
WORLD FISHING 24 (7), PG.65.  
Aquaculture Data Base No.: 7776

3453 1975  
SOME MARKETING AND PROCESSING  
CONSIDERATIONS IN AQUACULTURE  
DEVELOPMENT.  
KRONE, W.  
FAO/SIDA SEMINAR ON THE PLANNING AND  
IMPLEMENTATION OF FISH UTILIZATION  
PROGRAMMES IN AFRICA, LUSAKA, ZAMBIA.  
7P.  
Aquaculture Data Base No.: 2941

1974

3454 1974  
APPLICATION OF OPTIMIZATION THEORY TO  
THE ECONOMICS OF AQUACULTURE.  
BOTSFORD, L.W.; RAUCH, H.E.; SHLESER, R.  
UNIVERSITY OF CALIFORNIA. BODEGA  
MARINE LABORATORY. 26P.  
Aquaculture Data Base No.: 2538

3455 1974  
APPLICATION OF OPTIMIZATION THEORY TO  
THE ECONOMICS OF AQUACULTURE.  
BOTSFORD, L.W.; RAUCH, H.E.; SHLESER, R.  
PROCEEDINGS OF THE FIFTH ANNUAL  
WORKSHOP WORLD MARICULTURE SOCIETY,  
CHARLESTON, SOUTH CAROLINA, 387-401.  
Aquaculture Data Base No.: 2912

3456 1974  
Attempts to lower feed costs [Fish farming].  
Hastings, W H.  
*In Proceedings of the Fish Farming Conference and  
Annual Convention Catfish Farmers of Texas.* p.  
80-90. 1974. .)  
NAL Call No.: SH167.C35F5 1974

3457 1974  
BACK-YARD SHRIMPING NOT YET  
ECONOMICAL.  
RILEY, G.

THE BRAZOSPORT FACTS 1974 (OCTOBER 23),  
FREEPORT TEXAS.  
Aquaculture Data Base No.: 1240

3458 1974  
Big city fish ponds [Fish farming, costs and returns].  
Johnson, P.  
*In Proceedings of the Fish Farming Conference and  
Annual Convention Catfish Farmers of Texas.* p.  
68-71. 1974. .)  
NAL Call No.: SH167.C35F5 1974

3459 1974  
THE COMMERCIAL CRAWFISH INDUSTRY OF  
SOUTH LOUISIANA.  
GARY, D.L.  
LA. STATE UNIV., CENT. WETLAND RESOUR.,  
LSU-SG 74-01, 59 PP.  
Aquaculture Data Base No.: 5133

3460 1974  
COMMERCIAL OYSTER AQUACULTURE IN  
MAINE.  
HIDU, H.; RICHMOND, M.S.  
MAINE SEA GRANT BULLETIN 2. UNIVERSITY  
OF MAINE. 60P.  
Aquaculture Data Base No.: 932

3461 1974  
Cost of overwintering catfish in Alabama.  
McCoy, E W; Crawford, Kenneth.  
Auburn, Ala Agr Exp Sta, Highlights of Agricultural  
Research 21(4):. Winter 1974. p 14.  
NAL Call No.: 100 ALIH  
AGE.

3462 1974  
DEVELOPMENT OF A PRAWN CULTURE  
INDUSTRY IN HAWAII.  
FUJIMURA, T.  
NMFS COMMERCIAL FISHERIES RESEARCH  
AND DEVELOPMENT ACT JOB COMPLETION  
REP. 21P.  
Aquaculture Data Base No.: 3196

3463 1974  
ECONOMIC STUDY ON ALTERNATIVE USES OF  
MANGROVE SWAMPS. BAKAWAN PRODUCTION  
OR FISH PONDS.  
LAWAS, J.M.; RAVELO, J.; ACOSTA, P.; ESQUIERS,  
P.G.  
INDO-PACIFIC FISHERIES COUNCIL  
PROCEEDINGS, 15TH SESSION. SECTION II,  
COASTAL AQUACULTURE AND ENVIRONMENT.  
65-69.  
Aquaculture Data Base No.: 812

3464 1974  
THE ECONOMICS OF AQUACULTURE - A  
REVIEW.  
SHEPHERD, C.J.  
OCEANOGRAPHY AND MARINE BIOLOGY  
ANNUAL REVIEW 13, 413-420.  
Aquaculture Data Base No.: 7701

3465 1974  
FIVE WAYS TO CUT COSTS ON A CATFISH  
FARM.  
HEFFERNAN, B.E.



FISH FARMING IND. 5(1), 16-19.  
Aquaculture Data Base No.: 5041

3466 1974  
A FORMAT FOR PLANNING A COMMERCIAL  
MODEL AQUACULTURE FACILITY.  
MAYO, R.D.  
KRAMER, CHIN AND MAYO, INC. TECHNICAL  
REPRINT NO. 30, 15P.  
Aquaculture Data Base No.: 3966

3467 1974  
Markets and prices for salt-water bottomfish in selected  
areas of Louisiana.  
Roy, Ewell P; Bordelon, Floyd J.  
Baton Rouge, La, Agrl Exp Sta, Dept Agrl Econ And  
Agribus, D.a.e. Research Report No 466,. Jun 1974. 58  
P.  
NAL Call No.: 100 L935  
AGE.

3468 1974  
MULTIFARIOUS USE OF COASTAL AREAS  
SUITABLE FOR AQUACULTURE DEVELOPMENT.  
JHINGRAN, V.G.; GOPALAKRISHNAN, V.  
INDO-PACIFIC FISHERIES COUNCIL  
PROCEEDINGS, 15TH SESSION. SECTION II,  
COASTAL AQUACULTURE AND ENVIRONMENT.  
24-30.  
Aquaculture Data Base No.: 806

3469 1974  
OPEN SEA MARICULTURE IN UTILITARIAN  
PERSPECTIVE.  
HANSON, J.A.  
OPEN SEA MARICULTURE. PERSPECTIVES,  
PROBLEMS, AND PROSPECTS. P. 17-28. DOWDEN,  
HUTCHINSON AND ROSS, INC., STROUDSBURG  
PENNSYLVANIA.  
Aquaculture Data Base No.: 2386

3470 1974  
THE POTENTIAL FOR CULTURE OF  
FRESH-BRACKISH WATER SHRIMP,  
MACROBRACHIUM, IN SOUTH CAROLINA.  
SANDIFER, P.A.  
SOUTH CAROLINA MARINE RESEARCH  
CENTER, SEA GRANT PROGRAM. SCMR-2-74-005,  
39-47.  
Aquaculture Data Base No.: 2108

3471 1974  
POTENTIAL FOR THE DEVELOPMENT OF  
AQUACULTURE IN THE INDO-PACIFIC REGION.  
NASH, C.E.  
INDO-PACIFIC FISHERIES COUNCIL, 16TH  
SESSION, JAKARTA, INDONESIA, FAO,  
IPFC/74/SYM/2. 10P.  
Aquaculture Data Base No.: 3402

3472 1974  
PROSPECTS FOR FISHERIES DEVELOPMENT  
ASSISTANCE.  
LAMPE, H.C.; MARSHALL, N.; SUTINEN, J.G.;  
VIDAEUS, L.D.; WESTIN, D.T.

UNIVERSITY OF RHODE ISLAND, MARINE  
TECHNICAL REPORT SERIES NUMBER 19, 1-41.  
Aquaculture Data Base No.: 7859

3473 1974  
TEXAS SHRIMP FARMING. A PERSPECTIVE.  
CONTE, F.S.; PARKER, J.C.  
PROCEEDINGS OF THE 1974 FISH FARMING  
CONFERENCE AND ANNUAL CONVENTION  
CATFISH FARMERS OF TEXAS. TEXAS  
AGRICULTURAL EXTENSION SERVICE, TEXAS  
A AND M UNIVERSITY. P. 40-44.  
Aquaculture Data Base No.: 736

3474 1974  
Wild fish and imports market [Competition to the  
farm-raised catfish industry].  
Oravetz, C A.  
*In Proceedings of the Fish Farming Conference and  
Annual Convention Catfish Farmers of Texas.* p.  
91-93. 1974. .)  
NAL Call No.: SH167.C35F5 1974

3475 1973  
AN ANNOTATED BIBLIOGRAPHY FOR  
ECONOMIC EVALUATIONS OF THE  
AQUACULTURE OF SELECTED CRUSTACEANS  
AND MOLLUSKS.  
JOHNSTON, W.E.; COLLINSWORTH, D.W.  
UNIVERSITY OF CALIFORNIA. INSTITUTE OF  
MARINE RESOURCES, LA JOLLA, CALIFORNIA.  
UC-IMR NO. 74-3. SEA GRANT PUBLICATION  
NO. 2.  
Aquaculture Data Base No.: 436

3476 1973  
BANGUS PRODUCTION COST.  
CARANDANG, F.L.; DARRAH, L.B.  
NATIONAL FOOD AND AGRICULTURE  
COUNCIL 73-10, 17P.  
Aquaculture Data Base No.: 3531

3477 1973  
Comparison of the economic potential of aquaculture,  
land animal husbandry and ocean fisheries: the case of  
Taiwan. [Pig farming].  
Shang, Y C.  
*Aquaculture.* 2 (2): 187-195. Ref. Jun 1973. .)  
NAL Call No.: SH1.A6

3478 1973  
DEVELOPMENT PROSPECTS FOR FISH  
FARMING IN IRELAND.  
MEANEY, R.A.  
FISH FARMING INTL. 1(1), 52-55.  
Aquaculture Data Base No.: 5227

3479 1973  
ECONOMIC FEASIBILITY OF COMMERCIAL  
SHRIMP FARMING IN TEXAS.  
WILLIAMS, R.J.  
TEXAS A AND M UNIVERSITY. MASTERS  
THESIS, 1-57.  
Aquaculture Data Base No.: 7146

3480 1973  
ECONOMICS OF AQUACULTURE.

- JOHNSTON, W.E.  
UNIVERSITY OF CALIFORNIA. SEA GRANT  
COLLEGE PROGRAM ANNUAL REPORT  
1972-1973. SG PUB. NO. 37, 32.  
Aquaculture Data Base No.: 1496
- 3481 1973  
THE ECONOMICS OF MARINE FISH FARMING.  
PALFREMAN, D.A.  
FISH FARMING INTL. 1(1), 47-52.  
Aquaculture Data Base No.: 5235
- 3482 1973  
Evaluation of the regional multipurpose economic  
benefits resulting from a water and related land resource  
development.  
Lindeborg, Karl H.  
Moscow, Univ Idaho, Water Resources Research  
Institute., Sep 1973. 38 p.  
NAL Call No.: 75.9908447  
AGE.  
(Submitted to the Office of Water Resources  
Research, U.S. Department of the Interior, Washington,  
D.C.)
- 3483 1973  
THE FEASIBILITY OF BRINE SHRIMP  
PRODUCTION ON CHRISTMAS ISLAND.  
HELFRICH, P.H.  
UNIVERSITY OF HAWAII. SEA GRANT  
TECHNICAL REPORT UNIHI-SEAGRANT-TR-7302.  
173P.  
Aquaculture Data Base No.: 483
- 3484 1973  
The feasibility of catfish farming in San Joaquin and  
Sacramento Counties. [Fish, production costs].  
Lane, S; Luke, N.  
*Agric Nat Resour Pam Ser PM.* 73-22, 29 p. 1973. )  
NAL Call No.: S405.A428 CUA  
CUA.
- 3485 1973  
FROM OYSTER FARMING AUSTRALIA MOVES  
TO OTHER SHELLFISH.  
POWNALL, P.C.  
FISH FARMING INTL. 1 (1), 56-59.  
Aquaculture Data Base No.: 5116
- 3486 1973  
NATIONAL SURVEY OF THE OYSTER  
INDUSTRY'S PROBLEMS.  
VAUGHN, C.L.  
NATL. MAR. FISH. SERV., MARKET RES. SERV.  
DIV., CONTRACT REP. N-043-41-72, 92 PP.  
Aquaculture Data Base No.: 5120
- 3487 1973  
NEW PROSPECTS IN FISHCULTURE IN ISRAEL.  
TAL, S.  
BAMIDGEH 25(3), 67-71.  
Aquaculture Data Base No.: 5257
- 3488 1973  
POND-GROWN CATFISH IN THE UNITED  
STATES: PRESENT SITUATION AND FUTURE  
OPPORTUNITIES.  
BILLY, T.J.
- PAPER PRESENTED TO THE FAO TECHNICAL  
CONFERENCE ON FISHERY PRODUCTS, DEC.  
4-11, 1973, TOKYO, FAO, FII, FP/73/E-33, 13 PP.  
Aquaculture Data Base No.: 5020
- 3489 1973  
PROSPECTS FOR THE DEVELOPMENT OF  
BRACKISH-WATER FISH AND SHRIMP  
CULTURE IN INDIA.  
JHINGRAN, V.G.; GOPALAKRISHNAN, V.  
JOURNAL OF THE FISHERIES RESEARCH  
BOARD OF CANADA PT. 2, 30 (12), 2341-2343.  
Aquaculture Data Base No.: 1514
- 3490 1973  
RISKS TO THE AQUACULTURE ENTERPRISE.  
WEBBER, H.H.  
PROCEEDINGS OF THE FOURTH ANNUAL  
WORKSHOP WORLD MARICULTURE SOCIETY.  
MONTERREY, MEXICO (IN PRESS). 26P.  
Aquaculture Data Base No.: 255
- 3491 1973  
WHAT THE GEORGIA FEE FISHING SURVEY  
REVEALS.  
BROWN, E.E.; HOLEMO, F.J.; HUDSON, H.  
FISH FARMING IND. 4(3), 10, 12 AND 13.  
Aquaculture Data Base No.: 5022
- 3492 1973  
WITH THE DECLINE OF NATURAL FISH  
STOCKS OTHER SOURCES MUST BE USED.  
PRITCHARD, G.I.  
WEST. FISH. 86(4), 38-43.  
Aquaculture Data Base No.: 5243
- 1972
- 3493 1972  
"AQUACULTURE" MAY BECOME THE WAVE OF  
THE FUTURE.  
PACEY, M.D.  
BARRON'S 1974 (AUGUST 21) 5,16,18,20.  
Aquaculture Data Base No.: 1283
- 3494 1972  
ALL YOU WANT TO KNOW ABOUT THE FEE  
FISHING BUSINESS "BUT WERE AFRAID TO ASK".  
GRIZZELL, R.A., JR.  
FISH FARMING IND. 3(3), 14-17.  
Aquaculture Data Base No.: 5038
- 3495 1972  
APPRAISING THE FEASIBILITY OF FISH  
CULTURE.  
GATES, J.M.  
ECONOMIC ASPECTS OF FISH PRODUCTION,  
INTERNATIONAL SYMPOSIUM ON FISHERY  
ECONOMICS, PARIS, NOV. 29 TO DEC. 3, 1971,  
O.E.C.D., PP. 327-348.  
Aquaculture Data Base No.: 5205
- 3496 1972  
AQUACULTURE. ECONOMIC FEASIBILITY IN  
THE GREAT LAKES AREA.  
DOBSON, W.D.



NATIONAL SEA GRANT CONFERENCE  
 PROCEEDINGS 4, 89-98.  
 Aquaculture Data Base No.: 1453

3497 1972  
**Catfish production in southeastern Arkansas: estimated investment requirements, costs, and returns, for two sizes of farms.**  
 Garner, Carroll R; Halbrook, W A.  
 Ark Agr Exp Sta Rep Ser 203,. Aug 1972. 27 p.  
 NAL Call No.: 100 AR42R  
 AGE.

3498 1972  
**COMMENTS ON THE COST OF WATER RECONDITIONING SYSTEMS FOR LARGE HATCHERIES.**  
 MAYO, R.D.  
 KRAMER CHIN AND MAYO, INC. TECHNICAL REPRINT NO. 20. SEATTLE, WASHINGTON. 1P.  
 Aquaculture Data Base No.: 3830

3499 1972  
**Cost-size relationships in the production of pond-raised catfish for food.**  
 Foster, Thomas H.  
 State College. 1972. 69 p.  
 NAL Call No.: S79.E3 No.792  
 (Mississippi. Agricultural and Forestry Experiment Station. Bulletin 792)  
 (Bibliography: p. 67ll ")

3500 1972  
**The demand for Canadian seaweeds with special reference to Irish moss.**  
 Ffrench, Rudolph A.  
 Can J Agr Econ 20(2):. Jul 1972. 1-6.  
 NAL Call No.: 281.9 C16  
 AGE.

3501 1972  
**THE DESIGN OF AN AQUACULTURE ENTERPRISE.**  
 WEBBER, H.H.  
 UNIVERSITY OF MIAMI. GULF AND CARIBBEAN FISHERIES INSTITUTE PROCEEDINGS 24, 117-125.  
 Aquaculture Data Base No.: 581

3502 1972  
**DEVELOPMENT OF PRAWN CULTURE INDUSTRY.**  
 FUJIMURA, T.  
 PROCEEDINGS, KAUAI AQUACULTURE CONFERENCE, HAWAII DEP. PLANNING ECON. AND KAUAI COUNTY OFF. OF ECON. DEV., PP. 5-13.  
 Aquaculture Data Base No.: 5131

3503 1972  
**ECONOMIC ANALYSIS OF COMMERCIAL MOLLY (POECILIA SPHENOPS) BAITFISH AQUACULTURE.**  
 HERRICK, S.F.  
 UNPUBLISHED, 36P.  
 Aquaculture Data Base No.: 3184

3504 1972  
**THE ECONOMIC AND BIOLOGICAL FEASIBILITY STUDY OF REARING CHINOOK SALMON, CHUM SALMON AND PACIFIC OYSTERS AT THE SQUAXIN ISLAND, PORT GAMBLE AND SKOKOMISH RESERVATIONS.**

FRASER, J.; MARTIN, S.G.  
 FEDERAL WAY, WASH., SMALL INDIAN TRIBES ORG. W. WASH., INC., FINAL REPORT, 60 PP. (OBTAIN FROM NTIS, COM-73-10110.).  
 Aquaculture Data Base No.: 5085

3505 1972  
**ECONOMIC FEASIBILITY OF FRESH WATER PRAWN FARMING IN HAWAII.**  
 SHANG, Y.C.  
 UNIVERSITY OF HAWAII. ECONOMIC RESEARCH CENTER. 49P.  
 Aquaculture Data Base No.: 1136

3506 1972  
**ECONOMICS OF AQUACULTURE DEVELOPMENT.**  
 DAVIDSON, J.R.  
 NATIONAL SEA GRANT CONFERENCE PROCEEDINGS 4, 75-82.  
 Aquaculture Data Base No.: 1451

3507 1972  
**Economics of surplus hatchery salmon disposal in Oregon.**  
 Roberts, Kenneth J.  
 Oreg State Univ Sea Grant Marine Advisory Prog SG 17,. 1972. 20 p.  
 NAL Call No.: 72.9905910  
 AGE.

3508 1972  
**EVALUATION OF THE COMMERCIAL FEASIBILITY OF SALMON AQUACULTURE IN PUGET SOUND.**  
 RICHARDS, J.A.; MAHNKEN, C.V.M.; TANONAKA, G.K.  
 U.S. DEP. COMMER., NATL. MAR. FISH. SERV., N.W. FISH. CENT., UNPUBL. PRELIM. ANALYSIS, 35 PP.  
 Aquaculture Data Base No.: 5093

3509 1972  
**FROG CULTURE INDUSTRY, PAST, PRESENT, FUTURE.**  
 PRIDDY, J.M.; CULLEY, DUDLEY D.  
 AMER. FISH FARMER WORLD AQUACULT. NEWS 3(9), 4-7.  
 Aquaculture Data Base No.: 5154

3510 1972  
**THE MARKETING POINT OF VIEW: PROCESSING OR PAY LAKES.**  
 NELSON, R.  
 CATFISH FARMER 4(2), 13-14.  
 Aquaculture Data Base No.: 5059

3511 1972  
**PLANNING REQUIREMENTS FOR FEE FISHING PONDS.**  
 SUMMERFELT, R.C.  
 PROCEEDINGS OF THE MISSOURI CATFISH CONFERENCE. COLUMBIA, MISSOURI, MARCH 10-11, 1970. 21-29.  
 Aquaculture Data Base No.: 4841

3512 1972  
**The production and marketing potential of Idaho's rainbow trout industry.**  
 Araj, A A.

Idaho Univ Coll Agr Dep Agr Econ AE 118, Mar 1972.  
9 p.  
NAL Call No.: 72.9905763  
AGE.

3513 1972  
PROFIT AND PRACTICALITIES FOR THE  
TECHNOLOGIST IN AQUACULTURE.  
TAUB, F.B.  
PROGRESS IN FISHERY AND FOOD SCIENCE.  
UNIV. WASH. PUB. FISH. NEW SER. 5, 101-104.  
Aquaculture Data Base No.: 1282

3514 1972  
RAINBOW TROUT--A NEW MONEY CROP FOR  
SOUTH GEORGIA.  
BROWN, E.E.; HILL, T.K.; CHESNESS, J.L.  
UNIV. GA., GA. AGRI. RES., AGRI. EXP. STA.,  
FALL, 1972, PP. 10-12.  
Aquaculture Data Base No.: 5073

1971

3515 1971  
AQUACULTURE IN LESS DEVELOPED NATIONS.  
SOME ECONOMIC CONSIDERATIONS.  
GATES, J.M.  
MARINE TECHNOLOGY SOCIETY 7TH ANNUAL  
CONFERENCE PREPRINT. 579-583.  
Aquaculture Data Base No.: 645

3516 1971  
CATFISH FARMING--COST OF PRODUCING IN  
THE TENNESSEE VALLEY REGION.  
ROGERS, B.D.; MADEWELL, C.E.  
T.V.A., NATL. FERT. DEV. CENT., CIRC. Z-22, 20  
PP.  
Aquaculture Data Base No.: 5063

3517 1971  
Costs and returns of commercial catfish production in  
Alabama.  
Adrian, J F; McCoy, E W.  
Ala Agr Exp Sta Bull 421, Sep 1971. 21p.  
NAL Call No.: 100 AL1S(1)  
AGE.

3518 1971  
ECONOMIC AND RELATED CONSIDERATIONS  
BEFORE ENTERING OR EXPANDING A  
COMMERCIAL CATFISH OR TROUT FARMING  
OPERATION.  
MADEWELL, C.E.  
PAPER PRESENTED TO FISH FARMING  
CONFERENCE, NOV. 4, 1971, MONTGOMERY  
BELL STATE PARK, BURNS, TENN., T.V.A., 20 PP.  
Aquaculture Data Base No.: 5051

3519 1971  
AN ECONOMIC PERSPECTIVE.  
GATES, J.M.; MATTHIESSEN, G.C.  
THOMAS A. GAUCHER, EDITOR,  
AQUACULTURE, A NEW ENGLAND  
PERSPECTIVE. UNIV. R.I., NEW ENGL. MAR.  
RESOUR. INFORM. PROGR., (NEMRIP), PP. 22-50.  
Aquaculture Data Base No.: 5207

3520 1971  
FACTORS DETERMINE THE SUITABILITY OF  
CATFISH FARMING (TO BE OR NOT TO BE A  
FISH FARMER).

YEAGER, J.H.  
AMER. FISH FARMER WORLD AQUACULT.  
NEWS 2(12), 19-21.  
Aquaculture Data Base No.: 5066

3521 1971  
IDAHO TROUT FARMER PROFITS ON 10-CENT  
MARGIN.  
GOOBY, R.  
FISH FARMING IND. 2 (3), 36-38.  
Aquaculture Data Base No.: 5075

3522 1971  
MANAGEMENT AND ECONOMICS OF  
FEE-FISHING.  
GRIZZELL, R.A., JR.  
PROCEEDINGS OF THE FIRST ANNUAL  
MEETING OF THE TENNESSEE FISH  
PRODUCERS ASSOCIATION. DICKSON,  
TENNESSEE, NOVEMBER 4, 1971. 12P.  
Aquaculture Data Base No.: 4843

3523 1971  
METHOD OF PLANNING, RECORDING AND  
CALCULATING THE PRIME COST OF POND  
FISH (O METODIKE PLANIROVANIYA, UCHETA  
I KAL'KULIROVANIYA SEBESTOIMOSTI  
PRUDOVOI RYBY).13, 1972, UNIV. WIS., SEA  
GRANT COMMUNICATIONS OFF., SEA GRANT  
PUBL. WIS-SG-72.  
FEDYAEV, V.E.  
RYBN. KHOZ. 1971(12), 74-77. (COPY OF  
TRANSLATION AVAILABLE ON LOAN FROM  
NMFS.).  
Aquaculture Data Base No.: 5203

3524 1971  
NEW DEVELOPMENTS AND NEEDED CHANGES.  
4. RACEWAY AND POND ECONOMICS.  
BROWN, E.E.; CHESNESS, J.L.; CHAPMAN, S.R.  
CONFERENCE PROCEEDINGS 1971 PRODUCING  
AND MARKETING CATFISH IN THE TENNESSEE  
VALLEY, 90-93.  
Aquaculture Data Base No.: 4739

3525 1971  
Producing & marketing catfish in the Tennessee Valley;  
Conference proceedings.  
[Muscle Shoals? Ala.. 1971]. 96 p. illus.  
NAL Call No.: SH167.C35C6 1971  
(National Fertilizer Development Center. \$Bulletin  
Y-38)  
(Includes bibliographical references)

3526 1971  
SOME ECONOMIC ASPECTS OF PINK SHRIMP  
FARMING IN FLORIDA.  
ANDERSON, L.G.; TABB, D.C.  
UNIVERSITY OF MIAMI. GULF AND  
CARIBBEAN FISHERIES INSTITUTE  
PROCEEDINGS 23, 113-124.  
Aquaculture Data Base No.: 1176

1970

3527 1970  
AQUACULTURE - A COOPERATIVE VENTURE.  
UPHAM, S.P.



FOOD - DRUGS FROM THE SEA PROCEEDINGS  
1969. P. 23-28. MARINE TECHNOLOGY SOCIETY.  
Aquaculture Data Base No.: 1045

3528 1970  
CAPITAL REQUIREMENTS FOR INITIATING A  
CATFISH PRODUCTION ENTERPRISE.  
MULLINS, T.  
AMER. FISH FARMER 1(3), 12-14.  
Aquaculture Data Base No.: 5058

3529 1970  
CATFISH MARKETING, 1970.  
GREENFIELD, J.E.  
CATFISH FARMER 2(3), 37-44.  
Aquaculture Data Base No.: 5032

3530 1970  
Conditions of earning and business results of social  
section in agriculture and fish farming in 1969. Uslovi  
privredivanja i poslovni rezultati drustvenog sektora  
poljoprivrede i ribarstva u 1969. godini. SER.  
Jovanovic, D.  
*Ekonomika Poljoprivrede*. 17 (11): 825-846. Nov 1970. )  
NAL Call No.: 281.8 EK72  
(English summary.)

3531 1970  
Economic and business dimensions of the catfish farming  
industry.  
Greenfield, J. E.  
St. Petersburg, Fla: Bureau of Commercial Fisheries,  
U.S. Dept. of the Interior; 1970. 24 p.: graphs, map; 27  
cm.  
NAL Call No.: HD9469.C38G7 1970

3532 1970  
ECONOMIC OBSTACLES TO MARINE  
DEVELOPMENT.  
SCOTT, A.  
WILLIAM J. MCNEIL, EDITOR, MARINE  
AQUICULTURE, SELECTED PAPERS FROM  
CONFERENCE ON MARINE AQUACULTURE,  
OREG. STATE UNIV., MAR. SCI. CENT., OREG.  
STATE UNIV. PRESS, PP. 153-167.  
Aquaculture Data Base No.: 5252

3533 1970  
The economic state of fish breeding in the German  
Federal Republic. [Trout, carp]. Die okonomische  
Situation der Fischzucht in der Bundesrepublik. GER.  
Bahr, K.  
*Tierzuchter*. 22 (5): 138-139. Mar 5, 1970. )  
NAL Call No.: 49 T445

3534 1970  
ECONOMIC TRENDS OF COASTAL  
AQUACULTURE IN THE PHILIPPINES.  
BLANCO, G.J.  
COASTAL AQUACULTURE IN THE  
INDO-PACIFIC REGION. P. 490-497. FISHING  
NEWS (BOOKS) LTD., LONDON.  
Aquaculture Data Base No.: 796

3535 1970  
ECONOMICO-MATHEMATICAL MODEL FOR  
OPTIMUM EXPLOITATION OF FISH- CULTURE  
PRODUCTION RESOURCES (OB ODNOI  
EKONOMIKO-MATEMATICHESKOI MODELI  
OPTIMAL'NOGO ISPOLZOVANIYA  
PROIZVODSTVENNYKH RESURSOV  
RYBOVODSTVA).

PINCHUK, V.A.  
RYBN. KHOZ. 1970(11), 118-122. (COPY OF  
TRANSLATION AVAILABLE ON LOAN FROM  
NMFS.).  
Aquaculture Data Base No.: 5239

3536 1970  
ECONOMICS OF THE SOVIET FISHING  
INDUSTRY (EKONOMIKA RYBNOI  
PROMYSHLENNOSTI SSSR).  
SYSOEV, N.P.  
DANEMAN, TRANSL., ISRAEL PROGR. FOR SCI.  
TRANSL., JERUSALEM, 1974, 386 PP. (OBTAIN  
FROM NTIS.).  
Aquaculture Data Base No.: 5254

3537 1970  
Fish culture prospects in the 80s.  
Tal, S.  
*Bamidgeh*. 22 (2): 27-32. June 1970. )  
NAL Call No.: 414.8 B21

3538 1970  
THE FUTURE OF FISHING-3, THE WAY AHEAD  
FOR MARINE FARMS.  
RICHARDSON, I.  
FISHING NEWS INTERNATIONAL 9 (11), 18-20.  
Aquaculture Data Base No.: 3692

3539 1970  
THE FUTURE OF THE WORLD'S FISHERY  
RESOURCES; FORECASTS OF DEMAND, SUPPLY  
AND PRICES TO THE YEAR 2000.  
BELL, F.W.; NASH, D.A.; CARLSON, E.W.;  
WAUGH, F.V.; KINOSHITA, R.K.; FULLENBAUM,  
R.F.  
NATL. MAR. FISH. SERV., ECON. RES. DIV.,  
UNPUBL. FILE MANUSCR., 422 PP. (OUT OF  
STOCK, PORTIONS SUBMITTED FOR  
PUBLICATION. IN LIEU OF THIS REPORT, DATA  
AND SOME DEMAND-SUPPLY MODEL  
PROJECTION RESULTS MAY BE OBTAINED  
FROM THE DIVISION'S PUBLISHED BASIC  
ECONOMIC INDICATOR FOR THE SPECIES  
GROUP IN QUESTION.).  
Aquaculture Data Base No.: 5192

3540 1970  
HOW TO MAKE A SUCCESS IN THE FEE  
FISHING BUSINESS.  
GRAY, D.L.  
FISH FARMING IND. 1(1), 28-31.  
Aquaculture Data Base No.: 5031

3541 1970  
METHODOLOGY FOR SURVEY OF  
BRACKISHWATER AREAS IN INDIA FOR  
COASTAL AQUACULTURE.  
JHINGRAN, V.G.; GOPALAKRISHNAN, V.; RAY,  
P.; GHOSH, A.  
INDO-PACIFIC FISHERIES COUNCIL, 14TH  
SESSION, BANGKOK, THAILAND, FAO 15501. 37P.  
Aquaculture Data Base No.: 1947

3542 1970  
THE OCEAN--AN ECONOMIC PERSPECTIVE.  
MOORE, J.J.

MAR. TECH. SOC. J. 4(6), 33-37.  
Aquaculture Data Base No.: 5229

3543 1970  
A REVIEW OF OYSTER CULTURE AND THE  
OYSTER INDUSTRY IN NORTH AMERICA.  
MATTHIESSEN, G.C.  
WOODS HOLE OCEANOGRAPHIC INSTITUTION.  
CONTRIBUTION NO. 2528.  
Aquaculture Data Base No.: 1199

3544 1970  
STATUS AND PROBLEMS OF COASTAL  
AQUACULTURE IN TAIWAN.  
CHEN, T.P.  
COASTAL AQUACULTURE IN THE  
INDO-PACIFIC REGION. P. 68-73. FISHING NEWS  
(BOOKS) LTD., LONDON.  
Aquaculture Data Base No.: 765

3545 1970  
STATUS OF COMMERCIAL CULTURE OF  
CRUSTACEANS.  
IDYLL, C.P.  
FOOD - DRUGS FROM THE SEA PROCEEDINGS  
1969. P. 55-64. MARINE TECHNOLOGY SOCIETY.  
Aquaculture Data Base No.: 1047

3546 1970  
THERE'S PROFIT IN TROUT PRODUCTION.  
SCOTT, C.A.; FESSLER, F.R.  
FISH FARMING IND. 1(3), 18-22.  
Aquaculture Data Base No.: 5081

3547 1970  
Trout production as profit for the farmers in the  
high-altitude areas. [Hessen]. Forellenproduktion als  
Zuerwerb fur Landwirte in Hohengebieten. GER.  
Hass, G.  
*Agrarsoz Ges Materialsamml.* 90: 95. Apr 1970. .)  
NAL Call No.: 281.9 AG862M

1969

3548 1969  
POTENTIAL OF POND FARM PRODUCTION.  
FORD, E.C.  
PROCEEDINGS, COMMERCIAL FISH FARMING  
CONFERENCE, JAN. 27-28, 1969, ATHENS, GA.,  
UNIV. GA., COOP. EXT. SERV. AND INST.  
COMMUNITY AREA DEV., PP. 77-78.  
Aquaculture Data Base No.: 5028

3549 1969  
SOME ECONOMIC CHARACTERISTICS OF  
POND-RAISED CATFISH ENTERPRISES  
(REVISED).  
GREENFIELD, J.E.  
U.S. DEP. COMMER., NATL. MAR. FISH. SERV.,  
ECON. MARK. RES. DIV., UNPUBL. MANUSCR.,  
19 PP.  
Aquaculture Data Base No.: 5036

3550 1969  
SOME ECONOMIC CHARACTERISTICS OF  
POND-RAISED CATFISH ENTERPRISES.  
GREENFIELD, J.E.

PROCEEDINGS, CONFERENCE ON  
COMMERCIAL FISH FARMING, JAN. 28-29, 1969,  
ATHENS, GA., UNIV. GA., COOP. EXT. SERV.  
AND INST. COMMUNITY AREA DEV., PP 67-76.  
Aquaculture Data Base No.: 5037

3551 1969  
Trout farming; Could trout farming be profitable for  
you.  
Scheffer, Paul M.  
[Washington, U.S. Govt. Print. Off.. 1969]. 8 p. illus.  
NAL Call No.: 1 Ag84L No.552  
(U.S. Dept. of Agriculture. Leaflet 552)  
(Issued Nov. 1969.)

3552 1969  
Trout farming; Could trout farming be profitable for  
you.  
Scheffer, P M; Marriage, L D.  
*Leaflet U S Dep Agric.* 552, 8 p. Map. Nov 1969 (pub.  
1975). .)  
NAL Call No.: 1 AG84L

1968

3553 1968  
THE BAIT MINNOW INDUSTRY OF THE GREAT  
LAKES.  
GORDON, W.G.  
U.S. DEP. INT., FISH WILDL. SERV., BUR.  
COMMER. FISH., FISH. LEAFL. 608, 6 PP.  
Aquaculture Data Base No.: 5148

3554 1968  
POMPANO MARICULTURE: PRELIMINARY  
DATA AND BASIC CONSIDERATIONS.  
MOE, M.A.,JR.; LEWIS, R.H.; INGLE, R.M.  
FLORIDA STATE BOARD OF CONSERVATION  
MARINE LABORATORY, TECHNICAL SERIES  
NO. 55, 65P.  
Aquaculture Data Base No.: 3677

1967

3555 1967  
CALCULATION OF ECONOMIC EFFECTIVENESS  
OF INVESTMENTS IN FISH FARMS (RACHUNEK  
EFEKTYWNOSCI EKONOMICZNEJ INWESTYCJI  
W OBIEKTACH RYBACKICH).  
SZAMBORSKI, J.  
GOSP. RYBA. 19(7), 3-5. (COPY OF TRANSLATION  
AVAILABLE ON LOAN FROM NMFS.).  
Aquaculture Data Base No.: 5255

3556 1967  
SOME ELEMENTS OF THE ECONOMIC  
EFFICIENCY OF POND PRODUCTION  
(NIEKTORE ELEMENTY EKONOMICZNEJ  
EFEKTYWNOSCI PRODUKCJI STAWOWEJ).  
SZAMBORSKI, J.  
GOSP. RYBN. 19 (2), 3-5. (COPY OF  
TRANSLATION AVAILABLE ON LOAN FROM  
NMFS.).  
Aquaculture Data Base No.: 5256



# 12: TAXONOMY AND INTRODUCTION OF NEW SPECIES

- 1981
- 3560** **1981**  
**Ecological analysis of species introductions into aquatic systems (Fisheries management, freshwater fish, USA).**  
 Li, H.W.; Moyle, P.B.  
 Transactions of the American Fisheries Society; v. 110, (6), p. 772-782. ill. Nov 1981. (Lawrence, Kan.: The Society.)  
 NAL Call No.: 414.9 AM3  
 (Bibliography p. 781-782.)
- 3561** **1981**  
**An experimental search for phytoplanktonic algae producing external metabolites which condition natural sea waters.**  
 Wilson, D.P.  
 Journal of the Marine Biological Association of the United Kingdom; v. 61, (3), p. 585-607. ill. 1981. (Cambridge: Cambridge University Press.)  
 NAL Call No.: 442.9 M331  
 (Bibliography p. 606-607.)
- 1980
- 3562** **1980**  
**THE MASS CULTURE OF THE ROTIFER, BRACHIONUS PLICATILIS, FOR USE AS FOODSTUFF IN AQUACULTURE.**  
 FONTAINE, C.T.; REVERA, D.B.  
 PROCEEDINGS OF THE ELEVENTH ANNUAL MEETING, WORLD MARICULTURE SOCIETY, NEW ORLEANS, LOUISIANA, MARCH 5-8, 1980, 211-218.  
 Aquaculture Data Base No.: 9031
- 3563** **1980**  
**NEW CANDIDATES WITH AQUACULTURE POTENTIAL IN WASHINGTON STATE: PINTO ABALONE (HALIOTIS KAMTSCHATKANA), WEATHERVANE SCALLOP (PECTEN CAURINUS), AND PURPLE-HINGE ROCK SCALLOP (HINNITES MULTIRUGOSUS).**  
 OLSEN, S.  
 PRESENTED, 34TH ANNUAL MEETING, NATIONAL SHELL FISHERIES ASSOCIATION, OLMPIA, WASHINGTON, 5 SEPT. 1980 (UNPUBLISHED), 1-8.  
 Aquaculture Data Base No.: 9453
- 1979
- 3564** **1979**  
**ESPECES DE THONIDES D'INTERET POTENTIEL POUR L'AQUACULTURE EN MEDITERRANE.**  
 LE GALL, J.Y.
- CNEXO. ACTES DE COLLOQUES 8, 215-217. (IN FRENCH WITH ENGLISH ABSTRACT).**  
 Aquaculture Data Base No.: 6703
- 3565** **1979**  
**EXOTIC SPECIES IN AQUACULTURE.**  
 MANN, R.  
 OCEANUS 22 (1), 29-35.  
 Aquaculture Data Base No.: 6963
- 3566** **1979**  
**EXOTIC SPECIES IN MARICULTURE. APPENDIX 1.CODE OF PRACTICE TO REDUCE THE RISKS OF ADVERSE EFFECTS ARISING FROM INTRODUCTION OF NONINDIGENOUS SPECIES.**  
 MANN, R.  
 EXOTIC SPECIES IN MARICULTURE. THE MIT PRESS, 355-357.  
 Aquaculture Data Base No.: 7687
- 3567** **1979**  
**EXOTIC SPECIES IN MARICULTURE. BIOLOGICAL IMPACTS OF INTRODUCED SPECIES AND MANAGEMENT POLICY IN FLORIDA.**  
 COURTENAY, W.R., JR.  
 EXOTIC SPECIES IN MARICULTURE. THE MIT PRESS, 237-257.  
 Aquaculture Data Base No.: 7682
- 3568** **1979**  
**EXOTIC SPECIES IN MARICULTURE. EXOTIC SPECIES IN AQUACULTURE: AN OVERVIEW OF WHEN, WHY AND HOW.**  
 MANN, R.  
 EXOTIC SPECIES IN MARICULTURE. THE MIT PRESS, 331-354.  
 Aquaculture Data Base No.: 7686
- 3569** **1979**  
**EXOTIC SPECIES IN MARICULTURE. LAW, POLITICS AND BIOLOGY: AQUACULTURE IN THE PRIMORDIAL OOZE.**  
 BOWDEN, G.  
 EXOTIC SPECIES IN MARICULTURE. THE MIT PRESS, 306-330.  
 Aquaculture Data Base No.: 7685
- 3570** **1979**  
**EXOTIC SPECIES IN MARICULTURE. THE FEDERAL ROLE IN REGULATING SPECIES INTRODUCTIONS INTO THE UNITED STATES.**  
 BROWN, W.Y.  
 EXOTIC SPECIES IN MARICULTURE. THE MIT PRESS, 258-264.  
 Aquaculture Data Base No.: 7683
- 3571** **1979**  
**EXOTIC SPECIES IN MARICULTURE. THE OYSTER INDUSTRY OF MASSACHUSETTS AND THE INTRODUCTION OF EXOTIC SPECIES.**

- MATTHIESSEN, G.C.  
EXOTIC SPECIES IN MARICULTURE. THE MIT PRESS, 212-224.  
Aquaculture Data Base No.: 7679
- 3572 1979  
A FISH FROM THE PAST OFFERS FOOD FOR THE FUTURE.  
HICKS, N.  
PARADE, MARCH 25, 1979, PG. 27.  
Aquaculture Data Base No.: 6415
- 3573 1979  
FRESHWATER MANINI: A NEW POSSIBILITY FOR AQUACULTURE.  
RICHARDS, R.W.; ANIBAN, L.N.  
PROCEEDINGS OF THE FOURTH ANNUAL STUDENT SYMPOSIUM ON MARINE AFFAIRS, JAN. 11-13, 1979, UNIHI-SEAGRANT-79-02, 106-112.  
Aquaculture Data Base No.: 8628
- 3574 1979  
LES POTENTIALITES GEOGRAPHIQUES ET TECHNIQUES DU LITTORAL LANGUEDOCIEN POUR L'AQUACULTURE DES THONS.  
BARNABE, G.  
CNEXO. ACTES DE COLLOQUES 8, 203-207. (IN FRENCH WITH ENGLISH ABSTRACT).  
Aquaculture Data Base No.: 6705
- 3575 1979  
A new species of the genus *Myxobolus* (Myxosporidia, Myxobolidae) from the gill filaments of the carp (reared in a fishery pond). RUSSIAN.  
IAkovchuk, T.A.  
Parazitologiya; v. 13, (6), p. 635-636. ill. Nov/Dec 1979. (Leningrad: "Nauka".)  
NAL Call No.: QL757.A1P32
- 1978
- 3576 1978  
CULTURE OF EXOTIC SPECIES IN ISRAEL.  
TAL, S.; ZIV, I.  
BAMIDGEH 30 (1), 3-11.  
Aquaculture Data Base No.: 7322
- 3577 1978  
AN EXPERIMENTAL ASSESSMENT OF THE AQUACULTURE POTENTIAL OF THE BROWN MUSSEL, *MODIOLUS METCALFEI*.  
YAP, W.G.  
SEAFDEC AQUACULTURE DEPARTMENT.  
QUARTERLY RESEARCH REPORT 2 (2), 19-23.  
Aquaculture Data Base No.: 6674
- 3578 1978  
FAST-GROWING GRASS CARP RATED GOOD SPECIES FOR AQUACULTURE.  
AVAUULT, J.W., JR.  
THE COMMERCIAL FISH FARMER AND AQUACULTURE NEWS 4 (2), 42-43.  
Aquaculture Data Base No.: 4541
- 1977
- 3579 1977  
A COMPARATIVE STUDY OF THREE SPECIES OF PENAEID PRAWNS AND THEIR SUITABILITY FOR POLYCULTURE WITH FISH IN THE FIJI ISLANDS.  
GUNDERMANN, N.; POPPER, D.  
AQUACULTURE 11 (1), 63-74.  
Aquaculture Data Base No.: 4230
- 3580 1977  
MARICULTURISTS STUDY SOUTH AMERICAN AND NATIVE SPECIES OF SHRIMP.  
COLUNGA, L.  
THE UNIVERSITY AND THE SEA, TEXAS A AND M UNIVERSITY SEA GRANT REPORT 10 (5), 4-5.  
Aquaculture Data Base No.: 6610
- 3581 1977  
THE PURPLE-HINGE ROCK SCALLOP: A NEW CANDIDATE FOR MARINE AQUACULTURE.  
LEIGHTON, D.L.; PHLEGER, C.F.  
PROCEEDINGS OF THE EIGHTH ANNUAL WORKSHOP WORLD MARICULTURE SOCIETY, SAN JOSE, COSTA RICA, 457-469.  
Aquaculture Data Base No.: 8286
- 3582 1977  
SEAWEEDS, PROMISE IN MARINE PLANTS RESEARCH.  
COOPER, M.E.; WINDSOR, M.L.  
FISHING NEWS INTERNATIONAL 16 (7), 41-45.  
Aquaculture Data Base No.: 3992
- 3583 1977  
SUITABILITY OF CULTURED TOPMINNOW *POECILIA VITTATA*, FAMILY POECILIIDAE, AS A LIVE BAITFISH FOR SKIPJACK TUNA, *KATSUWONUS PELAMIS*, IN THE TROPICAL PACIFIC.  
BALDWIN, W.J.  
U.S. DEPARTMENT OF COMMERCE, NOAA TECHNICAL REPORT, NMFS CIRC.408, 149-155. (REPRINT).  
Aquaculture Data Base No.: 7368
- 3584 1977  
TILAPIA: POTENTIAL AQUACULTURE CROP FOR HAWAII.  
DAEHLER, T.L.; KING, L.L.  
PROCEEDINGS OF THE SECOND ANNUAL STUDENT SYMPOSIUM ON MARINE AFFAIRS, MAY 27, 1977, UNIHI-SEAGRANT-MR-77-02, 76-85.  
Aquaculture Data Base No.: 8620
- 1976
- 3585 1976  
CRITERIA FOR CANDIDATE SPECIES FOR AQUACULTURE.  
WEBBER, H.H.; RIORDAN, P.F.  
AQUACULTURE 7 (2), 107-123.  
Aquaculture Data Base No.: 2572
- 3586 1976  
Fish of rare breeding :: Salmon and trout of the Donaldson strain.  
Hines, Neal O.



Washington : Smithsonian institution press., 1976. 167 p.  
: ill.  
NAL Call No.: SH155.5.H56  
(Bibliography: p. 162-167.)

1975

3587 1975  
ON THE GREY MULLET OF THE NIGERIAN  
COAST, PROSPECTS OF THEIR CULTURE AND  
RESULTS OF TRIALS.  
SIVALINGAM, S.  
AQUACULTURE 5 (4), 345-357.  
Aquaculture Data Base No.: 2358

3588 1975  
OPERATIONAL EXPERIENCES WITH THE  
WHITE AMUR IN WEED CONTROL PROGRAMS.  
BAILEY, W.M.  
PROCEEDINGS OF A SYMPOSIUM ON WATER  
QUALITY MANAGEMENT THROUGH  
BIOLOGICAL CONTROL, JAN., 1975, 75-78.  
Aquaculture Data Base No.: 4808

1974

3589 1974  
INVESTIGATION ON THE AQUACULTURE  
POTENTIAL OF MARINE ORGANISMS IN  
PUERTO RICO.  
WATTERS, K.W.  
PUERTO RICO. COMMERCIAL FISHERIES  
RESEARCH AND DEVELOPMENT ACT, FINAL  
REPORT PROJECT 2-184-R. 37P. (UNPUBLISHED  
MATERIAL).  
Aquaculture Data Base No.: 2234

3590 1974  
SIGANIDS. THEIR BIOLOGY AND  
MARICULTURE POTENTIAL.  
LAM, T.J.  
AQUACULTURE 3 (4), 325-354.  
Aquaculture Data Base No.: 2625

1973

3591 1973  
THE COMMERCIAL FEASIBILITY OF REARING  
POMPANO, TRACHINOTUS CAROLINUS  
(LINNAEUS), IN CAGES.  
SMITH, T.I.J.  
UNIV. MIAMI SEA GRANT PROGR., TECH. BULL.  
NO. 26, 62 PP.  
Aquaculture Data Base No.: 5157

3592 1973  
FLOUNDER A POTENTIAL AQUACULTURE  
CROP.  
STICKNEY, R.R.; WHITE, D.B.  
SEA FRONTIERS 19 (5), 270-276.  
Aquaculture Data Base No.: 1977

3593 1973  
THE INTRODUCTION OF THE FRESH WATER  
PRAWN, MACROBRACHIUM ROSENBERGII (DE  
MAN), INTO MAURITIUS.  
ARDILL, D.; JENSON, R.; JUGNARIAN, B.;  
THOMPSON, R.K.

REVUE AGRICOLE ET SUCREIERE DE MAURICE  
52, 6-11. (REPRINT).  
Aquaculture Data Base No.: 8448

3594 1973  
A study of the fish population of the Ubangui River and  
the attempts at selection and adaptation of some species  
from a fish culture pond. Etudes des populations  
piscicoles de l'Ubangui et tentatives de selection et  
d'adaptation de quelques especes a l'etang de  
pisciculture. FRE.  
Micha, J C.  
Nogent-sur-Marne, Centre technique forestier tropical.  
1973. 110 p. illus.  
NAL Call No.: SH125.Z2M5  
(Bibliography: p. 108-110.)

1972

3595 1972  
Numerical taxonomy of coryneform bacteria isolated  
from pond-reared shrimp (*Penaeus aztecus*) and pond  
water.  
Vanderzant, C; Judkins, P W; Nickelson, R; Fitzhugh, H  
A.  
*Appl Microbiol.* 23 (1): 38-45. Jan 1972. .)  
NAL Call No.: 448.3 AP5

3596 1972  
STRIPED BASS INTRODUCTION.  
BONN, E.W.  
TEXAS PARKS AND WILDLIFE DEPARTMENT,  
AUSTIN, TEXAS. PROJECT F-8-R-18, 12P.  
Aquaculture Data Base No.: 3715

3597 1972  
STUDIES ON CULTURE AND DOMESTICATION  
OF TUNA, BILLFISH, AND OTHER LARGE-SIZED  
OCEANIC FISH - 2.ON LONG TIME CULTURE OF  
SKIPJACK AND TUNAS IN TRAINING POOL ON  
LAND.  
SUZUKI, K.; NISHI, G.; SHIOBARA, Y.; INOUE, M.;  
IWASAKI, Y.  
JOURNAL OF THE COLLEGE OF MARINE  
SCIENCE AND TECHNOLOGY TOKAI  
UNIVERSITY 6, 79-88.  
Aquaculture Data Base No.: 202

3598 1972  
THE WHITE AMUR...A STAR.  
ABLES, A.  
AMER. FISH FARMER WORLD AQUACULT.  
NEWS 3(6), 4-5.  
Aquaculture Data Base No.: 5145

1971

3599 1971  
AIDS FOR IDENTIFICATION OF BIVALVE  
LARVAE IN VIRGINIA.  
CHANLEY, P.; ANDREWS, J.D.  
MALACOLOGIA 11 (1), 45-119.  
Aquaculture Data Base No.: 257

1970

3600

1970

TAXONOMY AND BIOLOGY OF TROPICAL  
FIN-FISH FOR COASTAL AQUACULTURE IN THE  
INDO-PACIFIC REGION.

GOPALAKRISHNAN, V.

COASTAL AQUACULTURE IN THE  
INDO-PACIFIC REGION. P. 120-149. FISHING  
NEWS (BOOKS) LTD., LONDON.

Aquaculture Data Base No.: 770





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BRANCH, M.R.	1599, 2379	BURLE, E.	1577	CASNE, S.R.	1148
BRAND, C.	2485	BURNS, DAVID.	1229	CASTAGNA, M.	2699, 2975, 3385
BRANDL, Z.	1724	BURNS, G F.	979	CASTAGNOLLI, N.	657, 2164
BRANNON, E.	424, 2883	BURNSIDE, M.C.	799	CASTELL, J.D.	2354
BRANNON, E.L.	2682, 2743	BURROWS, R.E.	1685, 1833, 3027	CASTILLO-D., R.M.	1913
BRAUER, E.P.	1580	BURTON, D.T.	1051	CASTILLO, A.C.	2167
BRAUHN, JAMES L.	2685	BURZELL, L.A.	3393	CASTRO, W.E.	2393
BRAUN-NESE, R.	877	BUSA, W.B.	362	CASTRO BUTTER, E.	2622
BREBER, P.	635	BUSCH, A.	1266	CATO, J.C.	3251, 3307
BREESE, W.P.	603, 627, 2723	BUSCH, C.D.	1332, 2724	CATTANEO, A.	1174
BRENNAN, D.J.	259	BUSMAN, S.	2731	CAUDLE, N.	1768
BRETON, B.	373, 600, 1471	BUSS, K.W.	1820	CAUL, J F.	3220
BRETONNE, L.W. DE LA.	2828	BUT, V.P.	1562	CAVALCANTI, S S.	1675
BRETT, J.R.	251	BUTCHER, W.	3250	CAVARI, B.Z.	1410
BREUER, J.P.	2325	BUTEAU, J.	3250	CEDRINS, RAINIS.	3358
BRICK, R.E.	3289	BUTLER, R.L.	1965	CESCHIA, G.	894, 1486
BRICK, R.W.	2338, 2488	BUTLER, T. H.	2203	CHAIYAKAM, K.	1634
BRIGGS, P.	3443	BUYNAK, G.L.	606	CHAKRABARTY, R.D.	2145, 2621, 3118, 3123
BRINGSVOR, ALFRED.	645	BUZETA, M.I.	659	CHAKROFF, MARILYN.	2611
BROCK, I.R.	1146	BYLUND, G.	903	CHAKROFF, M.S.	103
BROCKMANN, L.	1766	BYRNE, JACK.	2190	CHALFANT, J.S. JR.	2138
BRODY, T.	552, 616, 773, 2247	CABALLERO, H.	2690	CHAMBERLAIN, G.	444
BROMAGE, N.R.	373	CABANGBANG, B.C.	2272	CHAMBERLAIN, G.W.	2246
BROOKER, M.P.	1069	CABRAAL, R.A.	1952	CHAMBERLIN, T.W.	1034
BROOKS, M.J.	374	CABRERA-J., J.A.	1913	CHAN, E.H.	1475
BROOM, J.C.	3035	CABRERO, J.	2596	CHAN, G L.	2800, 2830
BROOM, J.G.	2934	CAILLOUET, C.W.	1700, 2927	CHANDRA, K.	2146
BROUSSARD, A.	2202	CAILLOUET, C.W. JR.	1736	CHANEY, E.	380
BROWN, C.	879	CALANTOC, A.A.	2468	CHANG, C.Y.	678
BROWN, C.M.	1824, 2226	CALAPRICE, J.R.	1261	CHANG, D.S.	2030
BROWN, D.E.	182, 3140	CALBERT, H.E.	739, 2651	CHANG, L.W.	695
BROWN, D.J.A.	358, 2693	CALBO, L.J.	3067	CHANG, Y.-S.	725
BROWN, E.	2526	CALDER, DALE R.	2820	CHANG, Y.H.	651
BROWN, E.E.	283, 350, 3060, 3426, 3491, 3514, 3524	CALLAGHAN, D.W.	2784	CHANG, Y.J.	3106
BROWN, E. EVAN.	2078, 3407	CALLAGHAN, S.S.	2784	CHANLEY, M.M.	1856
BROWN, H.	1215	CALLO, P.A.	3439	CHANLEY, P.	3599
BROWN, J. E.	2541	CALLO, R.A.	225, 775, 975, 2669, 2670, 2671, 3115, 3430, 3431, 3432, 3433, 3434, 3435, 3436, 3437, 3438	CHAO, M.C.	467
BROWN, JOSEPH E.	244	CAMACHO, A.S.	1104	CHAO, N.-H.	3352
BROWN, R.H.	2962	CAMEJO, Z.	2037	CHAPELL, J.A.	374
BROWN, R.L.	3379	CAMPBELL, J.	127	CHAPMAN, D.J.	1025
BROWN, WILLIAM G.	3399	CAMPBELL, P.	2506	CHAPMAN, D.W.	632
BROWN, W.Y.	3570	CAMPOS, E J.	1675	CHAPMAN, S.R.	1932, 1988, 3524
BROWNE, M.G.	2808	CANCELLIERI, SANDRO.	2122	CHAPPELL, J.	589
BROWNELL, W.N.	2497	CANDIDO, E.P.M.	361, 401	CHAPPELL, J.A.	692
BROWNING, M.E.	990	CANE, A.	1998	CHAPUT, L.W.	2204
BRUDASTOVA, MARIIA ALEKSEEVNA.	3069	CANGE, S.	1412	CHARYEV, R.	2734
BRUGGEMAN, E.	1501, 2351, 2456	CANN, D C.	982, 997, 998	CHASE, D.L.	809
BRUIN, W.	1946	CANTERBERY, E RAY.	201	CHASTON, I.	248
BRUNGER, A.	846	CANTONI, C.	878	CHATTERJEE, D.K.	3123
BRUYA, K.J.	247	CAPPER, B.S.	1390	CHATTERJI, A.	451
BRY, C.	891, 1799	CARACCILOLO, S.	1355	CHAUDHURI, H.	3118, 3123
BRYANT, P.L.	1427, 1538	CARANDANG, F L.	3447, 3476	CHAVIN, W.	2616, 2735
BUCH, A.U.	1926	CARAVAJAL, J.	52	CHEEKE, P R.	1239
BUCHANAN, DAVID V.	447	CAREFOOT, T.	189	CHELLAM, A.	1048, 1885
BUCHAUL, J.	2782	CAREY, T.G.	2193	CHELLAPPA, N.T.	1521, 2173
BUCHWALD, A.	1273	CAREY, W.E.	387	CHEN, H.C.	1365
BUCK, DAVID HOMER.	2243	CARINO, V.S.	394	CHEN, LING-YANG.	900
BUCK, D.H.	1178, 1221, 1653, 1941, 2413, 2505, 2997, 2999, 3043	CARKNER, R.	1993	CHEN, T.P.	1751, 1989, 2109, 2514, 2588, 3544
BUCK, E.H.	44, 2447	CARLBERG, J.M.	1254, 1275, 2018, 2755	CHENEY, D.	617
BUCK, H.	1619	CARLETON, C.	195	CHENG, S H.	1313, 1339
BUCKE, D.	880	CARLINE, R.F.	402, 1474	CHENOWETH, H.H.	2850, 3027
BUCKLEY, R.M.	719	CARLSON, D.M.	1933	CHEONG, S.C.	3106
BUDIONO, M.	2731	CARLSON, E.W.	3539	CHEPURNOV, A.V.	226
BUDRIENE, S.F.	443	CARLTON, E.	3130	CHERFAS, B I.	817, 842
BULLOCK, G.L.	264, 966	CARMIGNANI, G.M.	970, 2534	CHERNIAVSKII, G. I.	45
BUMPUS, D.F.	217	CARPENTER, R L.	1244, 1295	CHERVINSKI, J.	614, 2195, 2704, 2705
BURCK, WAYNE A.	2451	CARR, M.I.	2944	CHESHIRE, W.F.	1733
BURGESS, G.H.O.	62	CARROLL, BILLY B.	3066	CHESNESS, J.L.	1319, 3514, 3524
BURGOS W, M.	1561	CARROLL, P.N.	3139	CHESNEY, E.J. JR.	2808
		CARTER, N.E.	3129	CHESTNUT, A.F.	1358
				CHETKOV, M.A.	594



CHEUNG, S.P.	1552	COLURA, R.L.	1280	CRUMPTON, J.E.	746
CHEUNG, Y.H.	1067, 1420	COLVIN, B.	2485	CRUZ, ARMANDO A. DE LA.	3092
CHEVERIE, J.C.	439	COLWELL, R.R.	849	CRUZ, C.R. DELA.	2108, 2115
CHEW, K.K.	1167, 1805	COMI, G.	878	CRUZ, E.M.	2168, 3094
CHEW, L.E.	1851	COMPTON, L.V.	2694	CRUZ, W.M.	2156
CHHAYA, N.D.	1926	CONARY, C.	1988	CUENCO, M.L.	1129, 2185
CHHORN, L.	1693	CONCANNON, G.	2237	CULLEY, D.D.	914
CHIANG, W.	1747	CONDREY, R.E.	1714	CULLEY, D.D., JR.	1345, 1728, 1771, 3158
CHICHESTER, C.O.	1433	CONKLIN, D.E.	3414	CULLEY, DUDLEY D.	3509
CHICHESTER, H.G.	1295	CONNELL, J. J.	3137	CUMMING, K.B.	801, 1732
CHIDAMBARAM, K.	2217	CONNER, J.R.	1929, 3240, 3281	CUNHA, H.	3311
CHIEN, CHIU-YUAN.	900	CONNER, J.V.	3068	CUNNINGHAM, B.T.	1934
CHIEN, Y.	2389	CONNOR, L. J.	2558	CUNNINGHAM, S.	2053, 2468
CHIEN, Y.-H.	2169	CONRAD, J.F.	848	CURTIN, L.	1322
CHIEREGATO, A.R.	1515	CONRAD, J.M.	1787	CUTLER, M.R.	2437, 2446
CHIERICATO, G.M.	19	CONROY, P.	3254	CUYVERS, L.	20
CHIN, P.	2030	CONTE, F.S.	41, 485, 861, 934, 3473	CUZON, G.	1848
CHING, V.C.	1458	COOK, A.K.	2747	CYRINO, J.E.P.	657
CHISLETT, G.R.	3242	COOK, C.	3088	CZARNOCKI, J.	1413
CHITTY, N.	1983	COOK, D.W.	1617	D'AOUST, B.	885
CHO, C.H.	2030	COOK, H.	2133	D'ELIA, C.F.	1237, 1669
CHO, C.Y.	1139	COOK, H.L.	2545	D'ERMO, D.	3135
CHONG, K.-C.	3325	COOK, R.C.	377	DABROWSKI, K.	1413, 1456, 1479, 1505
CHOUINARD, AMY.	583	COOKE, B.W.C.	2032, 2095	DABROWSKI, K.R.	1400, 1401
CHOWDHARY, A.Q.	558	COOPER, B.D.	3121	DADZIE, S.	375, 452
CHOWDHURY, A.Q.	1853	COOPER, J.C.	417, 1835	DAEHLER, T.L.	3584
CHOY, C.K.	1067	COOPER, M.	2494	DAHMS, A.S.	1297
CHRISTENSEN, M.S.	597, 1476	COOPER, M.E.	3582	DAHRENS, O.F.	456
CHRISTENSEN, N.O.	874, 985	COOPER, R.C.	1346	DALE, R.W.	707
CHRISTIE, P.	381	COOPER, R.C.	1346	DAMILANI, R.	1999
CHRISTOPHER, F.M.	934	COOPREMAN, A.	2351	DAMMANN, A.E.	1907
CHUA, T.-E.	2369, 2391	COPELAND, J.	785	DANALD, D.	2485
CHUA, T.E.	2355, 3308	COPEES, P.	1964, 2021	DANIEL, P.A.	199
CHUA, THIA-ENG.	2499	COPPINGER, E.	2492	DANIELSON, L.E.	3253, 3310
CHUBB, JAMES C.	958	CORAZZA, L.	937	DANILENKO, T.P.	523
CHUBB, J.C.	904	CORBIN, J.S.	104, 202	DANNER, M.	3051
CHUVATOVA, A.M.	841	CORDOVER, R.D.	1731	DARE, P.J.	501
CLADY, M.D.	453	CORFF, N.J.	186	DARRAH, L. B.	3363, 3476
CLARK, D.F.	1695	CORNELL, C.	3384	DARROW, T.	3142
CLARK, J.H.	2831	CORNICK, J.W.	1017, 2550	DAS, R.N.	1092
CLARK, W.H.	485	CORREDOR, G.G.	2057	DASSOW, J.A.	3173, 3181
CLARNER, J.P.	1287, 1721	CORRIE, JOHN.	2292	DAUB, R.R.	1706
CLAUS, C.	613	CORTESI, PAOLO.	1199	DAVIDSON, J.R.	303, 3506
CLAUSNITZER, H.J.	1304	CORWIN, N.	1311, 1356	DAVIES, D.S.	1038
CLAYTON, J.G.	814	COSTA, C.	646	DAVIES, W.D.	465, 2865, 3093, 3111
CLAYTON, L.	3260	COSTA, P.F.	555	DAVIS, D.	655
CLEMENS, H.P.	1670, 2617	COSTA, R.S. DA.	3327	DAVIS, E.M.	1652
CLEPPER, HENRY EDWARD.	2692	COSTELLO, T.J.	2126, 2889, 2961	DAVIS, J.C.	1956
CLIFTON, J.A.	3336	COTE, Y.	1798	DAVIS, J.T.	18, 2479, 2990
CLUTTER, R.I.	3128	COURTENAY, W.R., JR.	3567	DAVY, BRIAN.	913
COATES, J.A.	2898	COUSTEAU, J.-Y.	184	DAVY, F.B.	220
COATS, R.E. JR.	3236	COUTANT, C.C.	721	DAVY, F. BRIAN.	583, 2289
COBB, B.F.	3223	COVEY, L.H.	3060	DAWLEY, E.M.	2070
COBB, J.S.	2737	COWAN, D.	330	DAY, P.	2742
COCHE, G.	2612	COWAN, L.	580	DAYE, P.G.	642
CODOMIER, L.	1053	COWEY, C.B.	1459	DAYUAN, C.	609
COFFEY, B.T.	298	COWLEY, R.C.	625	DEAN, D.	1932
COGGER, B.M.G.	3401	CRACKNELL, T.J.	3420	DEATRAS, N.	1137, 1514
COHEN, D.	2247	CRAIG, F.S., III.	191	DEBLOIS, N.	2431
COHEN, S.	376	CRAIG, J.F.	2093	DEBOER, J.A.	1669, 2383, 2528, 2595, 3110, 3117
COHEN, Y.	370	CRAWFORD, KENNETH.	3461	DEBUSK, T.A.	3084
COLE, R.C.	3379	CRAWFORD, K.W.	2593, 3394	DECELL, J.L.	1211
COLEMAN, M.S.	1244, 1295	CRAWFORD, S.A.	1085, 1159	DECELL, JOSEPH LEWIS.	2483
COLEMAN, R.	2623	CREMER, M.C.	92, 3228	DECROSTA, A.	2453
COLGAN, P.W.	728	CREMET, M.C.	7	DEESE, H.	2542
COLLE, D.E.	1614, 2508	CRIM, L.W.	384	DEGNER, ROBERT L.	3201
COLLETTE, C.	641	CRISP, D.T.	559	DEHADRAI, P.V.	2005
COLLIER, W.L.	15	CRITES, R.W.	3350	DE KIMPE, P.	2791
COLLINS, M.R.	1454	CROCHET, DAN W.	2581	DEKORNE, JAMES B.	2753
COLLINS, N.C.	1128	CROSS, D.	176, 2080, 2455, 3391	DE LA BRETONNE, L., JR.	756
COLLINS, R.A.	2894, 2953, 3416	CROSS, D.W.	765	DE LA BRETONNE, L.W.	1331, 2993
COLLINSWORTH, D.W.	3475	CROSSMAN, E.J.	2290		
COLT, J.	1041	CROWDER, B.	858		
COLT, J.E.	1054	CROWE, J.H.	362		
COLUNGA, L.	3580	CRUMLEY, B.L.	3395		
COLURA, B.	758				

DE LA PENA, M.J.L.	2280	DRECUN, D.	599	ENCARNACION, E.N.	59, 60,
DELLA SALA, P.	1588	DRENNER, R.W.	1393		3290, 3291
DELMENDO, M.N.	64, 2624,	DRISCOLL, R.S.	155	ENG, D.	1443
	3416	DROBECK, K.G.	1330	ENG, P.	1938
DELONG, L.A.	172	DRUBEN, LAUREL.	2611	ENGLAND, D.C.	1239
DE LOS REYES, C.	710	DUBROVIN, V.N.	1567	ENGSTROM-HEG, R.	1939
DELOS SANTOS, C., JR.	3337	DUCHROW, R.M.	2849	ENGSTROM, D.G.	1981
DELUCA, D.	1999	DUDLEY, J.E.	1692	ENRIGHT, C.T.	1201
DE MESA, I.E.	457	DUDLEY, N.	2067	ENTENMANN, B.	1424
DENDY, JOHN S.	3074	DUFFER, WILLIAM R.	2420	EPIFANIO, C.E.	1488, 2866
DENDY, J.S.	684	DUGGAN, W.	2975	EPLER, P.	565
DENNIS, L.	2815	DUKHOVSKI, M.K.	832	EPPS, E.A.	914, 1728
DENOY, J.S.	1709	DUNCAN, B.	2020	ERDMAN, D.S.	2908
DENUCE, J.M.	414, 547	DUNCAN, B.L.	92	ERICKSON, J.D.	1818
DE PAUW, N.	1487	DUNHAM, R.A.	374	ERMAN, Y.E.	1755
DEREVYAGINA, N. G.	3162	DUNSETH, D.	1671, 2521	ERNST, L. K.	1283
DESAUTELS, D.	899	DUNSETH, D.R.	936	ERSOZ, A.	3402
DESHIMARU, O.	1497	DUNSTAN, W.M.	1351, 1356,	ESCHMEYER, P.T.	2882
DESTAJO, W.H.	1612		1360, 1718, 1723	ESCRITOR, G.L.	3017
DE SYLVA, D.P.	1794	DUPONT, E.		ESKILDSEN, U.	991
DETWYLER, R.	531	DUPREE, H.K.	532, 875,	ESPINOSA V. DE.	52
DEUFEL, J.	1000		2361	ESQUIERS, P.G.	3463
DEUTSCH, HANK.	2696	DUPUY, J.	192	ESTENOR, D.	2342
DEV, D.S.	1779	DURANT, D.F.	895	ESTEPA, F.	2342
DEVARAJ, K V.	959, 1491,	DUREZA, V.A.	500	ESTES, THOMAS S.	2644
	1664, 1699	DURONSLET, M.J.	485	EVANGELISTA, C L.	1638
DEVIK, O.	1256	DUTHU, G.S.	1676	EVANS, M.C.	2431
DEWAN, S.	1522	DUTROW, R.W.	3351	EVANS, N.	3341
DEWITT, F.A. JR.	1346	DWIVEDI, S.N.	449, 2104,	EVANS, R.	1413
DEY, R.K.	718		2174, 2477	EVEREST, F.H.	1035, 1922
DEYOE, C.W.	1651, 1716	DWYER, J.F.	3368	EVEREST, FRED H.	1335
DHAWAN, R.M.	1432, 1825	DYE, H.M.	584	EVERHART, WATSON HARRY;	
DHULKHED, M.H.	2142	EALLES, J.G.	355	1918-	2733
DIAMANTIS, B.	825	EARNEST, R D.	1363	EVERSOLE, A.G.	865, 924
DIAZ, E.L.	512	EASLEY, J.E., JR.	3253, 3310,	EVTUSHENKO, N.IU.	1507
DICKHOFF, W.	581		3396, 3406, 3418	EWART, J.	3168
DICKHOFF, W.W.	405	EASTCOTT, A.	1405	EWING, R. D.	462, 2237,
DILLARD, J.	3415	EBEL, W.J.	885		2317
DILLARD, JOE G; ED.	2921	EBLE, A.F.	2323, 2431,	EZENWA, B.	1411
DILLON, OLAN W.	2986, 3044		2506, 2507, 2524, 2562	FACTOROVICH, K.A.	974
DILLON, O.W. JR.	203, 2694	ECHEVERRI R, R.	2749	FAGERLUND, U.H.M.	355, 421,
DIMENTMAN, C.	1650	ECKSTEIN, B.	376, 780		470
DIMITROV, M.	1705	EDDIE, G.C.	3099	FAHY, E.	1544
DING, L.	609	EDSALL, C.C.	538	FAINA, R.	1441
DISALVO, L.H.	1179	EDWARDS, A.	2594	FAIR, P.H.	1481
DI SILVERSTRO, C.	1355	EDWARDS, DAVID JOHN.		FANG, Y.C.	593
DIXON, D.A. JR.	1929, 3240		2442	FANTUZZI, R.	1862
DIXON, O.W.	917	EDWARDS, D.J.	2423	FARIA, N.M. DE O.	2068
DJAJADIREDA, R.	269, 1754,	EDWARDS, P.	1524, 1549,	FARLEY, D.G.	3095
	2089, 2360		1886, 1887, 1888	FARMANFARMAIAN, A.	1202, 1217,
DOBAY, R.	1183	EDWARDSON, W.	3423		1230, 1235, 1399, 2506
DOBBELEIR, J.	1501, 2351	EGERT, JAN.	3052	FARMER, A.S.D.	1957
DOBKIN, S.	784	EGRI, L.	1183	FARMER, M.W.	476
DOBSON, W.D.	3496	EGUSA, S.	533, 952	FASSLER, C.R.	81, 125,
DODGE, C.H.	44	EHLINGER, N.F.	745		2409, 3231
DODGE, W.T.	1861	EIPPER, ALFRED W.	2733	FEDORENKO, V I.	1283
DONALDSON, E.M.	584, 957	EIPPER, A W.	2958	FEDOROVA, L.S.	771
DONALDSON, J.R.	242, 267,	EISAWY, A.M.	2788	FEDYAEV, V.E.	3523
	2663	EISENBERG, D.	2046	FEINSCHREIBER, R.	3237
DONALDSON, L.	424	EITENMILLER, R.R.	3203	FELDMAN, L.G.	3376
DONALDSON, L.R.	9, 158,	EKLUND, LOUISE F.	2151	FELDMANN, C.	424
	2192, 2682, 2925	EKLUND, M.W.	848	FELDMANN, C.L.	2743
DONNELLY, R F.	992	EL-ZAHR, C.	608	FENDRICK, J.L.	866
DOOLITTLE, A.M.	1981	EL-ZENINY, M.	1382	FENNER, F R.	3185
DOR, I.	502, 1650	ELAM, L.	2930	FERGUSON, H.W.	1061
DORBAND, W.R.	1254, 1275,	ELAM, L.L.	2780, 3032	FERNANDES, S.G.	3311
	2755	ELDANI, A.	561	FERNS, P N.	1672
DORSEY, K.T.	2818	ELDRIDGE, M.B.	1443	FERRARI, I.	1515
DORYSHEV, S.	276	ELDRIDGE, PETER J.	2748	FERRERA, C.R. DE C.	3327
DOUEY, D.	899	ELEFANO, S.C.	2167	FERRERA DE SOUZA, T.P.	
DOUGLAS, J.H.	1314	ELIASSEN, M.	1847		1277
DOVE, G.R.	1651	ELLARSON, ROBERT S.	2793	FESSLER, F.R.	3546
DOW, R.L.	324, 1116,	ELLERTSEN, B.	2652	FFRENCH, RUDOLPH A.	3500
	3012	ELLIOT, E.L.	849	FICKEISEN, D.H.	2069
DOWLING, J.E.	356	ELLIS, J.	2864	FIEBIG, H.	893
DOWNNEY, P.C.	1028	ELLIS, J.E.	3101	FIELD-DODGSON, M.S.	582
DOYLE, R.W.	656	ELSTON, R.	849, 862	FIELDER, D.R.	564
DRABLOS, D.	1108	EMMERSON, W.D.	566	FIJAN, N.	2971



FIK, M.	3224	FUTCH, C.R.	531	GIUDICE, J.	1775
FIL'CHAGOV, L.P.	2236	GABELHOUSE, D.	1909	GJEDREM, T.	576, 671, 1769
FILATOVA, A.K.	1534	GAGNE, JEAN LUC.	2519	GJEFSEN, T.	1457
FILIPIAK, J.	1858	GALASUN, PETR TARASOVICH.	965	GLAZACHEVA, I. V.	1264
FINKBEINER, K.	2825			GLEZMAN, G.M.	2616
FINLEY, W.	3120	GALASUN, P.T.	525, 810	GLOMB, S.J.	499
FISH, H.	1344	GALAT, J.R.	3082	GLUDE, J.	105
FISHMAN, P.H.	1628	GALL, G A E.	790	GLUDE, J.B.	136, 137, 1003, 1223, 1805, 1914, 2380, 2390, 2408, 2415, 2460, 2461, 2547
FITZGERALD, W.J., JR.	4, 96	GALLUCCI, V.F.	2050	GLUDE, JOHN B.	188
FITZHUGH, H A.	3595	GARCIA-BADELL LAPETRA, JOSE JAVIER.	2013	GODBOUT, R.	570
FITZPATRICK, L.C.	488	GARDEAGABAL, M.	2481	GODDARD, J.S.	3347
FLAGG, VIRGINIA G.	2462	GARDNER, P.N.	1811	GODFRIAUX, B.	1883
FLEEGE, D.	2055	GAREY, J.	670	GODFRIAUX, B.L.	1187, 1860, 2430, 2506, 2556, 2562
Flickinger, S.A.	586, 675, 1384, 1560	GARNER, CARROLL R.	3497	GODIFRIAUX, B.	1882
FLIK, B.J.G.	391	GARRELL, M.H.	1804	GODIN, J.G.J.	1436
FLINN, A.M.	1505	GARSHIDE, E.T.	513	GODWIN, D.S.	2959
FLINT, R.W.	1306	GARY, D.L.	2710, 3459	GOEBEL, R.	2046
FLORES, R.S.	690	GARZA, C.R.	1648	GOFF, J.L.	3351
FLORIO, D.	2310	GATES, J M.	253, 3261, 3370, 3495, 3515, 3519	GOFF, L J.	955
FLUCHTER, J.	672	GATES, K.	1729	GOLDBERG, R.	2016
FOLLETT, R.	3171	GATESOUBE, F.J.	1386, 1473	GOLDMAN, C.R.	1306
FOLMAR, H.G.	465	GAUCHER, T.A.	318, 331	GOLDMAN, J.C.	1265, 1271, 1287, 1311, 1324, 1341, 1356, 1659, 1682, 1684, 1721, 2337, 2473, 2579, 2631, 2683, 2721, 2756
FONDS, M.	514	GAUDET, JEAN-LOUIS.	2977	GOLDMINTZ, D.	3176
FONTAINE, C.T.	3562	GEDDES, J.A.	469	GOLDSMITH, J.B.	3234
FONTAINE, M.	763	GEDNEY, R.H.	2624	GOLIKOV, A.N.	1236
FONTENELE, O.	3444	GEE, J.H.	423	GOLOVKOV, G A.	2643
FORD, D.	2230	GEEN, G.H.	572	GONZALES, K.	1137, 1165, 1514
FORD, E.C.	3548	GEORGE, K.V.	715	GONZALEZ, O.	2037
FORD, R.F.	1254, 1275, 1292, 2755, 2817	GEORGE, M.J.	2025	GONZALEZ C, O.	1561
FOREST, K.	1325	GEORGE, P B.	1239	GOOBY, R.	3521
FORESTER, J.S.	1205, 1613	GEORGE, T.T.	1761	GOOCH, D.	1802
FORESTER, T. S.	1204	GERARD, A.	1982	GOODLAD, J.H.	2199
FORREST, D.M.	2543	GERARD, R.G.	2994	GOODRICH, D.R.	3067
FORSHT, ELWOOD H.	1278	GERARD, V.	461, 1115	GOODSELL, J.	670
FORSTER, J.	611	GERASIMOV, V.V.	2285	GOODWIN, HAROLD LELAND.	2539
FORSYTHE, P.	2061	GERASIMOVA, T D.	2592	GOODWIN, H.L.	254, 275, 277, 2540, 2557, 2687
FORTNER, A.R.	1481	GERG'OVSKA, K.	446	GOODWIN, H.L.L.	194
FOSTER, J.E.	2450	GERHARDSSEN, GERHARD MEIDELL.	645	GOPALAKRISHNAN, V.	256, 1298, 3468, 3489, 3541, 3600
FOSTER, MICHAEL S.	2151	GERHARDSSEN, G.M.	2916, 3410	GOPALAN, U.K.	3296
FOSTER, N.R.	2739	GERKING, SHELBY D; 1918- ED.	1203	GOPINATHAN, V.G.	1825
FOSTER, THOMAS H.	3499	GERMANN, J.F.	1353	GORBMAN, A.	405
FOSTIER, A.	669	GEROCHI, D.D.	653, 1852	GORBUNOV, K.V.	1098, 2350
FOTT, J.	1107, 1325	GERSTUNG, E.R.	1985	GORDEEV, N.A.	1111, 2102
FOUCHE, L.	1917	GETCHELL, D.R.	3366	GORDIN, H.	370
FOURNIER, F.	237	GHITTINO, P.	961, 1011, 1611	GORDON, H.S.	309
FOWLER, J.F.	1307	GHIZELA, G.	1183	GORDON, M.S.	1025
FOWLER, L.G.	545	GHOSH, A.	3541	GORDON, W.G.	3553
FOX, W E.	3179	GHOSH, B.B.	706	GORE, J.A.	413
FRALICK, R.A.	3167	GHOSH, K.K.	3381	GOROBETS, L.V.	1058, 1710
FRAM, M.J.	723	GHOSH, S.R.	1184, 1291, 2145	GOSLING, E.M.	544
FRANCOIS, J.	1188	GIACHELLI, J.W.	3236	GOSSARD, T.W.	3383
FRASER, J.	3504	GIACOMELLI, L.	1948	GOTTARDI, G.	1087
FRASER, J C.	1359	GIAMALVA, M.	1597	GOTTSCALK, J.S.	3007
FREDERIX-WOLTERS, E.M.H.	897	GIBBS, E.J.	1969	GOULD, R.A.	2852
FREEZE, M.	3292	GIBSON, M.D.	228, 3442	GOVERT, J.C.	1627
FREUND, J.N.	3396	GIBSON, R.J.	1798	GOVIND, C.K.	440
FRIDGEN, P.	2324	GIBSON, R.T.	104, 2463, 3356	GRABNER, M.	1484
FRIEDRICH, F.	601	GIDDINGS, G.G.	1856	GRAHAM, MICHAEL.	913
FRIEDRICH, W.	1398, 1419	GIFFORD, C.E.	1287	GRAJGER, D.	2774
FRISONI, G.F.	1865	GIFFORD, G.E.	962	GRANADOS, R.R.	205
FRITCH, J.D.	2071	GILL, R.L.	3124, 3127, 3130, 3131, 3215	GRANNEMANN, K.L.	2460
FRITZSCHE, R.A.	639	GILLEN, A.L.	1474	GRANT, J.	1990
FRYE, G.A.	1809	GILLIES, D. G.	1533	GRANT, W.	3364
FRYER, J.L.	264, 918	GILMORE, G.H.	1284	GRANT, W.E.	1765, 2326
FUJIMORI, A.K.	3151	GILMORE, W.K.	403	GRATZEK, JOHN B.	2078
FUJIMURA, T.	1263, 3405, 3462, 3502	GINDELBERGER, B.	1757	GRAU, E.G.	420
FUKUHARA, O.	1554	GIORDANI, GIULIA.	2911	GRAUBY, A.	1220
FULLENBAUM, R.F.	3539	GIORGETTI, G.	856, 868, 894, 1083, 1486		
FULLER, S.C.	1861	GIOVANARDI, O.	1911		
FUNG, A.C.Y.	1132				
FUNK, JOHN L.	2823				
FURNESS, G.N.	2339				
FURUKAWA, A.	342, 3412				
FUSTISH, C.A.	2237				

GRAVES, J.B.	1307	HADLEY, RAYMOND S.	2348	HARRISON, N.	2781
GRAY, D.L.	228, 492,	HADLEY, R.S.	1177	HART, C.E.	2237
	2014, 2602, 2959, 3442, 3540	HAINES, H.	932	HART, K.	1770
GRAY, S.L.	1831	HAINES, K.C.	496	HARTFIEL, W.	1418, 1421
GREELAND, A.	2608	HAINES, T.A.	372	HARVEY, BRIAN J.	711
GREEN, A.W.	2780	HALAIN, C.P.	290	HARVEY, D.	2922
GREEN, D. J.	1533	HALASUN, P.T.	2320	HASEGAWA, H.	2917
GREEN, J.P.	1232	HALBROOK, W.A.	3497	HASEGAWA, S.	1027
GREEN, L.C.	2231	HALDER, D.D.	623, 722	HASEGAWA, Y.	2646
GREEN, L.M.	2429	HALE, J.G.	2992	HASHAGEN, K A JR.	2869
GREEN, L.M., III.	2427	HALES, D.C.	1758	HASHIMOTO, Y.	1685
GREEN, O.L.	532, 782,	HALEVY, A.	807, 1509,	HASKINS, C.J.	551
	1249, 1334		2332	HASLER, A.D.	2062
GREEN, V E JR.	2802	HALEY, L.E.	707, 743	HASS, G.	3547
GREEN D. J.	661	HALL, E.N.	3386	HASSANEN, G.D.I.	1382
GREENE, G.F., JR.	230, 3362	HALL, J.C.	3127	HASSARD, S.	1505
GREENE, G.N.	2892	HALL, J.D.	582	HASSENMILLER, K.	3250
GREENFIELD, J.E.	3529, 3531,	HALL, L.W. JR.	1051	HASTEIN, T.	909, 960,
	3549, 3550	HALLER, R.D.	595		3213
GREENLAND, D.C.	3122, 3124,	HALLER, W.T.	895	HASTINGS, W.H.	1685, 3456
	3127, 3130, 3131, 3215	HALLGREN, B.	3177	HATTON, JOHN P.	2368
GREENLAND, J.	39	HALVER, J.E.	1685	HAUSER, J.	1618
GREENWOOD, P.H.	2377	HALVER, JOHN EMIL.	1575	HAUTVAST, J G A J.	2957
GREER, J.	3089	HALVERSON, C.J.	1142, 1193	HAVEN, D.S.	3387
GREUEL, E.	846, 857,	HAMAMI, E.	2618, 2716	HAVEY, K.A.	2216
	1418, 1421	HAMBREY, J.	3283	HAVLIKOVA, J.	1441
GRIB, VIKTOR		HAMEED ALI, K.	664	HAWKINS, A. D.	1826, 3087
KONSTANTINOVICH.	2845	HAMID, S.N.	729, 2535	HAYES, E.	2260
GRIFFIN, W.	3364	HAMILTON, S.	372	HAYES, K.R.	557
GRIFFIN, WADE.	3243	HAMILTON, S.B.	797	HAYWARD, R.S.	402
GRIFFIN, W.L.	1765, 1987,	HAMLISCH, R.	3419	HEAD, W.	2296, 2297,
	2326, 3289	HAMMACK, G.	319		2298, 2299, 2300
GRIZZELL, R.A., JR.	2694, 3494,	HAMPSON, A.A.	242	HEARD, W.R.	1977, 2493,
	3522	HAMZA, A.	2788		2648
GRIZZELL, ROY A.	2695, 3044	HANCOCK, K.	3241	HEARN, M.C.	666, 1643
GROBEY, J.H.	1114	HANCOCK, R.	1898	HECKMAN, JAMES ROBERT.	
GROCH, L.	1441	HAND, C.	2490		823
GROENEWEG, J.	1075, 1076	HANDCOCK, A.J.	1630, 2516,	HEDGECOCK, D.	750
GROH, J.E.	2778		2531	HEDLUND, E.	2288
GRONINGER, HERMAN S.		HANISAK, M.D.	1106, 2269,	HEFFERNAN, B.E.	3465
	1713		3084	HEGGBERGET, T.G.	3103
GRONINGER, H.S. JR.	1708	HANKS, R.W.	3041	HEIDINGER, R.	2943
GROOT, C.	1836	HANNESSON, ROGNVALDUR.		HEIDINGER, R.C.	2449
GROTH, P.G.	3257		3373	HEINDL, F.	1929
GROVE, S.M.	1843	HANSELL, D.A.	2238	HEINEN, J.M.	1736
GROVER, J.H.	63, 91, 497,	HANSEN, D.J.	1677	HEINEY, C.L.	2081, 2606
	500, 2873	HANSEN, F.	1446, 1774	HEITMANN, N.	680
GRUDNIEWSKI, C.	640	HANSEN, I.W.	1168	HELFRICH, L.A.	366, 435
GRUEN, C.	3349	HANSON, A.	2314	HELFRICH, P.H.	3483
GRUMBERG N, J.	1561	HANSON, ARTHUR JOHN.		HELLE, J.H.	759
GRUNEBERG, G.	2099		1727	HELTON, R.F., JR.	3160
GUARD, H.E.	1179	HANSON, D.F.	1148	HENDERSON-ARZAPALO, A.	
GUELORGET, O.	1947	HANSON, J.A.	231, 2540,		2056
GUERRA, C.R.	1187, 2506,		3469	HENDERSON, F.R.	1909
	2556, 2562	HANSON, J.N.	809	HENDERSON, J P.	1295
GUERRA PADRON, F.	1925	HANSON, JOE A.	2539	HENDERSON, S.	1186, 1208,
GUERRERO.	754	HANSON, JOE L.	2687		2349, 3292
GUERRERO, C. V.	2378, 3363	HANZEL, D.A.	1393	HENDERSON, UPTON B.	1253
GUERRERO, L.A.	2587	HAO-REN, L.	1793	HENDRICKSON, S.A.	102
GUERRERO, R.D., III.	2159	HAORAN, L.	609	HENRY, H.P.	322
GUERRERO, R.D. III.	2587, 3232	HARACHE, Y.	1960	HENRY, R.	2484
GUERRERO M, R.	2749	HARBELL, S.C.	1993	HEPHER, B.	168, 1267,
GUERRA, W.C.	2752	HARDY, F.J.	1389		1509, 1674, 1685, 2277, 2835
GUIDICE, J.	1831	HARDY, R.	3137	HEPHER, BALFOUR.	1840
GUIDICE, JOHN J.	1022	HARDY, R.W.	1465	HERALD, E.J.	1700
GULLANS, S.R.	641	HARGIS, W.J., JR.	3387	HERFRICH, L.A.	1553
GUNDERMANN, N.	1290, 3579	HARKANTRA, S.N.	2467	HERMIZ, L.	1005
GUNN, R.	3266	HARLIN, M.M.	1615	HERRICK, S.F.	3503
GUNNES, K.	576	HARPER, D.M.	1392	HERRICK, S.F. JR.	3445
GUNTER, G.	2440	HARPER, J.L.	838, 2913	HERRING, J.	2305
GUPTA, S.D.	610	HARPER, W.	1966	HERSHBERGER, W.K.	543, 731,
GUTHRIE, C.A.	721	HARR, R.D.	1035		2743
GWYTHER, D.	2031	HARRIS, A.H.	2805	HESBY, J.H.	1240
GWYTHER, J.	607	HARRIS, C.C. JR.	3390	HESS, C.T.	498, 1233
HAAS, M.A.	3239	HARRIS, F.A.	2260	HESS, W.J.	1937
HABERKORN, J P.	241	HARRIS, J.	1062	HESTHAGEN, T.	3103
HACKNEY, COURTNEY.	3092	HARRISON, C.	3415	HEWITT, J.	401
HADAS, O.	1410	HARRISON, H.H.	2851	HICKLING, C.F.	2998



HICKLING, D.R.	1385	HOWELL, B.R.	820, 1997	IL'INA, L.K.	1111, 2102
HICKS, N.	3572	HRINZHEVS'KYI, M.V.	2119, 2320	ILJUKHIN, ANATOLII	
HIDU, H.	316, 1270,	HSU, C.	678	IVANOVICH.	3069
	1330, 1932, 1988, 3041,	HUANG, C.Y.	3015	ILLE, A.M.	3182
HIGGINBOTHAM, B.J.	466	HUANG, E.C.	678	ILYASOV, Y.I.	974
HIGGS, D.A.	355	HUANG, H.L.	651	IMAI, T.	311, 2394,
HILEMAN, L.H.	1312	HUANG, L.C.	1832		2395
HILGE, V.	376	HUANG, P.C.	2060	IMAI, TAKEO.	2373
HILGERS, RICHARD.	2684	HUANG, T.	3053	INEZE, L.S.	2396
HILL, B.J.	907	HUANG, W.Y.	467, 1263	INGLE, R.M.	3554
HILL, P.G.	245	HUANG, Y.W.	1339	INGR, I.	1500
HILL, T.K.	3514	HUAT, K.K.	2117	INOUE, M.	3597
HILLMAN, W.S.	3158	HUBERT, W.A.	2460	INOUE, M.	2628
HIN, T.W.	3000	HUDSON, E.B.	880	INOUE, T.T.	992, 2257
HIND, W.M.	135	HUDSON, H.	3491	IRULANDI, M.	1779
HINES, NEAL O.	3586	HUDSON, J.H.	3041	ISAKOVA, Y.F.	419
HINSHAW, R.N.	1354	HUDSON, R.A.	1079	ISAKSSON, A.	2194, 2619,
HINTON, M.G.	924	HUDSON, S.	76, 1227,		3113, 3114
HINTON, M.J.	1039		2444, 2806	ISAYEVA, S. A.	1269
HIRANO, T.	1027	HUE, J.S.	2030	ISHAK, M.M.	1382, 1764,
HIRASAWA, Y.	3421	HUET, MARCEL.	3042		2273, 2788
HIRASAWA, YUTAKA.	177	HUGGINS, THOMAS G.	3055	ISHANKHODZHAEV, B.M.	
HIRATA, H.	1631	HUGHES-GAMES, A.	109		1512, 1513
HIRAYAMA, K.	522	HUGHES-GAMES, W.L.	2504	ISHIDA, T.	3090, 3096
HIROSE, K.	400	HUGHES, D.G.	2559	ISMAIL, A.B.	2112
HIRST, E.A.	1349	HUGHES, J.S.	2479, 2990	ISMAIL, M.H.	434
HITRON, J.W.	2743	HUGHES, J.T.	794, 2018,	ISMAIL, WARDANA.	2932
HJUL, P.	1431, 1890,		2840	ISVILANONDA, S.	3309
	2059, 2691	HUGUENIN, J.E.	260, 1274,	IVANOV, A. A.	1283
HOA, T.D.L.	813		1287, 1310, 1351, 1356, 1861, 1991,	IVANOV, A. N.	1283
HOAGMAN, W.J.	802		2549, 2717, 2787, 2813, 2939, 3425,	IVANOVA, E.F.	1678
HOAR, WILLIAM S.	711		3450	IVANOVA, Z.A.	515
HOBBS, G.	982	HUGUENIN, J.E.:	3285	IVERSEN, EDWIN S.	211
HOCKMAN, L.	487	HUH, H.T.	2651	IVERSEN, E.S.	1014, 2799
HOCON, R.	2167	HUISING, E.A.	1895	IVERSEN, R.T.B.	3187
HODGES, C.N.	2778	HUISMAN, E. A.	206, 1435,	IVERSON, RONALD ALBERT.	
HOFFMAN, C.L.	863		1896		1352
HOFFMAN, G.L.	939, 977	HULATA, G.	552, 616,	IVEY, J.M.	1059
HOFMANN, JOSEF.	779		749, 1637	IWAMOTO, R.N.	543
HOGENDOORN, H.	685	HULATAG, G.	773	IWAOKA, W.T.	1465
HOKANSON, E.F.	486	HULTIN, H.O.	3136	IWASAKI, T.	898
HOLCOMB, D.E.	1268	HUMPHRIES, E.T.	801, 1732	IWASAKI, Y.	3597
HOLCOMB, H.W., JR.	981, 1012,	HUNER, J.	993, 1806	IWASHITA, M.	550
	1361, 1987, 2857	HUNER, J.V.	491, 720,	IWATA, M.	1027
HOLCOMB, H.W. JR.	3126		1245, 1331, 2040, 2311, 2353, 2381,	JACINTO, G.S.	883
HOLDEN, C.	146		2382, 2625, 2649, 2650, 2667, 2828,	JACKSON, A.J.	1390
HOLEMO, F.J.	3491		3161, 3165, 3403	JACKSON, C.B.	2335
HOLLAND, D.H.	784	HUNT, W.R.	762	JACKSON, G.A.	2132
HOLLAND, D.L.	1403, 1468	HUNTE, W.	656	JACKSON, U.T.	686
HOLLERMAN, W.D.	1118	HUNTER, G.A.	584	JACOBS, S. A.	1247, 1300,
HOLLIDAY, J.E.	1780	HURK, R. VAN DEN.	359		1315
HOLLIMAN, M.C.	115	HUSS, H. H.	991, 997,	JACOBSON, P.	670
HOLLOWAY, T.	2530		998, 3194	JACOBY, G.C.	1125
HOLM-HANSEN, T.	1131	HUSSAIN, N.	608	JACQUES, J.M.	2149
HOLMES, R.W.	1346	HUTCHING, D.L.	1987	JAFRI, A.K.	1636
HOLT, J.	570	HUTCHINS, D.	444	JAGOE, C.J.	3245
HOLT, R.S.	2478	HUTCHINS, D.L.	2246	JAHN, L.R.	148
HONDA, K.	1762	HUTCHINSON, R.T.	1958	JAKUBOWSKI, R.	1858
HONG, S.Y.	2030	HUTCHISON, J.M.	468	JAMBERS JR, T HAROLD.	
HONN, K. V.	2616, 2735	HYDE, K.M.	1307		3219
HOOD, D.W.	274, 767	HYSMITH, B.	758	JAMET, JEAN.	2797
HOOPER, G.R.	2262	HYSMITH, B.T.	1280	JANA, B.B.	1092
HOPELY, C.N.	2743	IAKOVCHUK, T.A.	3575	JANA, R.K.	610
HOPKINS, C.L.	587, 1951	IANKAVIHIUTE, G IU.	1752	JANAKIRAM, K.	2145, 3123
HOPKINS, K.	3094	IARUSHINA, M I.	1329	JANESIRISAK, S.	2113, 2319
HOPKINS, K.D.	730	IASHUK, V.D.	916	JANGKARA, Z.	2089
HORN, PETER.	2570	IBE, M.	1399	JANGKARU, Z.	2360
HORNBERGER, MARLIN L.		IDRUS, A.Z.	3134	JANSEN, H.D.	1398
	2581	IDYLL, C.P.	284, 285,	JANUSZKO, M.	1243
			1986, 3166, 3545	JARMAN, N.E.	2012
HORSFIELD, B.	304	IFERGAN, C.	2754	JARMAN, R.	838, 1244,
HORTON, D.B.	320	IFTEKHAR, M.	2104		2913
HORVATH, E.	3211	IGNAT'YEV, V.A.	530	JARVIS, B.M.	1443
HORVATH, L.	433, 620,	IIDA, K.	1815	JASPERS, E.J.	2993
	669	IKEDA, K.	1409	JAYAMAHA, D.E.S.	2264
HOSOKAWA, H.	1631	IKOTUN, S.J.	2255	JAYARAM, M.G.	1461, 1532,
HOUDE, E.D.	531	IL'IN, MIKHAIL NIKOLAEVICH.	3063		1539, 1558
HOUGH, S.	163			JAZWIN, M.E.	412
HOWARD, H.C.	2987				

JEAN, R.	513	KAHAR, R.	2384	KHARITONOVA, N.N.	1016, 1058,
JEFFERTS, K.B.	591	KALAMASZ, D F.	1714		1269
JENA, S.	2145, 3118,	KALFF, J.	1174	KHOMENKOV, A.S.	1100
	3123	KALIA, H.R.	1875	KIGHT, T.G.	1838
JENKINS, J.H.	1251	KALIEV, S.G.	1535	KILAMBI, R.V.	383
JENSEN, A.L.	1928	KAMARA, A.B.	1797	KILDOW, J.	2813
JENSEN, G.L.	386, 730	KAMILOV, GANI KAMILOVICH.		KILGEN, R. H.	473, 1676,
JENSEN, J.W.	1142, 3141		2853		1698, 2805
JENSEN, K. .	2566, 2567,	KAMLYUK, L.V.	1602	KILLCREAS, W.E.	1789, 1917
	2568	KANAEV, A.I.	2315, 2620,	KIM, I.B.	839
JENSEN, K.W.	2333		2633	KIM, J.D.	3106
JENSEN, W.P.	3269	KANAUJIA, A.R.	2227	KIM, Y.	1133, 1134
JENSON, R.	3593	KANE, T.	333	KING, D.L.	1182
JEPPSON, P.	1889	KANETA, F.	133	KING, F J.	178
JEREMIC, S.	859	KANG, H.W.	3106	KING, L.L.	3584
JERNELOV, A.	2223	KANG, P.A.	1133, 1134	KINGHORN, B.P.	1769
JESTER, D.B.	426	KAO, C.H.	678	KINNE, O.	1241, 1242,
JEWELL, W.J.	1105	KAPLAN, G.	877		1250, 1259, 1373
JEWSON, D.H.	403	KAPUR, K.	869	KINNEAR, H.M.	816
JEYABASKARAN, Y.	1779	KARAMCHANDANI, S.J.	2146	KINNEY, EDWARD C.	1950
JHINGRAN, A.G.	3381	KARLSSON, A.S.	2500	KINOSHITA, R.K.	3539
JHINGRAN, V.G.	243, 256,	KARMINSKA, S.	3224	KIRBY-SMITH, W.W.	1577, 1712
	706, 1302, 1772, 2116, 2675, 3016,	KARNICKI, Z.S.	3256	KIRBY, G.E.	983
	3028, 3468, 3489, 3541	KARTHA, K.N.K..	152	KIRK, R.G.	2926
JIRASEK, J.	1437, 1500	KARZINKIN, G.S.	844	KIRKMAN, H.	2411
JIRASEX, J.	487	KASHIWAGI, M.	535	KIRPICHNIKOV, VALENTIN	
JOBLING, M.	1417	KATANIC, D.	3192	SERGEEVICH.	577, 698
JOHANNSSON, B.	1890	KATAYAMA, T.	1433, 1497,	KIRPICHNIKOV, V.S.	828, 974
JOHANNSSON, I.	1890		2510	KISHIDA, T.	1554
JOHANSEN, P.L.	2325	KATHAL, K.M.	1447	KISHIMOTO, T.	890
JOHANSSON, N.	1879	KATHIRVEL, M.	3365	KITTELSEN, A.	2180
JOHNS, M.A.	1987	KATO, J.	1375	KIYABU, D.F.	2376
JOHNSON, E.Z.	1453	KATZ, A.	3183	KIZ'MIN, A.N.	841
JOHNSON, G.D.	639	KATZ, B.F.	1286	KLEMM, R.	3265
JOHNSON, J.H.	1453	KAUFFMAN, J.	1776	KLIMA, E.F.	157
JOHNSON, P.	3458	KAUR, K.	455, 1138	KLINGBIEL, J.	239
JOHNSON, P.W.	1258, 2763	KAUSHIK, S.J.	1444, 1490	KLOKE, CORT W.	2686
JOHNSON, R.	87, 88	KAWAI, A.	1234, 1366	KLONTZ, G.W.	1009, 1028,
JOHNSON, R.L.	1275	KAWASAKI, L.Y.	1025		1146, 1961
JOHNSON, R.N.	3252	KAWASHIMA, R.	3097	KLOPFENSTEIN, D.	1866, 1901,
JOHNSON, R.S.	3164	KAWATSU, H.	2822		2553
JOHNSON, S.K.	950, 981,	KAWAUCHI, S.	3255	KLOPFENSTEIN, I.	1866, 1901,
	994, 995, 1277	KAYES, T.	742		2553
JOHNSON, T.L.	2487	KAYSER, H.	1370	KLUSSMAN, W.G.	1012
JOHNSTON, C.E.	411, 439	KAZAKHBAEV, S.K.	1550	KLUSSMANN, W.	2795
JOHNSTON, I.A.	368	KAZAKOV, R.V.	410	KLUSSMANN, W.G.	1361
JOHNSTON, W.E.	3339, 3475,	KAZLAUSKENE, O.P.	1649	KNEALE, D.C.	1226
	3480	KEARNS, P.K.	1037	KNETSCH, J.L.	1964
JOHNSTON, W. F.	2658	KEIFFER, E.	556, 1122,	KNIGHT, A.R.	156
JOLLY, C M.	2657		2154, 2719	KNIGHT, L.H.	2881
JOLLY, W.C.	44	KEITH, W.E.	836	KNUDSEN, E.	632
JOLY, L.G.	3085	KELLEY, E.J.	274	KO, S.C.	678
JONES, A.	2098	KELLNER, K.R.	797	KOBAYASHI, J.	650
JONES, A.C.	2126	KELLOGG, R.L.	1042	KOBURGER, J A.	3216
JONES, B.	3298	KELLY, E.W.	341	KOERING, A.F.	2742
JONES, C.	2582, 2647	KELSO, B.W.	385	KOERNIG, A.	213
JONES, D.A.	1403, 1468,	KENDALL, P.C.	3387	KOESOEMADINATA, S.	1121
	1703	KENDALL, W.T.	366, 435	KOH, Y.C.	1556
JONES, F.V.	488	KENMUIR, D.	1878	KOHLNENSTEIN, L.C.	409
JONES, J.B.	776, 1655,	KENMUIR, D.H.S.	1086, 1874	KOHLER, C.	1541
	3330	KENNEDY, F.S. JR.	3083	KOHLI, M.P.S.	2198
JONES, M.A.	1996	KENNEDY, H.D.	1018	KOKORINA, Z.G.	1269
JONES, R.M.	1001	KENNEDY, V.S.	641, 1136	KOKUREWICZ, B.	562
JONES, W.R.	2450, 2770	KENSLER, C.B.	3020	KOLAKOWSKA, ANNA.	3205
JOSEPH, D.	1472	KENTOURI, M.	1545	KOLAKOWSKI, E.	3224
JOVANOVIC, D.	3530	KEPCIJA, D.	3192	KOLAROWA, W.	888
JOYCE, E.A., JR.	3041	KERANEN, A.L.	872	KOLTYPIN, IU A.	1283, 1678
JOYNER, T.	246, 281,	KERFOOT, W B.	1247, 1300,	KOLTYPINA, V V.	1283
	326, 1967, 2974, 3030		1315, 1316, 1356	KONDA REDDY, P.	2029, 2144
JUDD, R.L., JR.	95	KERN, R B.	1714	KONDUR, L.V.	1516
JUDKINS, P W.	3595	KERNS, C.L.	124, 1644	KONO, H.	121, 122,
JUDY, R.D. JR.	413	KERZAN, I.	1323		123, 149
JUGNARIAN, B.	3593	KESHAVANATH, P.	567, 2029,	KONURBAEV, A. O.	683
JULIANO, R.O.	497		2144	KOO, T.S.Y.	755
JUNK, WOLFGANG J.	2258	KESHAVAPPA, G.Y.	1491	KOON, J.L.	1332, 2724
JUNUS, M.	2089	KETTANI, M.A.	273	KOOPMAN, B.	1246, 2046
KADRI, E.S.	2183	KEYSER, A.	391	KOOPS, H.	1756, 3204
KAGAWA, H.	541, 542	KHALYAPINA, L.M.	410	KOP, L.R.	2432



KOPPEL, Z.	1350	KUZENSKI, S.	2464, 3172	LAZARUS, S.	2182
KOPYLOVA, T.V.	1602	KUZNETSOV, E.A.	2725	LE-VAN-DANG.	336
KORINEK, V.	1325	KVASNIKOV, E.I.	415	LEARSON, R.J.	2017
KOROVIN, V.A.	530	KWAIN, W.H.	1940	LEARY, D.F.	1690
KORRINGA, P.	236	KYCIA, J.H.	2322	LE BORGNE, Y.	604
KORRINGA, PIETER.	2603	LABHSETWAR, V.K.	1888	LEDGERWOOD, R.D.	2559
KORSAK, TS.O.	2313	LABON, A.	3276	LEE, A.	866
KOSKE, P.	1582, 2345	LACAZE, C.	2584	LEE, C.L.	564
KOSKE, P.H.	1478	LACAZE, C.G.	3021	LEE, C.S.	1730, 3305
KOSSMANN, H.	2223	LACEWELL, RONALD D.	3219	LEE, D.L.	827
KOSYREVA, R.Y.	2954	LACHER, M.	1120, 1589	LEE, JASPER S.	1839
KOTHARY, R.K.	361	LACKEY, ROBERT T.	2086	LEE, J.S.	2946
KOTHBAUER, H.	398	LACKEY, R.T.	249	LEE, S.S.	2030
KOTIK, L.V.	1567	LACKNER, R.	1484	LEFURGEY, A.	1255, 1338
KOTON, A.	2277	LAGASSE, J.P.	456	LE GALL, J.Y.	3564
KOTT, Y.	1410	LAGOIN, Y.	2797	LEGER, C.	1546
KOW, T.A.	3000	LAI, C.F.	1832	LEGGETT, R.L.	218
KOWTAL, G.V.	610	LAIR, JEAN CLAUDE.	2824	LEGOFF, R.S.	2267
KOZHIN, N.I.	844	LAKS, R.	1882, 1883	LEHMAN, L.	1691
KOZHOKARU, E V.	2893	LAKSHMI, G.J.	1617	LEI, C.H.	1527
KOZLOV, V. I.	654	LAM, T.J.	536, 676,	LEIBOVITZ, L.	862
KOZLOWSKA, H.	1413, 1479		1773, 3590	LEIGHTON, D.L.	2307, 3581
KOZMA, LAJOS.	2707	LAMBERT, S.S.	3301, 3342	LEITH, D.A.	456
KRANTZ, G.E.	2589, 2799,	LAMOUR, F.	432	LEITRITZ, EARL.	2679
	3329	LAMPE, H.C.	3472	LELLAK, J.	1073
KRASNICKI, K.	1479	LANDER, R.H.	529	LEMERCIER, P.	2321
KRASNOSHCHEK, G.P.	1015	LANDERS, W.S.	2978	LENARCIC, M.	1323
KRASZNAI, ZOLTAN.	636	LANDIS, R.C.	2984	LENT, R.	1774
KRAUS, H.	1766	LANDLESS, P.J.	2457, 2594	LENZ, J.	1478, 1582,
KRAZHAN, S. A.	1269	LANDRY, E.F.	471		2345
KRIKSUNOV, E.A.	594	LANDSVERK, T.	871	LEONARD, D.	1946
KRISHNA KUMARI, L.	1489, 1825	LANDY, B.A.	235	LEONARD, J. S.	2712
KRISHNAMOORTHY, K P.		LANE, S.	3484	LEONG, J.C.	866
	1289	LANG, F.	440	LENER, A.	3397
KRISHNA RAO, D.S.	1491	LANG, H.S.	3041	LE ROUX, A.	1725
KRISHT, D.	616	LANGHOLZ, H.J.	3195	LESACA, R.M.	257
KRONE, W.	3453	LANKESTER, M.W.	901	LESEL, R.	2754
KROSNEY, M.S.	1976	LANNAN, J.E.	626, 627,	LESSENT, P.	2073
KRUGER, E. J.	2718		628, 629, 778	LESTER, L.J.	701
KRUPAUER, V.	321	LANTZ, K.E.	989	LETKO, E.	2000
KRUZIC, A.P.	1190	LAPI, L.A.	1972	LEVENTIS, M.	1897
KRYUCHKOV, V.I.	369	LAPIN, R M.	3216	LEVINE, G.	967
KRZYNOWEK, J.	2017	LAPLANTE, M.G.	3060	LEVINE, J.S.	506
KRZYWOSZ, T.	1451	LAPOINTE, B.E.	1287, 2383,	LEVINGS, C.D.	1494
KUAN, W.Y.	695		2595, 2631, 3117	LEWINSOHN, C.	2527
KUBICEK, P.F.	1157	LARGE, R V.	2610	LEWIS, D H.	986
KUBISTA, I.	3323	LARK, J.G.I.	1397	LEWIS, G.W.	1040, 1044,
KUCHARSKY, P.	1350	LARKIN, P.A.	5		1908
KUDRIASHOVA, IU V.	2592	LARKINS, H.A.	2130	LEWIS, J.F.	1912, 3271
KUDRIAVTSEV, VALERII		LARMOYEUX, J.D.	2850	LEWIS, M. R.	2178
IVANOVICH.	3107	LARSEN, J.L.	874	LEWIS, P.A.	1753
KUHLMANN, D.	1478, 1582,	LARSON, DOUGLAS M.	3377	LEWIS, R.H.	3554
	2345	LARSON, G.L.	51	LEWIS, W.M.	1777, 2282,
KUHLMANN, H.	3204	LARSSON, BENGT.	1585		2449, 2607, 2943
KUHN, D.	2136	LARSSON, P.O.	2209	LI, H.W.	3560
KUHRIG, H.	2090	LASATER, E.M.	356	LI, Y.	100, 2109
KULIEV, Z.M.	429	LASKER, R.	1734	LI, Y.P.	34
KULIKOVA, N.I.	648	LASSERRE, G.	1947	LIAMKIN, D.N.	984
KULJIS, A.M.	2267	LATAPIE, W.R. JR.	2919	LIANG, JIUM-KUO.	1737
KUMAR, K.	706	LAU, W.M.	1067, 1420	LIANG, J.K.	1738, 3015
KUMARADAS, P.S.	3338	LAUDENCIA, I.L.	2156	LIAO, I.-C.	100, 162,
KUMARI, L.K.	1432	LAURENCE, S.	476		725, 2386
KUMARI, S.D.R.	1569	LAUTERIO, T.	1217, 1399	LIAO, I.C.	789, 827,
KUNG, M.S.	2060	LAUZON, S.	1916		1730
KUNZE, KURT.	1788, 2750,	LAVINA, E.	1501, 1632	LIAO, P.B.	822, 2762,
	3071	LAVROVSKAIA, NINA			2929, 3031
KUO, C.M.	560	FEDOROVNA.	2270	LIBOSVARSKY, J.	1925
KURATA, H.	442, 662,	LAVROVSKII, V V.	2592	LIBRERO, A.R.	207, 225,
	2656	LAW, A.T.	1439		775, 975, 2571, 2572, 2573, 2574,
KURIAN, C. V.	1796	LAW, F.C.P.	1082		2575, 2576, 2669, 2670, 2671, 2672,
KURONUMA, K.	2023	LAWAS, J.M.	3463		3115, 3116, 3413, 3430, 3431, 3432,
KURUP, N.S.	3278	LAWLER, G.H.	2827		3433, 3434, 3435, 3436, 3437, 3438,
KUSHNIKOVA, S. N.	3162	LAWRENCE, A.L.	444, 2246		3439, 3440, 3441
KUTHALINGAM, M.D.K.	2182	LAWRENCE, J. M.	1204	LICHATOWICH, T.	724, 757
KUTTY, M.N.	42	LAWRIE, A.H.	1940	LICHTKOPPLER, F.	1192
KUWABARA, J.	461	LAWS, E.A.	1819	LICHTKOPPLER, F.L.	91
KUWABARA, J S.	2598	LAWSON, T.B.	1160	LIEBERMAN, S.	461
KUZ'MIN, ALEKSANDR		LAXMINARAYANA, A.	702	LIEWES, E.W.	3375
IAKOVLEVICH.	2643				

LIGHTFOOT, R.	1934	LUQUET, P.	1444, 1473,	MANNING, M.J.	397
LIGHTNER, D.	2485		1490	MANOTE-HONGPROMYART.	3022
LIIAUCO, M.M.	2157	LUSK, S.	1855	MANSFIELD, B.C.	660
LILL, A.F.	1938	LUSTUN, L.	1480	MANUS, A.T.	41
LIM, K.B.	2030	LUSTUN, L. TIU.	781	MANZI, J.J.	915
LIM, M.Y.	827	LUTHER, G.	2182	MARAMBA, F.D.	2135
LIN, K.H.	678	LUTZ, R.A.	2396	MARCH, B.E.	1385
LIN, S.-F.	1149	LUTZ, RICHARD A.	2137, 2482	MARDJONO, M.	729, 2535
LIN, Y.S.	428, 1748,	LUZHIN, B.P.	494	MAREK, M.	1688
	3133	LYAKHNOVICH, V.P.	1602	MARGRAF, F.J.	489
LINDBERG, J.	53	LYMAN, F.C.	86	MARIAN, M.P.	1387
LINDBERGH, J.M.	2968	LYNCH, T.	23, 31, 32,	MARK, K.-K.	1093
LINDEBERG, KARL H.	3482		33, 36, 57, 58, 61, 712, 1810, 1899,	MARKERT, J.R.	1647
LINDER, D.R.	2698		1994, 1995, 2100, 2228, 3249, 3273,	MARKIW, M.E.	902
LING, S.W.	263, 344,		3280, 3286, 3295	MARLOT, S.	669
	2660	LYNNE, G.D.	3254	MARRIAGE, L D.	3552
LING, Y.S.	3000	LYONS, W.G.	3083	MARRISSY, N. M.	2170
LINTON, T.L.	3047	LYSACK, W.	2248	MARSHALL, N.	3472
LIPATOV, D.	2924	MAC, M.J.	538	MARTEKHOV, P.F.	3073
LIPOVSKY, SANDY J.	1635	MACCRIMMON, H.R.	251	MARTIN, C.V.	2257
LIPSCHULTZ, F.	3329	MACDONALD, R.E.	1780	MARTIN, J.	1397, 2223,
LIRA, E R.	3448	MACFARLANE, I.S.	973		2776
LISAC, H.	3288	MACGRATH, W S JR.	1668	MARTIN, J.B.	2885
LISCOM, K.L.	529	MACHADO, CIRILO E DE MAFRA.	2810	MARTIN, J.M.	228, 2904,
LISS, W.J.	1089		2945		2959, 3442
LITTLE, E C S.	3065	MACK, JERRY.	2945	MARTIN, M.	634, 851,
LITTLE, E.J.	1252	MACKAY, K.T.	1056, 1979		1195, 1831, 2107, 2155, 2318, 2371,
LITTLE, E.J. JR.	2225	MACKELDEY, MARGRET.	1739		2404
LIU, Y.	704		2489	MARTIN, R.	2798
LIUBIMOVA, T S.	1329	MACKENZIE, C. L, JR.	3294	MARTIN, R.G.	2970
LIUZZO, JOSEPH A.	3225	MACLEAN, J.L.	2079, 2101,	MARTIN, R.M.	1977
LLEWELLYN, G.G.	1706	MADAMBA, J.C.	2316, 2365	MARTIN, R.W.	2493
LLOYD, R.	1063		2375	MARTIN, S.B.	1071
LO, M.C.	827	MADDEN, W.	2522	MARTIN, S.G.	3504
LOCK, JOE TAYLOR.	1364	MADDEN, W.D.	2459	MARTINEZ, M.	52
LOGSDON, G.	931	MADDOX, J.J.	1869	MARTINEZ, M R.	1638
LOGSDON, GENE.	145	MADELEY, J.	3066	MARTINS, E.S.	555
LOHMAN, L. C.	1169	MADEWELL, CARL E.	2459, 2460,	MARTOSUDARMO, B.	953, 2208,
LOMAX, K.M.	1160, 1218	MADEWELL, C.E.	2885, 2963, 3516, 3518		2535
LONE, K.P.	425, 1383,	MAEGEL, L.C.A.	71	MARTYSHEV, FEODOSII	
	1508	MAESENEER, J. DE.	2218	GEORGIEVICH.	687, 3048
LONELL, T.	1633	MAGUIRE, G.B.	389, 1849,	MARTYSHEV, F G.	2592
LONG, C.W.	2070		3206	MARUYAMA, T.	2366
LONGWELL, A.C.	699, 808	MAHAKEN, C.	2743	MARZZOTTI, L.	2076
LOOKER, D.	2329	MAHLER, L.	2485	MASLOVA, N I.	2592
LOOSANOFF, V.L.	2952	MAHLER, L.E.	2778	MASON, J.C.	2771
LOPATINA, V. A.	3162	MAHNKEN, C.	553	MASON, J.F.	2139
LOPEZ, J.V.	2428	MAHNKEN, C.V.M.	3030, 3508	MASON, R. S.	1147
LOPEZ GARCIA, A.	472	MAI-DINH-YEN.	2969	MASON, W.T. JR.	1753
LOPICCOLO, G.	993	MAKARENKO, V.V.	1535	MASSUTI, MIGUEL.	2856
LORETI, A.	1355	MAKINOUCHE, S.	2039	MATE, F.D.	724
LORIO, W.J.	1251	MAKOFKSKE, W.	2533	MATHEWS, S.B.	436, 2597
LOSORDO, T.M.	495, 1237	MAKSIMOV, V.A.	378	MATHEWSON, J.H.	1008
LOTSPEICH, F.B.	1922	MALCA, R.P.	1493	MATHIAS, J.A.	1397
LOUREIRO C. G. C.	196	MALECHA, S.	619	MATHIESON, A.	617
LOVEGROVE, T.	911	MALECHA, S.R.	682, 1819,	MATHIESON, A.C.	2745
LOVELL, K. T.	1517		1941, 2388	MATHIS, KARY.	3108, 3344,
LOVELL, R.T.	1010, 1518,	MALIGALIG, L L.	3220		3345, 3346, 3367
	1572, 1639, 1686, 1690, 1693, 1711,	MALYKHINA, T.IU.	1562	MATHIS, W.P.	2959
	1738, 2291, 3141, 3209, 3210	MAMMEN, T.A.	3287	MATHISEN, O.A.	1814
LOVELL, T.	912, 1415,	MANCI, W.E.	1055	MATLOCK, G.C.	2325
	1416, 1422, 1448, 1462, 1469, 1498,	MANCINI, LANFRANCO.	1199	MATSON, G.B.	362
	1568, 1573, 1578, 1604, 1640, 1642,	MANDELLI, E.F.	2700	MATSUDA, T.	442, 662
	3196, 3202	MANE, A M.	2751	MATSUDA, Y.	98, 147
LOVSHIN, LEONARD LOUIS.	517	MANGER, K.	1217	MATSUI, ISAO.	2367
		MANGHAN, W.D.	1194	MATSUSHIMA, K.	3097
LOWELL, F.	1760	MANICKARAJA, M.	2065	MATTHIESSEN, G.C.	670, 837,
LOYACANO, H.A.	1308	MANIK, R.	2384		840, 3519, 3543, 3571
LOYACANO, H. A., JR.	1620	MANISSERY, J K.	959	MATTIL, K F.	3175
LU, J.D.	2435	MANIWA, Y.	2465	MATTOX, BRUCE W.	798
LUCAS, A.	766, 1982	MANLEY, S.	461	MATTY, A.J.	425, 1383,
LUCAS, C.C.	2271	MANN, R.	395, 471,		1390, 1427, 1508, 1538
LUDKE, J.L.	372		475, 478, 479, 480, 484, 495, 499,	MAW, R.	1971
LUDWIG, D.	568, 592		1185, 1224, 2475, 2476, 3565, 3566,	MAWDESLEY-THOMAS, L E.	
LUEBKE, R.W.	519, 2698		3568		3049
LUKE, N.	3484	MANN, R.H.K.	2143	MAXFIELD, G.H.	529
LUKOWICZ, M. VON.	1477	MANNES, J.C.	426	MAY, IRVIN M.	118
LUMARE, F.	622				



MAY, R.C.	757	MEEKHOF, R. L.	2558	MINTARDJO, K.	1600, 2385,
MAY, R.M.	3313	MEHRLE, P.M.	372		2438, 2536
MAYER, F.L.	372	MEINKE, W. W.	3175	MIRES, D.	772, 803,
MAYHEW, J.	1301	MEISCH, M.V.	2515, 2516		804
MAYO, R.D.	783, 822,	MEISNER, ELENA		MISTAKIDIS, M.N.	2414, 2486
	2677, 2773, 2929, 3466, 3498	VALERIANOVNA.	3002	MITCHELL, A.J.	863
MAYSA, D.A.	2885	MELHUIISH, M.	1992	MITCHELL, C.P.	2038
MAZEAUD, F.	957	MENDELSSOHN, R.	3098	MITCHELL, J.R.	108, 2727
MAZEAUD, M.M.	957	MENDOLA, D.	1197	MITCHUM, D.L.	881
MAZNIK, ANATOLII		MENDOZA-R., M.	1913	MITSUI, A.	1424
PROFIR'EVICH.	1666	MENEZES, F.	2554	MITZNER, L.	1207
MAZUMDAR, T.C.	1795, 1944	MENEZES, F., JR.	2517	MIURA, A.	2729
MAZZOTTI, L.	575	MENZEL, D.W.	1360	MIYASITA, T.	2283
MCANDREW, B.J.	407	MENZEL, R. G.	1294	MIYAZAWA, K.	1424
MCBAY, L.G.	821, 829,	MENZEL, R.W.	3076	MIZUMOTO, S.	2636
	835	MERCER, J.P.	598	MOAL, ROLAND A.	2797
MCBRIDE, J.R.	355, 421,	MERCER, M.C.	3041	MOAV, R.	168, 552,
	470	MERCER, W.G.	1327		616, 749, 760, 773, 1637, 1784, 1785
MCBRIDE, R.L.	3206	MERITT, D.W.	2518	MOBERLY, H.	3142
MCCAIG, R.S.	1102	MERKOWSKY, A.	717, 2640	MOCHUL'SKAYA, V.F.	1755
MCCAMMON, H.	1681	MERKOWSKY, A.J.	1629, 1630,	MOCK, C.R.	2600, 2632,
MCCARTHY, D.H.	956		1673, 2516, 2531		2852
MCCLARNEY, B.	3378	MERRICK, J.R.	2231	MOCK, J.B.	2597
MCCLESKEY, R.N.	2832	MERRILL, A.S.	3041	MODDE, T.	2214
MCCORD, C. L., JR.	1620	MERRINER, J.V.	802	MOE, M.A., JR.	3554
MCCOY, E.W.	1161, 1570,	MERVA, G. E.	2558	MOHANTY, A.N.	1547
	2657, 2836, 2875, 3394, 3404, 3461,	MERYMAN, C.D.	2403	MOHSIN, A.K.M.	549
	3517	MESKE, C.	2001	MOISNARD, PIERRE YVES.	
MCCRAREN, J.P.	679, 1001	METCALF, T.G.	1340		3154
MCDANIEL, D.W.	1834	METCALFE, J.L.	642	MOITRA, A.	3016
MCDOWALL, R.M.	1934	METZGER, R.J.	2125	MOKADY, S.	1407, 1445,
MCERLEAN, A.J.	1330	MEYDAN, A.	1248		1449
MCGARRY, M.G.	2937	MEYER, C.P. DE.	2149	MOLLAH, M.F.A.	2222
MCGEACHIN, R.B.	1402	MEYER, F.P.	933, 2882,	MOLLER, D.	2654, 2868
MCGIE, ALAN M.	2250, 2268		2959	MOMMAERTS, J.P.	1095
MCGIE, A.M.	427, 643	MEYERS, R.W.	914	MONAN, G.	553
MCGINTY, P.S.	3197	MEYERS, S.P.	1695, 2555	MONK, B.H.	2070
MCGLEW, P.A.	182	MEYERS, T.R.	867	MONTAGUE, F.B.	216
MCGOODWIN, J.R.	78	MEZAINIS, V.	2491	MONTEITH, C.	962
MCGREGOR, D.	880	MICHA, J.C.	2791, 3594	MONTFRANS, J.	784
MCGRENA, M.J.	2346	MICHEL, J.W.	1349	MONTGOMERY, J.C.	2069
MCGUIGAN, D.	1872, 1970,	MIDDLEBROOKS, E.J.	1091	MONTGOMERY, W.L.	1864
	2002	MIDDLEDITCH, B.S.	444	MONTI, D.	1947
MCGUIRE, A.B.	644	MIGHELL, J.L.	405	MOORE, A.B.	3203
MCHUGH, J.L.	1962	MIH, W.C.	1854	MOORE, D.	2485
MCILHENNY, W.F.	2933	MIHURSKY, J.A.	1330	MOORE, D.D.	247
MCINTYRE, J. D., JOHNSON, A. K.	741	MIKAMI, T.	1927	MOORE, J.J.	3542
	2665	MIKHEEV, PETR VASIL'EVICH.	3002	MOORE, M.	84, 89, 165
MCKAY, G.	399			MOORE, R.	1202, 1217
MCKEOWN, B.A.	855	MIKHEEV, VLADIMIR		MORAINÉ, R.	1248
MCKIM, J.M.	483	PETROVICH.	3002	MORAN, L.P.	14
MCKNIGHT, T. C.	169, 2036,	MIKULINA, N. M.	1269	MORE, W.R.	3032
MCLARNEY, B.	2328	MIL'SHTEIN, VLADIMIR		MOREV, ANATOLII	
	1704	VOL'FOVICH.	2936	NIKOLAEVICH.	2845
MCLARNEY, W.	301	MILANO, G.R.	2225	MORGAN, D.E.	670
MCLARNEY, WILLIAM O.	1374, 2569	MILEY, W. W., JR.	727	MORGAN, R.P.	612
	1065	MILEY, W.W. II.	579	MORI, K.	744
MCLAUGHLIN, T.W.	677	MILLEMANN, R.E.	1309	MORIARTY, D.J.W.	1645
MCLENNAN, A.G.	1146	MILLER, A WENDELL.	2887	MORIN, R.H.	2847
MCNAIR, J.A.	2832	MILLER, B R.	3402	MORING, JOHN R.	2265
MCNALL, W.J.	2290	MILLER, D.	2881	MORING, J.R.	1026, 3245
MCNEIL, F.I.	2878	MILLER, J.S.	1929, 3240,	MORISSENS, P.	786, 787,
MCNEIL, W.	3013		3281		788, 1696, 1697
MCNEIL, WILLIAM J.	144, 2812,	MILLER, R.	1708	MORITA, S.K.	951
MCNEIL, W.J.	3428	MILLER, R.C.	3360	MOROVIC, D.	310
MCNEILL, J.C. IV.	1012, 1361	MILLER, RUTH.	1713	MOROZ, I.Y.	494
MCSHAN, M.	2774	MILLER, W R.	978	MORRISSY, N.M.	2286, 2563
MCVEA, C.	1282	MILLS, DEREK HENRY.	2979	MORTON, W.	1266
MCVEY, J.P.	187, 2542,	MILLS, L.V. JR.	117	MOSONYI, GEZA.	2707
	3302	MILNE, P.H.	2599, 2613,	MOSS, D.D.	91, 291,
MCWHORTER, JOHN C.	1158		2655, 2666, 2848, 2907, 3004, 3005		512, 1842, 3003, 3051, 3056, 3057,
MEADE, T.L.	139, 967,	MILNER, A.G.P.	1434		3058, 3059, 3064
	2405	MILTNER, M.	1412	MOTOYA, S.	650
MEANEY, R.A.	3478	MILWARD-DE-ANDRADE, R.		MOTZKIN, F.	370
MEDGYESY, N.	1414		196	MOYER, E.J.	746
MEEHAN, WILLIAM R.	1162	MINAMISAWA, A.	3046	MOYER, JAMES E.	2420
		MINERVINI, R.	646	MOYLE, P.B.	3560
		MINNIGH, H.A.	854	MUBARAK, H.	2105

MUDRAK, V.A.	1064	NAZARENO, A.M.	207, 2571,	NORRIS, K.S.	818, 2906
MUENCH, K.A.	2661	2572, 2573, 2574, 2575, 2576, 3413		NORRIS, R.E.	2880
MUGIYA, Y.	390, 650	NEAL, D.A.	2919	NORTH, R.M.	3402
MUGRDITCHIAN, D.S.	1465	NEAL, R.A.	8, 97, 2600,	NORTH, W.	461, 1115
MUIR, J.F.	1904	2632, 2837, 2874		NORTH, W.J.	2561
MUISWINKEL, W.B. VAN.		NEDELTSCHIEW, N.	888	NORTHCOTE, T.G.	385, 416
	897	NEILS, K.	2406	NORTON, V.J.	3390
MUKERJI, G.N.	2146	NEILS, K.E.	3359	NOSE, T.	1520
MUKHERJEE, A.B.	2042	NEILSON, J.D.	572	NOVAK, ARTHUR FRANCIS.	
MULLEN, ROBERT E.	140, 2035	NEKRASOV, A.P.	2285		3225
MULLER, R.G.	1050	NELLEN, W.	1478, 1582,	NOVOTNY, A.J.	242, 2041,
MULLER, W.A.	3353		2345		3030
MULLIGAN, T.J.	1972	NELSON, J.A.	367	NULLER, F.	2281
MULLINS, T.	3528	NELSON, K.	750	NURDJANA, M.L.	953, 2208
MULVIHILL, P.	317	NELSON, P.R.	2960	NURMI, E.	3208
MUMAW, L.	1946	NELSON, R.	3510	NUTI, C.	615
MUMFORD, T.E., JR.	2172	NELSON, R.G.	684	O'BRIEN, W.J.	1408
MUMFORD, T.F.	2564	NELSON, S.G.	96	O'CONNOR, D.P.	1934
MUMPTON, F.A.	1628	NELSON, STEPHEN G.	1119	O'KEEFE, T.M.	1580
MUMZHU, E.L.	1562	NESS, H.	3417	O'KELLY, M.	1877
MUNDEN, F.H.	2738	NETBOY, A.	2928	O'NEIL, M.R.	860, 1077
MUNDIE, J.H.	792	NEVE, R.A.	767	O'REAR, CHARLES W.	1368
MUNDY, P.R.	1814	NEVEU, A.	1081	ODO, D.	1823
MUNEKAGE, Y.	2364	NEW, M.B.	2215, 2746,	ODUM, W.E.	1320, 1321,
MUNRO, J.L.	607		3379		1343
MURKEN.	1656	NEWKIRK, G.	694	OGAWA, H.	890
MURRAY, R.	1424	NEWKIRK, G.F.	700, 707,	OGAWA, K.	952
MURTY, D.S.	718		716, 743	OGAWA, S.	522
MURUGESAN, V.K.	769	NEWTON, G.C.	111	OGLE, J.	2043
MUSIG, Y.	1060	NEWTON, S.H.	228, 1629,	OGONOWSKI, M.M.	440
MUSTAFA, S.	1636	1630, 1673, 1760, 2024, 2186, 2515,		OGRODNIK, W.	1792
MUSTIN, W.G.	3102, 3141	2516, 2531, 3442		OH, B.T.	1475
MUTHU, M.S.	702, 2205	NG, F.O.	2284	OHASHI, M.	1955
MUZAFAROV, AKHRAR		NICHOLAS, E.S.	2573	OHMURA, T.	271
MUZAFAROVICH.	509	NICHOLAS, JAY W.	2439	OIESTAD, V.	2652
MYERS, E.	12, 13, 24,	NICHOLAS, J.W.	468	OJEDA, J.W.	674
	37, 119	NICHOLS, B.L.	1349	OKIMOTO, C.S.	167
MYERS, E.A.	315, 3316	NICHOLS, J.	3364	OKOLO-KULAK, S.	346
MYOSE, H.	1762	NICHOLS, JOHN P.	3219	OLDIGS, B.	3195
MZAREULOV, B.M.	2709	NICHOLS, J.P.	1765, 2326,	OLENICK, R.J.	423
NACZK, M.	3178		3289	OLMSTED, L.L.	2261
NAEGEL, L.C.A.	2480	NICHOLSON, B.L.	886	OLNESS, ALAN.	1294
NAEVDAL, G.	573, 2422	NICKELSON, R.	3595	OLSEN, S.	3563
NAFTEL, P.C.	2981	NICKELSON, T.E.	643, 2063	OLSON, F.W.	436
NAGAHAMA, Y.	420, 541,	NICKUM, J.G.	1652	OLSON, M.	2359
	542	NICOLAS, E.S.	207, 225,	OLSON, O.P.	458
NAGANO, A.	2064	775, 975, 2571, 2572, 2574, 2575,		OLSON, W.H.	809
NAGEL, M.L.	971	2576, 2669, 2670, 2671, 3115, 3413,		OLSZEWSKI, M.	2372, 2523
NAGEL, T.	1660, 1667	3430, 3431, 3432, 3433, 3434, 3435,		OMAN, E.M.	2204
NAGORNAIA, S.S.	415	3436, 3437, 3438, 3439		OMOLOYIN, O.	2255
NAGY, A.	433	NIELSEN, L.A.	1553	ONG, H.S.	1741, 1742
NAIMAN, R.J.	1864	NIELSEN, LARRY A.	2086	ONIZUKA, D.	619
NAIR, A.	2467	NIEMELA, E.	903	ONIZUKA, D.R.	1941
NAIR, N.B.	1569	NIEMI, M.	1032	OPSTELTEN, R.J.G.	547
NAKADA, Y.	2364	NIETZKE, G.	1348	OPSTVEDT, J.	3222
NAKADATE, KO.	3382	NIEVES, L.	2309	OPUSZYNSKI, K.	1052, 1357,
NAKAMURA, H.	3188	NIGHTINGALE, J.W.	1946		2188
NAKAMURA, M.	2590	NIIMI, A.J.	1139	ORAVETZ, C.A.	3474
NAKANISHI, H.	2364	NILSSON, N.A.	416	ORDUNA, A.G.	2672, 3116,
NAKATANI, R.E.	282, 2682,	NISHI, G.	3597		3440, 3441
	2862	NISHIHARA, S.	2863	OREN, O.H.	3169
NAKAYAMA, Y.	892	NISHIKAWA, N.	650	ORTH, D.J.	40
NAKONECHNAIA, M.G.	887	NISHIMOTO, M.	179	ORTH, F.	2443, 2742
NALLUCHINNAPPAN, I.	1779	NISHIMURA, M.	185	ORTIZ, A.A.	768
NAMBIAR, K.P.P.	2989	NISHIYAMA, T.	181	ORTIZ, M.V.	2559
NANNE E, H.	1870	NOAKES, D.L.G.	387	OSANAI, K.	744
NARAYANAN, K.R.	1926	NOBLE, R.L.	1905	OSBORNE, J.E.	30
NARAYANAN, M.	1387	NOEL, H.S.	3262, 3452	OSTROUMOVA, I. N.	1586
NASCIMENTO, I.A.	638	NOEL, S.	1919	OSWALD, W.J.	1246
NASER EL-DIN, KH.	540	NOERENBERG, W.	213	OTTE, G.	1170
NASH, C.	2914	NOLAN, G.	2742	OTWELL, W. STEVEN.	2045
NASH, C.E.	113, 150,	NOLFI, J.R.	3299, 3355	OVERSTREET, R.M.	1007
	1824, 2226, 2293, 2674, 3471	NORDHEIM, A.	3288	OVINNIKOVA, V.	2037
NASH, D.A.	3539	NORENBERG, W.H.	2742	OWEN, S.	161
NASONOV, A.I.	1679, 2725	NORIEGA-CURTIS, P.	1583	OWSLEY, D.E.	596, 747
NATARA, A.V.	3028	NORMAN, K.E.	1167	P'IATKIN, P.M.	2103
NATARAJAN, A.V.	696	NORMAN, L.	175	PACEY, M.D.	3493
NATOVA, L.	446, 2008	NORRIS, J.P.	1700, 2589,	PACHNER, L.C.	1485
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PACKIE, R.	1270	PECK, L.W.	848	POPPENSIEK, G.C.	294
PADAN, E.	370	PEDERSEN, A.	997, 998	POPPER, D.	757, 1290, 3579
PADLAN, P.G.	2716, 2758	PEDINI, M.	1935	POR, F.D.	1650
PAGAN-FONT, F.A.	723, 1541, 2988, 3006, 3229	PEEBLES, J.B.	682	PORATH, D.	2277
PAGCATIPUNAN, R.	2772	PELTON, C.	1238	PORTER, B.	2396
PAGE, J.W.	2884	PENNINGTON, H.P.	300	PORTER, H.J.	2976
PAIM, U.	546	PERILLO, G.	2092, 2241, 2303	PORTERFIELD, B.	11, 1791, 3267
PAITON, M.	1897	PERLMUTTER, A.	3067	POST, G.	1685
PAIVA, C.M.	1687	PERNA, A.	1355	POSTA, J.	3211
PAJULAHTI, H.	3208	PERROT, J.	2645	POSTUMA, K.H.	2347
PAKRASI, B.B.	3016	PERRY, W.G., JR.	1702, 2040, 2726, 2901, 3021, 3026	POUPARD, C.W.	988
PALACIO, F.J.	83	PERRY, W.G. JR.	1372, 2900	POWELL, G.M.	1909
PALACKOVA, J.	1437	PERSHE, E.R.	2027	POWELL, M.R.	2680, 2935
PALFREMAN, D.A.	3481	PERSOONE, G.	1632, 2456, 2659	POWERS, J.E.	1303
PALMEGIANO, G.	2201	PESSONEY, G.	3193	POWNALL, P.C.	2730, 2809, 3485
PALMEGIANO, G.B.	635, 1588	PESTANO-SMITH, R.	2197	POZNANIN, L.P.	508
PALMER, F.E.	1701, 1714	PETERKA, J.J.	2088	PRASAD, R.R.	287
PALMER, H.V.R., JR.	1299	PETERKIN, F.A.	3180	PRATHER, EDMUND E.	3074
PAMATMAT, M.M.	2491	PETERSON, M.E.	848	PRATHER, E.E.	1693, 1711
PAMULAKLAKIN, E.R.	225, 775, 975, 2669, 2670, 2671, 3115, 3430, 3431, 3432, 3433, 3434, 3435, 3436, 3437, 3438, 3439	PETERSON, R.E.	2552	PRATT, K.M.	740
PANCHENKO, S.M.	1016	PETERSON, R.H.	642	PRATT, R.F.	193
PANCORBO, O.	962	PETRENKO, I.S.	1968	PRAZAKOVA, M.	1107, 1325
PANICKER, P.K.R.	2183	PETRY, G.	3250	PRENTICE, E.	553
PANTASTICO, J.B.	1638	PETTIT, S.W.	733	PRENTICE, E.F.	405
PANTULU, V.R.	223, 2011	PFEFFER, E.	1404, 1646	PRENTICE, E.P.	477
PAPERNA H, I.	884	PFUND, R.	2759	PREPEJCHAL, W.	1394
PAPP, L.	3211	PHELPS, S.R.	663	PRESCOTT, S.R.	3314
PAPPAS, C.J.	1716	PHLEGER, C.F.	3581	PREWITT, R.	313
PAPST, M.	1397	PICKERING, A.D.	381	PRICE, A.H.	1233
PAR, O.	1594	PIEDAD-PASCUAL, F.	1612	PRICE, A.H., II.	498
PARAMESWARAN, S.	769	PIERCE, B.A.	2204, 2244	PRICE, KENT S.	1665
PARDUE, GARLAND B.	3051	PIERCE, B.E.	2262	PRICE, K.S., JR.	2418
PARDUE, G.B.	1249	PIGGINS, D.J.	2982	PRICKETT, R.	2098
PARISER, E.R.	261	PILE, R.S.	1222, 2459, 2460	PRIDDY, J.M.	3509
PARISH, H.	250	PILLAI, K.K.	449	PRIMAVERA, J.	2342
PARK, C.K.	2030	PILLAI, T.G.	1019	PRIMAVERA, J.H.	561, 710, 738, 1103, 2627
PARK, H.	1217	PILLAY, T.V.R.	3, 159, 222, 227, 289, 312, 1808, 2010, 2897, 3174	PRINCE, J.S.	511, 1356
PARK, J.S.	2030	PINCHOT, G.B.	3014	PRITCHARD, G. I.	2084, 2909, 3492
PARKER, H.S.	3148	PIPES, W.O.	3535	PRIVEZENTSEV, IU A.	1678, 2592
PARKER, I.S.C.	595	PIROZHNIKOV, P.L.	734	PROCHASKA, F.J.	2452, 3251, 3254, 3307
PARKER, J.C.	485, 1012, 1361, 2246, 2857, 3033, 3036, 3061, 3126, 3223, 3473	PIRZAN, A.M.	481	PROSKE, C.	1173, 1800, 2072
PARKER, J.D.	934	PISKAC, A.	1441, 1504	PROSPERO, O.Q.	2157
PARKER, N.C.	1817, 1845, 2362, 2577	PITCHAJRAJ, R.	1387	PROVASOLI, L.	1663
PARKER, NICK C.	2538	PITCHER, T.J.	1505	PROWSE, G.A.	1740
PAROVA, J.	1594	PITMAN, R.	2506	PRUDER, G.D.	1827
PARRISH, B. B.	3119	PIZZALI, A.F.M.	1090	PRUGININ, YOEL.	1840
PARSHUTA, V.V.	963	PLAKAS, S.M.	1497	PRYOR, T.A.	323, 2312, 2448
PARSONS, J.E.	1551	PLATT, S.	1618	PUDADERA, B.	438
PARTRIDGE, F.E.	2434	PLATTS, W.S.	1070, 1071, 2434	PUDADERA, R.A.	1103
PARULKAR, A.H.	2467	PLAVNIK, I.	1784, 1785	PULLIN, R.S.V.	17, 43, 174, 560, 667, 1873
PASKEL, S.L.	3176	PLEMMONS, B.	2206	PUNWANI, D.M.	2033
PASSANZA, T.	2431	PLUMB, J.A.	882	PURDOM, C.E.	834
PATERSON, W.D.	899	POBORAN, A.	3182	PURDY, C.B.	1580
PATHAK, S.C.	2198	PODEMS, M.	2532	PURNOMO, A.	269
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PAUL, A.J.	767	POERNOMO, A.	1754, 2722, 2758	PURWANTO, J.	1947
PAULSEN, C.	2522	POIROT, G.	2331	PURWINS, H.	2118
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PAVLIVSKII, V.P.	1679, 2736	POLIDORO, V.	2241	QASIM, S.Z.	2467
PAVLOV, D.A.	601	POLISHCHUK, L.R.	3214	QUANTZ, G.	2345
PAYER, H.D.	1803	POLK, E.	1424	QUAYLE, D. B.	2232
PAYER, A.I.	2955	POLLNAC, R.B.	2445	QUERELLOU, J.	1821
PAYNE, D.B.	2044	POLOVINA, J.	1212, 1215	QUICK, J.A., JR.	1252
PAYSKY, F.T.	848	POLSIRI, A.	1803	QUIGLEY, J.T.	1055, 2551
PEARSON, R.	138	POMEROY, W.M.	1494	QUINATA, I.C.	1900
PEARSON, R.E.	380	PONNIAH, A.G.	1387	QUINN, J.	1505
PEARSON, W.D.	488			RAA, J.	1446
PEART, L.R.	3062			RABANAL, H.R.	64, 3422
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RACHOK, I.A.	2340	REINHOLD, H.	1766	ROMANENKO, V.D.	388
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RAISANEN, G.R.	1801	REUBEN, S.	2147	ROSEN, R.A.	1758
RAJ, S.P.	2096	REVERA, D.B.	3562	ROSENKRANZ, A.	641
RAJAGOPALAN, K.	2703	REYNOLDS, J.B.	2259	ROSENTHAL, H.	514, 1110, 1170, 1257
RAJBANSHI, K.G.	3297	RHO, S.	1135	ROSIVAL, I.	1350
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RAM, N.M.	364	RHODES, T.B.	2266	ROTH, M.G.	2558
RAMACHANDRAN, V.	1021	RHYTHER, J.H.	1185	ROTHBARD, S.	1623
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RAMOS, M.M.	2051	RICHARDS, T.L.	1232	ROWLAND, L.O.	1240
RAMOS HENAO, A.	2760	RICHARDSON, I.	3538	ROY, EWELL P.	3212, 3218, 3467
RAMSEY, J.S.	521	RICHARDSON, L.B.	1051	ROYAN, J.P.	1432, 1489, 1502
RANADE, M.R.	3312	RICHMOND, M.S.	1270, 3460	ROYS, R.	2878
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RANDALL, R.G.	546	RICKARD, C.G.	910	RUDENKO, G.P.	1767
RANDOLPH, K.N.	1670, 2617	RICKARDS, WILLIAM L.	927	RUIZ RUBIO, L.E.	3340
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RAY, L.E.	2433	RIVAS, R.	1597	RUZIC, J.E.	2836, 2875
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RAY, S.M.	1284	ROBERTS, KENNETH J.	3507	RYMAN, N.	647
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REDMANN, G A.	1316	RODRIGUEZ, E.G.	555	SAINT-PAUL, U.	1590
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REED, W.J.	3081	ROELOFS, E.W.	1644	SAKAMOTO, M.	1403
REEPMAYER, MARLIES.	938	ROELOFS, T.D.	1113	SAKIYAMA, T.	1171
REEVES, W.C.	1353, 1694	ROELS, O.A.	476, 2994	SAL'NIKOV, L.P.	1143
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REGIER, H A.	2958	ROGERS, A.	1998		
REID, B.L.	1606	ROGERS, B.A.	588		
REIGER, G.	2713	ROGERS, B.D.	3516		
REIMERS, PAUL E.	709, 1213, 1214	ROGERS, B.J.	1389		
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SALTE, R.	1406	SCHNEIDER, W.L.	2847	SHAW, P.-C.	1093
SAMAN-PHUMIPHOL.	3022	SCHNICK, ROSALIE A.	1006	SHAW, T.L.	1045
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SAMOILOV, V.V.	1535	SCHRECK, C.B.	545	SHCHERBINA, M.A.	1649
SAMPAIO, I B M.	1675	SCHRODER, S.L.	247	SHCHERBUKHA, A.IA.	1828
SAMPLES, K.C.	2212	SCHROEDER, G.	1674	SHEEHY, D.J.	1
SAMPSON MANICKAM, P.E.		SCHROEDER, G.L.	1198, 1496, 1519, 1593, 1598, 1626, 1637, 1719, 2835	SHEHADEH, Z.H.	818, 2168
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SANDERCOCK, F.K.	371	SCHULTINK, V M.	2558	SHELL, EDDIE W.	3074
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SANDIFER, P.I.	2601	SCHWARTZ, H.G., JR.	1094	SHERMAN, I.M.	1968
SANDIFER, R.A.	1216	SCHWIND, PHIL.	2525	SHERMAN, L.E.	881
SANIEL, L.S.	883	SCOTT, A.	3532	SHERMAN, M.	1704
SANJEEJEEVA RAJ, P.J.	2175	SCOTT, C.A.	3546	SHETTY, H.P.C.	1461, 1532, 1539, 1558, 1624, 2681
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SANTOS, A.E.D.	638	SEAGRAVE, C.P.	880	SHIGUENO, K.	3023
SANTOS, EURICO.	2498	SEBASTIAN, V. O.	1796	SHIM, K.F.	1556
SANTOS, R.	2167	SECRETAN, P.A.D.	1893, 1894, 3274, 3277, 3300, 3320, 3321, 3357, 3380, 3427	SHIMAZAKI, K.	3090, 3096
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SASAKI, M.	890	SEHGAL, K.L.	706	SHIN, B.S.	1094
SASEKUMAR, A.	1458	SEID-RZAEV, M.M.	1126	SHIOBARA, Y.	3597
SASTRY, A.N.	528	SEIDLITZ, U.	748	SHIRAZI, M.A.	1084
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SCARSBROOK, E.	1680	SENSENI, K.L.	1936	SIAW, C.L.	3134
SCHAFFER, H.J.	2942	SEO, J.D.	926	SIDDIQI, R H.	1289
SCHAPERCLAUS, W.	3132	SEO, K.K.	2552	SIEBURTH, J.M.	1258, 2635, 2763
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SIMONUTTI, T.	1486	SNODGRASS, T. B.	1318	STEPHENS, W.W.	1152
SIMPSON, D.E.	2259	SNOW, J.R.	1551	STEVENS, B.	2363
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SKEEL, M.E.	1849	SPEECE, R.E.	1074	STOUT, B. A.	2558
SKINNER, JOHN L.	2684	SPIESER, O.H.	889	STOUT, JUDY P.	3092
SKJERVOLD, H.	2842	SPIGARELLI, S.A.	1394	STRAIT, L.E.	1804
SKLYAROV, V. YA.	1503	SPINELLI, J.	1691, 3155	STRAUB, D.	2526
SKORSKI, Z. E.	3178	SPLANE, J.	2296, 2297,	STRAWN, K.	503, 519,
SLACK, E.B.	1326		2299, 2300		674, 1599, 1953, 2379, 2478, 2577,
SLANE, J.	2298	SPOTTE, STEPHEN H.	3001		2698
SLOCOMBE, R.F.	1531	SPRAGUE, L.M.	3018	STRAWN, R.K.	431, 1530
SMALL, D.P.	3245	SPURNY, P.	1500	STREET, D.R.	63
SMALLEY, T.	724	SREENIVASAN, A.	2082	STREL'TSOVA, V.I.	1513
SMART, G.	1140	SRIVASTAVA, B.K.	1447	STREL'TSOVA, V.T.	1512
SMART, G.R.	1047	SRIVASTAVA, G.N.	2146	STROUD, RICHARD H.	2692
SMIT, J.G.P.	3348	SRIVASTAVA, N.K.	696	STROUP, CANDACE.	118
SMITH.	1319	SRNA, R.F.	3168	STROUP, E.D.	268
SMITH, A.D.M.	1816	STABELL, O.B.	448	STUCK, D.D.	90
SMITH, B.	3011	STAHL, G.	647	STUDSTROD, J.E.	2204
SMITH, BARRY D.	1119	STAHL, M.S.	1587	STUIBER, D.A.	2688
SMITH, B.C.	107	STAIRS, S.	736	STUNKARD, H.W.	873
SMITH, C.W.	498, 1233	STAITIEH, S.	3250	SU, C.K.	467
SMITH, D.C.	3245	STAMP, N.	2485	SUBRAMANYA, M. N.	959
SMITH, EUGENE M.	2245	STANGENBERG-OPOROWSKA, K.		SUDJIHARNO, M.	1600, 2385
SMITH, F. J.	3408, 3411		1276	SUFFERN, J.S.	721, 2165
SMITH, G.S.	1813	STANLEY, BOB.	2289	SUGAHARA, I.	1366
SMITH, I.R.	8, 2197	STANLEY, H. I.	1324, 1341	SUGIYAMA, M.	1234, 1366
SMITH, J.E.	960	STANLEY, J.	1973	SUKHOVERKOV, FILIPP	
SMITH, J.N.	99	STANLEY, J.G.	579, 703,	MIKHAILOVICH.	2728
SMITH, J.W.	908		727, 774, 1655	SUKOP, I.	1460
SMITH, L.J.	3450	STANLEY, R.A.	1117	SUKUMARAN, K.K.	665
SMITH, M.H.	1216	STANSBY, M. E.	3159	SUKUMARAN, N.	2096
SMITH, PAUL E.	708	STARNES, WAYNE C.	463	SULLIVAN, EDWARD G.	3044
SMITH, P.J.	618	STARR, P.D.	63	SULLIVAN, E.G.	2694, 3029
SMITH, R.A.	1123	STEARNS, J.E.	2860	SULLIVAN, G.M.	7, 3228
SMITH, R.D.	3304, 3306	STEDRONSKY, EDUARD.		SULTAMMURATOV, M. S.	
SMITH, S. J.	1294		3052		2950
SMITH, S.L.	746, 751	STEEBY, J.A.	1161	SUMITRA-VIJAYARAGHAVAN.	
SMITH, S.V.	268	STEELE, K.L.	1733		1432, 1489,
SMITH, T.I.	2601	STEENBERG, K.	1467		1825
SMITH, T.I.F.	688	STEFFENS, W.	748	SUMMER, C.	3319
SMITH, T.I.J.	815, 915,	STEGMAN, K.	2870	SUMMERFELT, R.C.	971, 1707,
	1216, 2641, 3100, 3591	STEIN, R.A.	1474		3511
SMITHERMAN, N.	2521	STEINBERG, M.A.	3173, 3181	SUMMERS, G.L.	2261
SMITHERMAN, R.O.	374, 386,	STELLEMAN, J.	3177	SUMMERS, M.W.	2626
	512, 521, 668, 726, 782, 1249, 2421,				
	2596, 2801, 3003				



SUMNER, C.	1990	TATARKO, K.I.	534	TOMIYAMA, TETSUO.	2511
SUMNER, C.E.	1884	TATE, W.P.	660	TONER, R.C.	1722
SUN, N T.	1313	TATUM, W.	493	TORRANS, E.L.	551, 1760
SUNDARARAJ, B.I.	770	TATUM, W.M.	2397, 2398,	TORRIERI JUNIOR, O.	2164
SUNDARARAJAN, D.	2166, 2327	2399, 2400, 2401, 2402, 2419, 2829,	3160	TORRISSEN, O.	1446
SUNDE, L.	2792			TORTELL, P.	221
SUNDE, L.A.	2827	TAUB, F.B.	1701, 1714,	TOWNSEND, D.F.	3263
SUNDERLIN, J.B.	1658		3513	TRALDI, C.	878
SUPPLEE, V.C.	2818	TAUBAEV, TURKMENBAI		TRAVAGLINI, N.	1355
SUSEELAN, C.	2025	TAUBAEVICH.	509	TRES-DICK, J.	1693
SUTINEN, J.G.	3472	TAUBER, G.	3233	TRIEFF, N.M.	2774
SUTTON, D.L.	579, 727,	TAVE, D.	668	TRIMBLE, G.M.	308
	2503, 3145	TAYLOR, L.R.	1889	TRIMBLE, W.C.	2171, 2397,
SUTTON, R.J.	1777	TAYLOR, L Y.	982	2398, 2399, 2400, 2401, 2402, 2419,	2540, 2641
SUVOROV, V.K.	1679, 2736	TAYLOR, R.E., JR.	395, 471,	TRINGHAM, RUTH.	325
SUWIGNYO, S.	585		479, 480	TRIPATHI, S D.	224
SUZUKI, K.	400, 3597	TAYLOR, R.E.L.	3317	TRITS, G.N.	984
SUZUKI, R.	2586	TCHOBANOGLIOUS, G.	1054, 2761,	TROFIMOVA, L.N.	1649
SUZUKI, T.	1815		2834	TROJNAR, J.R.	735
SVETLOV, M.F.	2954	TEER, JAMES G.	118	TROTMAN, C.N.A.	660
SVIATOGOR, G.P.	540	TEIXEIRA FILHO, A R.	2605	TROTTA, P.	1482
SVOBODOVA, Z.	1441, 1504	TEJADA, G.	1217	TRZEBIATOWSKI, R.	1858
SVRETT, R.F.	855	TENAKANAI, C.D.	2031	TSAI, S.	1020
SWAMINATHAN, M.S.	2200	TENG, S.-K.	2369, 2391	TSCHIKOWA, W.	888
SWANSON, M.	2826, 2879	TENG, S.K.	2355, 3308	TSOI, R.M.	554
SWANSON, M.E.	233, 2341,	TENORE, K.R.	1311, 1341,	TUBIASH, H.S.	335
	2744, 2910	1351, 1356, 1718, 1721, 1723, 2808		TUCKER, CRAIG STUART.	1097
SWANSTON, D.N.	1112	TEOH, B.L.	1305	TUCKER, C.S.	929
SWETT, D.	1189	TERAZAKI, M.	892	TUCKER, L.	1060, 1570
SWIFT, D.	126	TERCEIRA, A.C.	1980	TUMMALA, R L.	2558
SWINGLE, HOMER SCOTT.	306, 2964,	TERESHENKOV, I.I.	1720	TURDAKOV, A. F.	683
	3010, 3056, 3057, 3058, 3059, 3064	TERNOUTH, A.	2302	TURGUNOVA, U.T.	1512, 1513
SWINGLE, H.S.	3006, 3008	TERRELL, TERRY LEE TICKHILL.	1206	TURNER, D.T.	1426
SWINGLE, W.E.	2956, 3040			TURNER, L.S.	2256
SYLVESTER, J.R.	505	TERRY, O.W.	166, 265,	TUTEN, J.S.	1881, 2429,
SYSOEV, NIKOLAI PETROVICH.	3398		2256		2520
		THAIN, B.	1910	TUTT, J.	2742
SYSOEV, N.P.	3536	THARNUPPA, P.	892	TVENNING, HANS.	2075
SZALAY, M.	2995	THERIOT, R.F.	1211	TYDLACKA, G.C.	2326
SZAMBORSKI, J.	3555, 3556	THIA-ENG, C.	1603	TYLER, A.V.	2050
SZLAUER, B.	1564	THIEBAUT, ANDRE.	2824	UCHIDA, R.N.	343
SZLAUER, L.	1564	THOITS, C.F.	2997	UDUPA, K.S.	1539
SZUMIEC, J.	2673	THOITS, C.F. III.	3043	UEDA, H.	382, 630
TABACHEK, J.L.	1397	THOMAS, J.E.	3311	UEKITA, Y.	1375
TABB, D.C.	1700, 1736,	THOMAS, R.B.	796	UKELES, R.	1492, 1601,
	3526	THOMAS, R.E.	2987		1745, 2585
TABUCANON, M.	1887, 1888	THOMMES, M.M.	1394	ULRICH, GLENN.	2387
TACKETT, D.L.	3101	THOMPSON, C A.	3223	UNKENHOLZ, D.G.	1758
TACON, A.G.J.	1388, 1672	THOMPSON, R.K.	2711, 3593	UNWIN, G.L.	1978
TAGATZ, M.E.	1059	THORGAARD, G.H.	412	UPCHURCH, J.E.	1367
TAIPALINEN, I.	1032	THORPE, J.E.	2047	UPHAM, S.P.	3527
TAKAGI, K.	3090	THORPE, JOHN E.	2191	URE, J.	2485
TAKEDA, M.	1631	THROWER, S.J.	3191	USUI, ATSUSHI.	2785
TAL, S.	94, 3487,	THROW, F.	2278	UTNE, F.	1440
	3537, 3576	TIDEMANN, E.	1446	UYENCO, F.R.	883
TAMAOKI, B.I.	400	TIEMEIER, OTTO W.	2026	VACEK, JAN.	3258
TAMRAZOVA, N.I.	1098, 2350	TIEMEIER, O.W.	1716, 3220	VAIL, J.P.	811
TAN, E.O.	2153	TIEMER, O.W.	1651	VALENCIA-R., G.J.	1913
TAN, E.S.P.	2117	TIENSONGRUSMEE, B.	953, 1600,	VALENTI, C.C.	1488
TAN, R.H.	457	2208, 2384, 2385, 2438		VALENTI, R.J.	2301
TANAKA, J.	1272	TIEWS, K.	160, 288,	VALENTI, R.J.	1435
TANAKA, K.	390		930, 1438, 1575	VALTER, D.	859
TANAKA, MINORU.	2054	TILLIEN, G.	3246	VALTONEN, E.T.	872, 903
TANAKA, Y.	1497	TILSETH, S.	2652	VAN ALLER, R.T.	3193
TANG, H.C.	428	TIMBERLID, J.A.	1108	VAN ARMAN, JOEL A.	812
TANG, Y A.	1750, 2638,	TIMMERMANS, JOZEF A.		VAN DEN AVYLE, M.J.	466
	2639, 3037		3042	VANDERZANT, C.	934, 3223,
TANG, Z.	850	TING, R Y.	286		3595
TANONAKA, G.A.	326	TITAREV, E. F.	2233	VAN DYKE, J M.	2802
TANONAKA, G.K.	3508	TJABERG, T B.	3213, 3221	VAN GORDER, S.D.	2071
TAPIADOR, D D.	2501	TOCHOBANOGLIOUS, G.	794	VANHAECKE, P.	2351
TARASOV, E A.	1283	TODD, J.	169, 2276	VANHEMELRYCK, L.	476
TARIFENO-SILVA, E.	1025	TODD, J.H.	1981, 3354,	VANICEK, C DAVID.	2887
TARR, M.A.	2944		3374	VANICH-VARIKUL.	3022
TARRANT, R.M. JR.	2814	TOKUNO, H.	890	VAN OLST, J.C.	1254, 1275,
TASHIRO, F.	420	TOLG, ISTVAN.	2941		1292, 2018, 2755
TASHPULATOV, E A.	2951	TOLOKONNIKOV, G.Y.	1567		
		TOMASIN, A.B.	894		

VAN TOEVER, W.	1056, 1979	WALSH, D.F.	1018	WHITFIELD, W.K., JR.	2846
VANYAYEV, N.	830	WALTERS, C.J.	568, 592, 1816	WHORISKEY, F.G.	1864
VAN ZON, J.C.	2502		345	WHYTE, J.N.C.	3105
VARELA, G.	1920	WALTERS, J.F.	3100	WICKINS, J.F.	2417, 2642
VARGAS, J.I.	196	WALTZ, W.	681	WICKRAMANAYAKE, D.	537
VARGHESE, T.J.	571, 633, 2029, 2144, 2681	WANG, C.Y.	800		585
VARLEY, R.L.	973	WANG, J.C.S.	1263, 2009, 2463, 2598	WIDJAJA, F.T.	1863, 2210
VASAL, S.	770	WANG, J.K.	593	WIDMAN, J.C.	1691
VASQUEZ, E.O.	207, 2571, 2572, 2573, 2574, 2575, 2576, 3413	WANG, M.	467	WIEG, D.	46
VASUDEVAPPA, C.	2029	WANG, T.H.	452	WIELAND, T.	1414, 1484
VAUGHN, C.L.	3486	WANGILA, B.C.C.	2905	WIESER, W.	2689
VAUGHN, J.M.	471, 1296, 1340, 1356	WARNER, K.	1089	WIESINGER, MARTON.	
VDOVENKO, N.E.	1608	WARREN, C.E.	1209	WIESNER, ERHARD ROBERT.	843
VEDAVYASA, P.	673	WARRER-HANSEN, I.	2564		2017
VEGA-MORERA, H.	1907	WASLAND, J.R.	458	WIGGIN, K.	2789
VEGAS VELEZ, M.	70	WATABE, N.	1228	WIGGLESWORTH, K.A.	1984
VENKATARAMIAH, A.	1617	WATANABE, T.	896	WIJSEKERA, N.	2010
VENKATESAN, V.	2166, 2327	WATANABE, Y.	3253, 3310	WIJKSTROM, U.	2849
VENKATESH, B.	1624	WATERS, J.R.	75, 1145, 2251, 2252, 2253, 2254, 3149, 3150	WILBUR, R.L.	3279
VENKATESH PRASAD, G.S.	2144	WATSON, A.S.	3198	WILDE, F.	255, 295
	831	WATSON, B.	2804	WILDMAN, R.D.	602
VERNA, M.N.	434	WATT, C.E.	3309	WILL, R.D.	2838
VERRAES, W.	1501, 2351	WATTANUTCHARIVA, S.	3589	WILLIAMS, D.D.	1455
VERSICHELE, D.	1037		1830	WILLIAMS, E.	191
VETTER, R.J.	3472	WATTERS, K.W.	3539	WILLIAMS, E.	979
VIDAEUS, L.D.	1	WATTS, R.	2067	WILLIAMS, H.	553
VIK, S.F.	296	WAUGH, F.V.	3539	WILLIAMS, J.	1287, 2631
VILLALUZ, D.K.	2158	WAUGH, G.	1906	WILLIAMS, L.D.	1226
VILLEGAS, C.T.	1014	WAUGH, G.T.	2282	WILLIAMS, L.L.	3351
VILLELLA, J.B.	2668	WAWRONOWICZ, L.J.	2629, 2630	WILLIAMS, R.	3479
VINCKE, M.M.J.	1393	WAYGOOD, E.R.	764, 2637	WILLIAMS, R.J.	3446
VINYARD, G.L.	1407, 1445, 1449, 1537, 1571, 1607	WEAR, R.G.	3401	WILLIAMS, S.	822
VIOLA, S.	819	WEATHERLEY, A.H.	3130	WILLIAMS, W.G.	2965
VIRBICKAS, JOUZAS.	1138	WEAVER, S.L.	190, 1991, 2697, 2891, 2912, 2996, 3429, 3490, 3501, 3585	WILLIAMSON, G.R.	3415
VIRK, S.	1199	WEBBER, H.H.	1931	WILLIAMSON, J.	3415
VIVIANI, ROMANO.	2274	WEBSTER, DON.	1002, 1029	WILLIAMSON, J.L.	2412
VIZCARRA, A.T.	1579, 2592	WEDEMEYER, G.A.	2607	WILLIAMSON, M.R.	2009
VLASOV, V.A.	781	WEHR, L.W.	2060	WILLIS, D.W.	586, 675, 1384, 1560
VOICAN, VASILE.	2279	WEI, C.H.	678		2336
VOLKOVA, S.I.	1717	WEI, C.K.	678	WILLIS, MITCHELL J.	482
VOLOSHENKO, B.B.	1325	WEI, Y.S.	669	WILLIS, S.A.	1580
VONDRUS, B.	3275	WEIL, C.	1541	WILLOUGHBY, C.E.	826, 2796
VONDRUSKA, J.	3409	WEILER, D.	250	WILLOUGHBY, H.	2597
VONDRUSKA, JOHN.	2481	WEISBERG, J.	1246, 2046	WILLSON, K.	1903
VON PRAHL, H.	2215	WEISSMAN, J.	2259, 3239	WILLSON, S.D.	3561
VORASAYAN, P.	621, 1057, 1565, 1581, 2560	WEITHMAN, A.S.	935	WILSON, D.P.	1880
VOROB'EV, V.I.	824	WELLBORN, T.L., JR.	2309	WILSON, J.	2372
VORONINA, E.A.	1892	WELLS, K.	2406	WILSON, J.V.	2447
VOSTRADOVSKA, M.	1892	WELSH, G.	1346	WILSON, W.J.	1395
VOSTRADOVSKY, J.	2833	WENNER, A.M.	1590	WIND, J.J. VAN DER.	2494
VOUTOVICH, A.	1356	WERDER, U.	1977, 2493	WINDSOR, M.	3582
VREELAND, V.	641, 1136	WERTHEIMER, A.C.	2220	WINDSOR, M.L.	1430, 1442, 1463
VREENEGOOR, S.M.	441	WESCHE, THOMAS A.	2138	WING, A.S.	1287
VU TAN TUE.	2172	WEST, A.E.	2509	WINGARD, R.G.	2081, 2606
WAALAND, J.R.	399	WEST, G.R.	740, 785, 1041	WINKLER, H.	378
WAGNER, G.F.	380	WESTERS, H.	588, 3472	WINTER, J.E.	1622
WAHLE, R.J.	1749	WESTIN, D.T.	2944, 2967, 3328	WIRTANEN, L.J.	3039
WAHLQUIST, H.	3067	WESTLEY, R.E.	50	WISELY, B.	1606, 1780, 1849, 2184
WAINRIGHT, R.B.	405		2466	WISELY, H.B.	2867
WAKNITZ, F.W.	553	WETCHAGARUN, K.	1160, 1218, 1952, 2767	WISKER, J.D.	1934
WAKNITZ, W.	1917, 3236, 3240, 3281, 3304, 3306, 3371	WHEATON, F.W.	1443	WITHLER, F.C.	539
WALDROP, J.E.	1929	WHIPPLE, J.A.	2776, 2827	WITT, U.	1478, 1582, 2345
WALDROP, J.E. JR.	3421	WHITAKER, J.	510, 2881, 2940, 3592		2239
WALFORD, J.	907	WHITE, D.B.	3189	WITTIG, H.	552, 616, 749, 773, 1637
WALKER, D.P.	95	WHITE, J.T.	1897	WOHLFARTH, G.	1593
WALKER, M.	1974	WHITE, P.G.	373, 611	WOHLFARTH, G.W.	1559
WALKER, M.H.	3261	WHITEHEAD, C.	3129	WOJNO, TADEUSZ.	902, 1013
WALKER, N.P.	2980	WHITESIDE, B.G.	1210	WOLF, K.	2219
WALLIS, J.	1850, 2779	WHITFIELD, M.		WOLFE, J.	1981
WALNE, P.R.	129, 130, 131, 713, 2124, 2374, 3361			WOLFE, J.R.	299
WALSH, D.				WOLFE, L.	302
				WOLFE, LOUIS.	928
				WOLKE, R.E.	2803
				WOLTMAN, R.	



WOLVERTON, B.C.	1155	YU, O.K.	2274
WONG, M.H.	1067, 1420, 1552	YU, S.Y.	3134
WOO, N.Y.S.	1132	YUAN, P.W.	34
WOOD, F.E.	732	YUFERA, M.	365
WOOD, J.F.	1542, 1543	YURKOWSKI, M.	1397
WOOD, J.R.	732	ZABAVA, I.	1480
WOOD, J.W.	1002	ZABRIC, B.	2048
WOODIN, SARAH ANN.	520	ZAHRADNIK, J.W.	2256, 2765, 2766, 2775
WOODING, N.H.	2081	ZAITSEV, V.	112
WOODWARD, B.	357	ZAITSEV, V.F.	1534
WOODWARD, D.F.	1023	ZARUR, A.	2370
WOODWARD, S.	3245	ZATILA, J.	862
WOOTEN, R.	908	ZAUGG, W.S.	379
WORRALL, C.M.	652	ZDINAK, A.	383
WORSECK, M.	1766	ZEHME, C.	2118
WOYNAROVICH, E.	620, 1566, 2179, 2604	ZEI, M.	3388
WOYNAROVICH, ELEK.	2732	ZELENOV, V.G.	1563
WRAY, T.	590, 2087	ZEMKOV, G. V.	3162
WRIGHT, D.E.	1405	ZENGHAN, Z.	609
WRIGHT, J.	1846	ZERBINATO, M.	19
WRIGHT, K.	1846	ZEUTZIUS, I.	2176
WU, C.A.	637	ZHENSHENG, L.	609
WULFF, R.E.	1778	ZHILIUkas, V.J.	847
WURZER, E.	2058	ZHITENEVA, L D.	1004
WYATT, J.M.	2460	ZIELINSKI, P.	2393
WYBORN, P.	2150	ZIV, I.	3576
XINGGUANG, P.	609	ZOHAR, Y.	891
XU, R.I.	593	ZSILINSZKY, SANDOR.	2570
XUEKUN, Z.	609	ZUBER, S.	1943, 2160, 2161
YADA, L.S.	768	ZUBOY, J.R.	2126
YADAV, N.K.	869	ZUR, O.	364, 1144,
YADAVA, Y.S.	2198		1528, 1529, 1949
YAMADA, J.	390, 896	ZWEIG, R.	2049, 2219
YAMADA, N.	3112	ZWEIG, R.D.	1981
YAMADA, S.	2283		
YAMAGUCHI, MASAO.	2410		
YAMAMOTO, T.	2923		
YAMANAKA, N.	2949		
YAMANE, H.C.	173		
YAMAZAKI, F.	689		
YANG, H.I.	637		
YANG, W.T.	2536		
YANG, Y.C.	678		
YANT, D.R.	782		
YANZITO, R.A.	1046		
YAP, C.L.	3335		
YAP, W.	1165		
YAP, W.G.	3577		
YAROSH, M M.	1347, 1349		
YARRIS, L.	3144		
YASHOUV, A.	807		
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