

Historic, Archive Document

Do not assume content reflects current scientific knowledge, policies, or practices.

a Z5076
AIU 54



United States
Department of
Agriculture

National
Agricultural
Library

Bibliographies
and Literature
of Agriculture
Number 84

September 1989



Farm Animal Welfare, January 1979-April 1989



United States
Department of
Agriculture

National
Agricultural
Library

Bibliographies
and Literature
of Agriculture
Number 84

September 1989



Farm Animal Welfare, January 1979-April 1989

Compiled and Edited by
Charles N. Bebee

and

Janice Swanson
National Agricultural Library

United States Department
of Agriculture
National Agricultural Library
Beltsville, Maryland 20705

Availability of Cited Documents

Non-USDA Patrons

The materials listed in this bibliography are available on interlibrary loan through your local library. The librarian in your public, State, university, or corporate library can assist you in obtaining materials either in your area or directly from the National Agricultural Library (NAL). Current charges are:

Photocopies: \$ 5.00 for the first 10 pages
\$ 3.00 for each additional 10 pages

Microfiche: \$ 5.00 for the first fiche
\$.50 for each additional fiche

Microfilm: \$10.00 per NAL-owned reel of microfilm

Invoices are issued quarterly. Requests must comply with the National or International Interlibrary Loan Code. Questions about the availability of these materials may be directed to:

Lending Branch
National Agricultural Library
10301 Baltimore Boulevard
Beltsville, MD 20705
(301) 344-3755

USDA Patrons

The materials listed in this bibliography may be obtained by submitting one Form AD-245 for each item requested to your local Agency or Regional Document Delivery System Library or directly to the address above.

CONTENTS

<u>SUBJECT</u>	<u>ITEM NO.</u>
EDUCATION AND TRAINING, NOT EXTENSION	1-4
EXTENSION AND ADVISORY WORK, NON-US	5
LEGISLATION	6-31
ECONOMICS OF AGRICULTURAL PRODUCTION	32
FARM ORGANIZATION AND MANAGEMENT	33-43
RURAL SOCIOLOGY	44-45
DISTRIBUTION AND MARKETING	46-74
GRADING, STANDARDS AND LABELING	75
CONSUMER ECONOMICS	76
PLANT PRODUCTION - GENERAL	77
PLANT PRODUCTION - FIELD CROPS	78
PLANT PRODUCTION - RANGE	79-80
PLANT ECOLOGY	91-92
PLANT PHYSIOLOGY AND BIOCHEMISTRY	93
PESTICIDES	94-95
SOIL FERTILITY - FERTILIZERS	96
SOIL EROSION AND RECLAMATION	97
FORESTRY RELATED	98
ANIMAL SCIENCE	99-104
ENTOMOLOGY RELATED	105-107
ANIMAL PRODUCTION	108-390
ANIMAL GENETICS	391-477
ANIMAL REPRODUCTION	478-598
ANIMAL ECOLOGY	599-1779
ANIMAL STRUCTURE	1780-1782
ANIMAL NUTRITION	1783-2000
ANIMAL PHYSIOLOGY AND BIOCHEMISTRY	2001-2205
VETERINARY SCIENCE AND HYGIENE	2206-2412
VETERINARY PHARMACOLOGY, TOXICOLOGY AND IMMUNE THERAPEUTIC AGENTS	2413-2430
PESTS OF ANIMALS - GENERAL MISCELLANEOUS	2431-2434
PESTS OF ANIMALS - INSECTS	2435-2445
PESTS OF ANIMALS - HELMINTHS	2446-2447
ANIMAL DISEASES - GENERAL	2448-2454
ANIMAL DISEASES - BACTERIAL	2455-2457
ANIMAL DISEASES - PHYSIOLOGICAL	2458-2487
ANIMAL DISORDERS - PHYSICAL TRAUMA	2488-2505
PROTECTION OF ANIMAL PRODUCTS - GENERAL AND MISCELLANEOUS	2506-2507
AGRICULTURAL ENGINEERING	2508-2509
STRUCTURES AND STRUCTURAL EQUIPMENT	2510-2674
FARM EQUIPMENT	2675-2687
NATURAL RESOURCES	2688-2694
CONSERVATION AND USE OF ENERGY	2695
BIOMASS ENERGY SOURCES	2696
FOOD SCIENCE - POULTRY	2697
FOOD PROCESSING - LIVESTOCK	2698-2700
FOOD COMPOSITION - DAIRY	2701
FOOD COMPOSITION - LIVESTOCK	2702-2714
FOOD COMPOSITION - POULTRY	2715-2720

FEED COMPOSITION	2721-2731
PHYSIOLOGY OF HUMAN NUTRITION	2732
DIET AND DIET- RELATED DISEASES	2733
POLLUTION	2734-2735
MATHEMATICS AND STATISTICS	2736-2737
DOCUMENTATION	2738-2739
LIFE SCIENCES	2740-2741
HUMAN MEDICINE, HEALTH, AND SAFETY	2742
SOCIAL SCIENCES AND HUMANITIES	2743-2745

AUTHOR INDEX p. 285 - 301

INTRODUCTION

The citations in this bibliography are selected from works by U.S. and foreign authors on all aspects of farm animal welfare as it relates to behavior and a wide variety of environmental variables. All citations are derived from the database AGRICOLA (AGRICultural OnLine Access), a database compiled by the National Agricultural Library (NAL) and its cooperators, and are a part of the NAL collection.

Entries in the bibliography are subdivided into a series of subject headings used in the table of contents of the Bibliography of Agriculture and the National Agricultural Library Catalog. Each citation appears under the subject heading assigned to the particular item. A complete author index is provided in the publication.

Any comments or questions may be forwarded to the coauthors:

Charles N. Bebee
USDA, National Agricultural Library
Room 111
Beltsville, MD 20705
(301) 344-4077

or

Janice C. Swanson, Ph.D.
Animal Welfare Information Center
USDA, National Agricultural Library
Room 301
Beltsville, MD 20705
(301) 344-3074

BIBLIOGRAPHY

EDUCATION AND TRAINING NOT EXTENSION

0001

Family pens as a species-specific system for keeping pigs in the tropical lowlands of Yucatan.
Neugebauer, B. Witzenhausen : Verlagsgruppe Witzenhausen , c1986. The importance of biological agriculture in a world of diminishing resources : proc of the 5th IFOAM Int Scientific Conference at the Univ of Kassel (Germany), Aug 27-30, 1984 / H. Vogtmann, E. Boehncke, I. Fricke, eds. p. 387-395. ill. Includes references. (NAL Call No.: DNAL S605.5.I45 1984).

0002

Foal rejection and other behavioral problems in the postpartum period (Behavior of the mare).
Houpt, K.A. Princeton Junction, N.J. : Veterinary Learning Systems. The Compendium on continuing education for the practicing veterinarian. Mar 1984. v. 6 (3). p. S144-S148, S150-S152. ill. Includes references. (NAL Call No.: SF601.C66).

0003

The use of large animals in teaching.
Shires, G.M.H. Blacksburg, Va. : The Association of American Veterinary Medical Colleges. Journal of veterinary medical education. Fall 1986. v. 13 (1). p. 7-8. Includes references. (NAL Call No.: DNAL SF601.J62).

0004

Veterinary animal behavior: Where did it come from? What problems does it face? Where is it going?.
Crowell-Davis, S. Santa Barbara, Calif. : Veterinary Practice Pub. Co. Equine practice. May 1987. v. 9 (3). p. 26-28. (NAL Call No.: DNAL SF951.E62).

EXTENSION AND ADVISORY WORK NON US

0005

Advisory work in the Dutch poultry, swine and cattle industry in the years ahead (Livestock health and welfare, Netherlands). Dutch.
Curfs, P.F.BDWKA. Den Haag : Ministerie van Landbouw en Visserij. Bedrijfsontwikkeling. Apr 1983. v. 14 (4). p. 279-281. (NAL Call No.: S11.B43).

LEGISLATION

0006

Animal welfare legislation (German Animal Protection Act).
Rojahn, A. CTVSD. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1983. Paper presented at the Seminar on Indicators Relevant to Farm Animal Welfare, Mariensee, 9-10 November 1982. v. 23. p. 3-12. (NAL Call No.: SF600.C82).

0007

A chronology of significant events, meetings, and publications concerning the welfare of laboratory and farm animals.
Rowan, A.N. Washington, D.C. : Institute for the Study of Animal Problems. International journal for the study of animal problems. May/Apr 1981. v. 2 (2). p. 60-67. Includes references. (NAL Call No.: DNAL HV4701.I49).

0008

Code of accepted farming practice for the welfare of pigs (Swine).
Melbourne : The Department. Agnote - Melbourne. Dept. of Agriculture. Mar 1983. Mar 1983. (2141/83). 4 p. (NAL Call No.: S3.A36).

0009

Code of accepted farming practice for the welfare of sheep (Australia).
Melbourne : The Department. Agnote - Melbourne. Dept. of Agriculture. Dec 1982. Dec 1982. (2026/82). 2 p. (NAL Call No.: S3.A36).

0010

Code of accepted farming practice for the welfare of the domestic fowl (Australia).
Melbourne : The Department. Agnote - Melbourne. Dept. of Agriculture. Dec 1982. Dec 1982. (2029/82). 4 p. (NAL Call No.: S3.A36).

0011

Code of accepted farming practices for the welfare of farm animals during transportation (Australia).
Melbourne : The Department. Agnote - Melbourne. Dept. of Agriculture. Dec 1982. Dec 1982. (2028/82). 4 p. (NAL Call No.: S3.A36).

0012

Congress funds the removal of 10,000 wild horses in 1988.
Gaspar, R.J. Denver, Colo. : American Humane Association, Animal Protection Division. Advocate. Winter 1988. v. 6. p. 10-11. ill. (NAL Call No.: DNAL HV4701.A35).

0013

Europe's farm animals.
Washington, D.C. : The Institute. The Animal Welfare Institute quarterly. Winter 1982/83. v. 31 (4). p. 1, 6-8. ill. (NAL Call No.: DNAL HV4761.A5).

0014

EVA Animal Welfare Foundation Symposium--priorities in animal welfare: Summary and conclusions.
Tandy, J. (comp.). Oliver, D.F. (comp.). London : BVA Animal Welfare Foundation, 1984? . Priorities in animal welfare : the proceedings of the Animal Welfare Foundation's first symposium, held on 20 November 1984 / edited by Liz Bagnall. p. 108-116. (NAL Call No.: DNAL HV4704.A54 1984).

0015

The farm animal welfare research in the EEC.
LPSCD. Tarrant, P.V. Amsterdam : Elsevier Science Publishers B.V. Livestock production science. Sept 1984. v. 11 (5). p. 457-460. Includes references. (NAL Call No.: DNAL SF1.L5).

0016

Federal judge condemns hot-iron face branding.
Washington, D.C. : The Institute. The Animal Welfare Institute quarterly. Spring 1987. v. 35 (1). p. 3. ill. (NAL Call No.: DNAL HV4761.A5).

0017

Federal law and animal welfare (USDA, includes soring of horses, thermovision).
Mulhern, F.J. Amsterdam, Elsevier. Animal regulation studies. Apr 1981. v. 3 (3). p. 237-245. ill. 13 ref. (NAL Call No.: HV4701.A52).

(LEGISLATION)

0018

Health and humane care of animals (Shipping and transportation of U.S. livestock overseas, inspection and quarantine, mostly sheep).
Waters, H. Mitchell, O.; Prichard, W.; Murray, G.; Senda, E.; Roscoe, L.; Bailey, W. (s.l. : s.n., 1982). Proceedings of the first Livestock by Ocean conference : June 23 & 24, 1982, Portland, Oregon / Conference cosponsors U.S. Dept. of Agriculture, Internat'l Transportation Serv. Br., Office of Transportation ... (et al.). p. 61a-87. ill., maps. (NAL Call No.: HD9416.L5 1982).

0019

Improving the life of farm livestock: a Canadian point of view.
Tennessen, T. Amsterdam : Elsevier Science Publishers, B.V. Applied animal behaviour science. Paper presented at the "Symposium on Animal Bio-ethics and Applied Ethology," August 1987, Montreal, Canada. July 1988. v. 20 (1/2). p. 159-163. Includes references. (NAL Call No.: DNAL QL750.A6).

0020

It's a swine of a system.
Petersfield Hampshire : Compassion in World Farming. Agscience : news & comments on agriculture and the environment. Mar 1986. (82). p. 3-5. ill. (NAL Call No.: DNAL HV4804.A3A4).

0021

On-farm animal welfare law in Europe--using the law.
Jackson, W.T. Amsterdam : Elsevier Science Publishers, B.V. Applied animal behaviour science. Paper presented at the "Symposium on Animal Bio-ethics and Applied Ethology," August 1987, Montreal, Canada. July 1988. v. 20 (1/2). p. 165-173. Includes references. (NAL Call No.: DNAL QL750.A6).

0022

The Pit Bull Terrier: should be controlled by law?.
Hoffard, W.H. Tucson, Az. : KBR Publications. Community animal control. Mar/Apr 1984. v. 3 (2). p. 8-10, 20-21. ill. Includes references. (NAL Call No.: DNAL HV4764.C62).

0023

Priorities in the cage size and flooring preferences of domestic hens (Assessment of welfare, regulations governing animal housing).
Dawkins, M. Harlow, Essex, Eng., Longman. British poultry science. May 1981. v. 22 (3). p. 255-263. Bibliography p. 262-263. (NAL Call No.: 47.8 B77).

0024

Prostaglandin F2-alpha induced nest building behavior in the non-pregnant sow, and some welfare considerations (Questioned justification of the drug in swine husbandry, unpleasant acute effects of the drug, suitability of the drug to induce farrowing).
Blackshaw, J.K. Washington : Institute for the Study of Animal Problems. International journal for the study of animal problems. Oct/Dec 1983. v. 4 (4). p. 299-304. Includes references. (NAL Call No.: HV4701.I49).

0025

Rulemaking process on sored horses enlightening for this farrier.
Luikart, R. Maynard, Mass. : Laux Company. American farriers' journal. Sept/Oct 1988. v. 14 (5). p. 8-9. (NAL Call No.: DNAL SF907.A5).

0026

Slaughter of red meat animals.
Petersfield Hampshire : Compassion in World Farming. Agscience : news & comments on agriculture and the environment. Sept 1986. (85). p. 3-4. ill. (NAL Call No.: DNAL HV4804.A3A4).

0027

UK Agriculture Committee welfare recommendations.
Washington, D.C. : Institute for the Study of Animal Problems. International journal for the study of animal problems. Nov/Dec 1981. v. 2 (6). p. 338-339. (NAL Call No.: DNAL HV4701.I49).

0028

The use of ethological welfare indicators in practical control procedures (Animal protection laws, West Germany).
Zeeb, K. CTVSD. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1983. Paper presented at the Seminar on Indicators Relevant to Farm Animal Welfare, Mariensee, 9-10 November 1982. v. 23. p. 233-242. ill. Includes references. (NAL Call No.: SF600.C82).

(LEGISLATION)

0029

The welfare during transport of broilers, old hens and replacement pullets.

Swarbrick, D. London : BVA Animal Welfare Foundation, 1986? . The proceedings of the Animal Welfare Foundation's Third Symposium : entitled The welfare of animals in transit, held on 19 November 1986 / edited by T.E. Gibson ; assist editor, D.A. Paterson ; secretary, Gill McConville. p. 82-97. Includes references. (NAL Call No.: DNAL HV4704.A54 1986).

0030

Welfare problems in calf transportation.

Ewbank, R. London : BVA Animal Welfare Foundation, 1986? . The proceedings of the Animal Welfare Foundation's Third Symposium entitled The welfare of animals in transit, held on 19 November 1986 / edited by T.E. Gibson ; assist editor, D.A. Paterson ; secretary, Gill McConville. p. 51-59. ill., maps. Includes references. (NAL Call No.: DNAL HV4704.A54 1986).

0031

The problem of welfare in poultry rearing (Laws on animal welfare in Italy). ITALIAN.

Samoggia, G. Bologna, Edagricole. Informatore zootechnico. Dec 31, 1979. v. 26 (24). p. 20-22. ill. (NAL Call No.: 49 IN3).

ECONOMICS OF AGRIC. PRODUCTION

0032

**Economic considerations in evaluating
alternative pig production technologies.**

Griffith, G.R. Sydney : The Division. Commodity
bulletin - Dept. of Agriculture New South
Wales, Div. of Marketing and Economic Services.
1984. v. 13 (4). p. 1-7. Includes references.
(NAL Call No.: DNAL HD2156.A1N6).

FARM ORGANIZATION AND MANAGEMENT

0033

Alternative housing systems for veal calves, their effect on welfare and performance and their economic feasibility (Costs, disease control, England). Steenkamer, N.CTVSD. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1982. v. 19. p. 226-234. (NAL Call No.: SF600.C82).

0034

Control of large-scale dairy units from ethological view. Czakó, J. Tokyo, Japan : Japanese Society of Zootecnical Science, 1983. New strategies for improving animal production for human welfare : proceedings / the Fifth World Conference on Animal Production, August 14-19, 1983. v. 1 p. 192-196. Includes references. (NAL Call No.: DNAL SF5.W6 1983).

0035

A Cost comparison of commercial egg production systems and the effects of increased cage space allowances on the costs of commercial egg production / ADAS Farm Animal Welfare Group. - . (London) Ministry of Agriculture, Fisheries and Food 1980. 33 p. ; 30 cm. Bibliography: p. 29. (NAL Call No.: HD9284.G7C6).

0036

Cow-calf relationships: the effect of management systems (Behavior). Le Neindre, P.CTVSD. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1982. v. 19. p. 24-35. ill. 11 ref. (NAL Call No.: SF600.C82).

0037

Farm animal welfare: some economic considerations (Production problems, costs). Turner, F. Strak, J. Washington, D.C., Institute for the Study of Animal Problems. International journal for the study of animal problems. Jan/Feb 1981. v. 2 (1). p. 15-18. (NAL Call No.: HV4701.I49).

0038

Open front piggeries with and without straw (Housing systems for fattening pigs, economics, Netherlands). Koornmans, P.CTVSD. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1981. Paper presented at the Seminar in the EEC Programme of Coordination of Research on Animal Welfare, Brussels, November 25-26, 1980. v. 11. p. 171-181. (NAL Call No.: SF600.C82).

0039

Performance, behavior, plasma corticosterone, and economic returns of laying hens in several management alternatives. POSCAL. Koelkebeck, K.W. Cain, J.R. Champaign, Ill. : Poultry Science Association. Poultry science. Literature review. Nov 1984. v. 63 (11). p. 2123-2131. ill. Includes references. (NAL Call No.: DNAL 47.8 AM33P).

0040

The poultry farmer and animal welfare. Thomann, W. Amsterdam, Elsevier. Animal regulation studies. Oct 1980. v. 3 (1/2). p. 83-87. 5 ref. (NAL Call No.: HV4701.A52).

0041

Stand by for an outcry against farm 'cruelty'. NZJAA. Moffat, J. Auckland : Deslandes Ltd. New Zealand journal of agriculture. Dec 1985. v. 150 (11). p. 10-11. (NAL Call No.: DNAL 23 N48J).

0042

Effects on the private farmer of introducing more humane pig-rearing methods. German. BERLA. Maier, P. Hamburg, W. Ger. : Paul Parey. Berichte über Landwirtschaft. Sept 1984. v. 62 (3). p. 329-340. Includes 31 references. (NAL Call No.: DNAL 18 G31).

0043

Welfare-improving housing systems for weaned piglets (Costs, health, humane treatment, Netherlands). Dutch. Bure, R.G.BDWKA. Den Haag : Ministerie van Landbouw en Visserij. Bedrijfsontwikkeling. Jan 1983. v. 14 (1). p. 36-38. ill. (NAL Call No.: S11.B43).

RURAL SOCIOLOGY

0044

The behaviour of the pigstockman and its influence on pig performance and behaviour--a review.

Seabrook, M.F. Wallingford : Commonwealth Agricultural Bureaux. Pig news and information. Literature review. Dec 1988. v. 9 (4). p. 403-406. Includes references. (NAL Call No.: DNAL SF391.P55).

0045

Value orientations and farmer behaviour--an exploratory study (Wheat-sheep zone of Western Australia).

Kerridge, K.W. Canberra, Bureau of Agricultural Economics, Australia. Quarterly review of agricultural economics. Jan 1978. v. 31 (1). p. 61-72. illl. Includes bibliography. (NAL Call No.: 281.9 AU73).

DISTRIBUTION AND MARKETING

0046

The animal welfare debate and some economic implications for the Australian pig industry a review /G.R. Griffith, S.P.M. Smith, D.M.N. Burgess. --.
Griffith, G. R. New South Wales : Department of Agriculture, Division of Marketing and Economic Services, 1985. "March 1985.". iv, 42 p. ; 30 cm. --. Bibliography: p. 39-42. (NAL Call No.: DNAL HD9018.A8M4 no.46).

0047

Behavior and weight loss of feeder calves in a railcar modified for feeding and watering in transit.
Friend, T.H. Irwin, M.R.; Sharp, A.J.; Ashby, B.H.; Thompson, G.B.; Bailey, W.A. Washington, D.C., Institute for the Study of Animal Problems. International journal for the study of animal problems. May/June 1981. v. 2 (3). p. 129-137. ill. 13 ref. (NAL Call No.: HV4701.I49).

0048

Cattle behavior and cattle handling.
Grandin, T. Stillwater, Okla. : The Association. Proceedings ... annual convention - American Association of Bovine Practitioners. Meeting held on November 18-21, 1986, in Louisville, Kentucky. Apr 1987. (19th). p. 60-64. ill. Includes references. (NAL Call No.: DNAL SF961.A5).

0049

Code of accepted farming practices for the welfare of farm animals during transportation (Australia).
Melbourne : The Department. Agnote - Melbourne. Dept. of Agriculture. Dec 1982. Dec 1982. (2028/82). 4 p. (NAL Call No.: S3.A36).

0050

The effect of road transportation on the blood constituents and behaviour of calves. I. Six months old.
Kent, J.E. BVJOA. Ewbank, R. London : Bailliere Tindall. British veterinary journal. May/June 1983. v. 139 (3). p. 228-235. ill. Includes references. (NAL Call No.: 41.8 V643).

0051

The effect of road transportation on the blood constituents and behaviour of calves. II. One to three weeks old.
BVJOA. Kent, J.E. Ewbank, R. London : Bailliere Tindall. British veterinary journal. Mar/Apr 1986. v. 142 (2). p. 131-140. Includes references. (NAL Call No.: DNAL 41.8 V643).

0052

Feeding behaviour of Merino wether sheep under conditions similar to those used in assembly for live export.
McDonald, C.L. Sydney : Pergamon Press. Proceedings of the Australian Society of Animal Production. 1986. v. 16. p. 39-41. (NAL Call No.: DNAL 49.9 AU72).

0053

First European Symposium on Poultry Welfare : report of proceedings, (June 9-12, 1981). -.
Denmark W.P.S.A., Danish Branch 1981. At head of title: Danish Branch of W.P.S.A. 240 p. : ill., ports ; 24 cm. Includes bibliographies. (NAL Call No.: HD9437.E9 1981).

0054

Grazing animal transport and handling--cumulative husbandry in the export of livestock.
Meischke, H.R.C. Brennan, R.G. Indooroopilly, QLD : Australian Veterinary Association (Queensland Division), 1985 . Grazing Animal Welfare Symposium : proceedings of a symposium held at the Bardon Professional Development Centre, Brisbane, on April 26th and 27th, 1985 / editors: Brian L. Moore and Peter J. Chenoweth . p. 137-144. Includes references. (NAL Call No.: DNAL SF85.4.A9G72 1985).

0055

Health and humane care of animals (Shipping and transportation of U.S. livestock overseas, inspection and quarantine, mostly sheep).
Waters, H. Mitchell, D.; Prichard, W.; Murray, G.; Senda, E.; Roscoe, L.; Bailey, W. (s.l. : s.n., 1982). Proceedings of the first Livestock by Ocean conference : June 23 & 24, 1982, Portland, Oregon / Conference cosponsors U.S. Dept. of Agriculture, Internat'l Transportation Serv. Br., Office of Transportation ... (et al.). p. 61a-87. ill., maps. (NAL Call No.: HD9416.L5 1982).

0056

Loading ramps and ground handling systems for swine.
Grandin, T. Fort Washington, Md. : The Animal Air Transportation Association. Proceedings of the ... International Conference of the Animal Air Transportation Association. Oct 26/29, 1982. (8th). p. 56-59. ill. Includes references. (NAL Call No.: DNAL TL720.7.A5).

(DISTRIBUTION AND MARKETING)

0057

Long-distance transport of pregnant heifers by truck.
Lambooy, E. Hulsegge, B. Amsterdam : Elsevier Science Publishers, B.V. Applied animal behaviour science. Aug 1988. v. 20 (3/4). p. 249-258. Includes references. (NAL Call No.: DNAL QL750.A6).

0058

Markets and calves--the inspecting veterinary surgeon's view.
Blowey, R.W. Cheshire : The Association. British Cattle Veterinary Association proceedings. 1983/1984. p. 225-228. (NAL Call No.: DNAL SF961.B71).

0059

Minimum spatial requirements for individual farm animals during transportation.
Fraser, A.F. Fort Washington, Md. : The Animal Air Transportation Association. Proceedings of the ... International Conference of the Animal Air Transportation Association. Apr 28/May 1, 1986. (12th). p. 61-62. (NAL Call No.: DNAL TL720.7.A5).

0060

New Zealand lifts long-standing ban on death ships..
Washington, D.C. : The Institute. The Animal Welfare Institute quarterly. Summer 1986. v. 35 (2). p. 4. ill. (NAL Call No.: DNAL HV4761.A5).

0061

Physiological parameters with relevance to calf welfare (Environment, transportation).
Eichinger, H.M. CTVSD. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1982. v. 19. p. 79-82. ill. 4 ref. (NAL Call No.: SF600.C82).

0062

Preparation and handling of sheep before and during ship transportation.
Grandin, T. Fort Washington, Md. : The Animal Air Transportation Association. Proceedings of the ... International Conference of the Animal Air Transportation Association. Apr 24/26, 1984. (10th). p. 116-126. ill. Includes references. (NAL Call No.: DNAL TL720.7.A5).

0063

The reaction of young bulls to short-haul road transport.
Kenny, F.J. Tarrant, P.V. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. June 1987. v. 17 (3/4). p. 209-227. Includes references. (NAL Call No.: DNAL QL750.A6).

0064

Reducing equine hauling stress.
Cregier, S.E. Darmstadt : Kuratorium fur Technik und Bauwesen in der Landwirtschaft, 1984? . Proceedings of the International Congress on Applied Ethology in Farm Animals, Kiel, 1984 / edited by J. Unshelm, G. van Putten and K. Zeeb ; sponsored by the Federal Ministry of Food, Agriculture and Forestry. p. 175-178. ill. Includes references. (NAL Call No.: DNAL SF756.7.I5 1984).

0065

Reducing stress during transportation of farm animals.
King, G. Davie, Fla. : The Association. 1978 Animal air transportation, a global industry : proceedings of the fourth annual International Meeting, Animal Air Transportation Association, November 6-9, 1978 Toronto, Ontario, Canada. / edited by A. Ann McWilliam. p. 38-41. (NAL Call No.: DNAL TL720.7.A5 1978).

0066

Suffering of millions of sheep on floating death ships from Australia and New Zealand continues; protests needed for ban on shipments.
Clarks Summit, Pa. : The Society. International Society for Animal Rights report. Sept 1986. p. 1. ill. (NAL Call No.: DNAL HV4701.I57).

0067

A summary of selected papers from the 1980 South Pacific Poultry Science Convention (Behavior, egg quality, poultry meat marketing).

Macindoe, R. Sydney, The Department. Poultry notes - New South Wales, Dept. of Agriculture. Jan 1981. Jan 1981. p. 3-8. (NAL Call No.: 47.9 N472).

0068

A trade and welfare analysis of UK (United Kingdom) sheepmeat exports within the European community.
Crabtree, J.R. JAGEA. Aberystwyth : Agricultural Economics Society. Journal of agricultural economics. May 1983. v. 34 (2). p. 115-125.

(DISTRIBUTION AND MARKETING)

111. Includes references. (NAL Call No.: 281.9 AG8). No.: DNAL HV4704.A54 1986).

0069

Transport of animals intended for breeding production and slaughter (Calves, physiology, behavior).

Stephens, D.B. CTVSD. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1982. v. 18. p. 187-206.

111. 2 p. ref. (NAL Call No.: SF600.C82).

0074

Welfare problems relevant to the transport of sheep.

Lewis, C.J. London : BVA Animal Welfare Foundation, 1986? . The proceedings of the Animal Welfare Foundation's Third Symposium : entitled The welfare of animals in transit, held on 19 November 1986 / edited by T.E. Gibson ; assist editor, D.A. Paterson ; secretary, Gill McConville. p. 60-64. (NAL Call No.: DNAL HV4704.A54 1986).

0070

The welfare during transport of broilers, old hens and replacement pullets.

Swarbrick, O. London : BVA Animal Welfare Foundation, 1986? . The proceedings of the Animal Welfare Foundation's Third Symposium : entitled The welfare of animals in transit, held on 19 November 1986 / edited by T.E. Gibson ; assist editor, D.A. Paterson ; secretary, Gill McConville. p. 82-97. Includes references. (NAL Call No.: DNAL HV4704.A54 1986).

0071

The welfare of pigs in transit.

Bateson, A. London : BVA Animal Welfare Foundation, 1986? . The proceedings of the Animal Welfare Foundation's Third Symposium : entitled The welfare of animals in transit, held on 19 November 1986 / edited by T.E. Gibson ; assist editor, D.A. Paterson ; secretary, Gill McConville. p. 65-68. Includes references. (NAL Call No.: DNAL HV4704.A54 1986).

0072

Welfare problems in calf transportation.

Ewbank, R. London : BVA Animal Welfare Foundation, 1986? . The proceedings of the Animal Welfare Foundation's Third Symposium : entitled The welfare of animals in transit, held on 19 November 1986 / edited by T.E. Gibson ; assist editor, D.A. Paterson ; secretary, Gill McConville. p. 51-59. ill., maps. Includes references. (NAL Call No.: DNAL HV4704.A54 1986).

0073

Welfare problems relevant to the transport of horses.

Baskerville, R.E. London : BVA Animal Welfare Foundation, 1986? . The proceedings of the Animal Welfare Foundation's Third Symposium : entitled The welfare of animals in transit, held on 19 November 1986 / edited by T.E. Gibson ; assist editor, D.A. Paterson ; secretary, Gill McConville. p. 69-73. (NAL Call

GRADING, STANDARDS, LABELLING

0075

**Marketing losses during the preslaughter
handling of pigs.**

UAABB. Warris, P.D. Lister, D. Edmonton : The Faculty. Agriculture & forestry bulletin - Alberta University. Faculty of Extension. June 15, 1984. p. 10-12. ill. (NAL Call No.: DNAL 101 AL1A).

CONSUMER ECONOMICS

0076

Buying behavior of the consumer in the decision
between eggs produced on the floor or in cages.

German.

Haris, J. Gschwindt-Ensinger, B. Stuttgart, W.

Ger. : Eugen Ulmer. Archiv fur Geflugelkunde =

European poultry science = Revue de science

avicole europeenne. Oct 1982. v. 46 (5). p.

210-217. Includes references. (NAL Call No.:

47.8 AR2).

PLANT PRODUCTION - GENERAL

0077

Grazing behaviour of sheep on hill slopes.
Venkateswarlu, K. Singh, G. Calcutta. Food
farming and agriculture. Aug 1978. v. 10 (2).
p. 65-68. ill. 2 ref. (NAL Call No.: S19.F63).

PLANT PRODUCTION - FIELD CROPS

0078

Some effects of sward conditions on grazing behaviour and intake by sheep.
NASSD. Penning, P.D. New York, N.Y. : Plenum Press. NATO advanced science institutes series : Series A : Life sciences. In the series analytic: Grazing research at northern latitudes / edited by O. Gudmundsson. Paper presented at a Workshop, August 5-10, 1985, Hvannayri, Iceland. 1986. v. 108. p. 219-226. Includes references. (NAL Call No.: DNAL QH301.N32).

PLANT PRODUCTION - RANGE

0079

An aspect of feeding behavior and its importance to grazing systems (Sheep). Gluesing, E.A. Balph, D.F. Denver, Society for Range Management. Journal of range management. Nov 1980. v. 33 (6). p. 426-427. 9 ref. (NAL Call No.: 60.18 J82).

0080

Grazing behaviour of dry cows and their preference of different plant species in a protected grassland at early fruiting stages in Chakia Forest, Varanasi (India). Pandey, A.N. New Delhi, The Academy. Proceedings of the Indian National Science Academy. Part B. Biological sciences. 1980. v. 46 (4). p. 495-505. 6 ref. (NAL Call No.: 513 N212 PT.B).

0081

Grazing behaviour of merinos on an undeveloped semi-arid tussock grassland block (Sheep, *Festuca novae-zelandiae*). Scott, D. Sutherland, B.L. Wellington, Department of Scientific and Industrial Research. New Zealand journal of experimental agriculture. 1981. v. 9 (1). p. 1-9. ill. 20 ref. (NAL Call No.: S542.A1N45).

0082

The grazing behaviour of sheep (*Ovis aries*) on a high-country summer range in Canterbury, New Zealand. Harris, P.S. O'Connor, K.F. Christchurch, New Zealand Ecological Society. New Zealand journal of ecology. 1980. v. 3. p. 85-96. map. 22 ref. (NAL Call No.: QH540.N43).

0083

Herbivore diet in a semi-arid *Eucalyptus populnea* woodland. 1. Merino sheep. AAAHA. Harrington, G.N. Melbourne : Commonwealth Scientific and Industrial Research Organization. Australian journal of agricultural research. 1986. v. 26 (4). p. 413-421. Includes references. (NAL Call No.: DNAL 23 AU792).

0084

Influence of structure and composition of ryegrass and prairie grass-white clover swards on the grazed horizon and diet harvested by sheep. GSFC. L'Huillier, P.J. Poppi, D.P.; Fraser, T.J. Oxford : Blackwell Scientific Publications. Grass and forage science. Sept 1986. v. 41 (3). p. 259-267. Includes references. (NAL Call No.: DNAL 60.19 B773).

0085

Jornada Experimental Range: we're still learning. AGREAA. Senft, D. Washington, D.C. : The Administration. Agricultural research - U.S. Department of Agriculture, Agricultural Research Service. June/July 1986. v. 34 (6). p. 6-9. ill. (NAL Call No.: DNAL 1.98 AG84).

0086

Pine needle consumption and bark stripping by sheep grazing annual pastures in young stands of widely spaced *Pinus radiata* and *Pinus pinaster*. Anderson, G.W. Hawke, M.; Moore, R.W. The Hague : Martinus Nijhoff/W. Junk. Agroforestry systems. 1985. v. 3 (1). p. 37-45. ill. Includes references. (NAL Call No.: DNAL SD387.M8A3).

0087

Seasonal diets of camels, cattle, sheep, and goats in a common range in eastern Africa. JRMGA. Migongo-Bake, W. Hansen, R.M. Denver, Colo. : Society for Range Management. Journal of range management. Jan 1987. v. 40 (1). p. 76-79. Includes references. (NAL Call No.: DNAL 60.18 J82).

0088

Selection by grazing sheep of pasture plants at low herbage availability and responses of the plants to grazing. AJAEAA. Broom, D.M. Arnold, G.W. Melbourne : Commonwealth Scientific and Industrial Research Organization. Australian journal of agricultural research. 1986. v. 37 (5). p. 527-538. Includes references. (NAL Call No.: DNAL 23 AU783).

0089

Some effects of pasture management on the grazing behaviour of sheep. Penning, P.D. Darmstadt : Kuratorium fur Technik und Bauwesen in der Landwirtschaft, 1984? . Proceedings of the International Congress on Applied Ethology in Farm Animals, Kiel, 1984 / edited by J. Unshelm, G. van Putten and K. Zeeb ; sponsored by the Federal Ministry of Food, Agriculture and Forestry. p. 236-238. Includes references. (NAL Call No.: DNAL SF756.7.I5 1984).

0090

**Stocking rate and the ecosystem: some
interrelationships of pasture availability,
grazing behaviour and productivity of Merino
sheep on sown annual pasture in south
Australia.**

Carter, E.D. Buenos Aires, Luis S. Verde y
Angel Fernandez Editores. Conferencia Mundial
de Produccion Animal = World Conference on
Animal Production. 1978 (pub. 1980). v. 2. p.
482-490. ill. Includes 8 ref. (NAL Call No.:
SF5.W6).

PLANT ECOLOGY

0091

Comparative studies of diet selection by sheep and cattle: blanket bog and heather moor.
JECOA. Grant, S.A. Torvell, L.; Smith, H.K.;
Suckling, D.E.; Forbes, T.D.A.; Hodgson, J.
Oxford : Blackwell Scientific. Journal of
ecology. Dec 1987. v. 75 (4). p. 947-960.
Includes references. (NAL Call No.: DNAL 450
J829).

0092

Use of habitats by free-grazing sheep.
El Aich, A. Rittenhouse, L.R. Amsterdam :
Elsevier Science Publishers, B.V. Applied
animal behaviour science. Nov 1988. v. 21 (3).
p. 223-231. maps. Includes references. (NAL
Call No.: DNAL QL750.A6).

PLANT PHYSIOLOGY AND BIOCHEMISTRY

0093

Nutritional evaluation of south-west Queensland pastures. I. The botanical and nutrient content of diets selected by sheep grazing on Mitchell grass and mulga/grassland associations.

AJAEA. McMeniman, N.P. Beale, I.F.; Murphy, G.M. Melbourne : Commonwealth Scientific and Industrial Research Organization. Australian journal of agricultural research. 1986. v. 37 (3). p. 289-302. Includes references. (NAL Call No.: DNAL 23 AU783).

PESTICIDES - GENERAL

0094

Changes in mallard hen and brood behaviors in response to methyl parathion-induced illness of ducklings.

ETOCDK. Fairbrother, A. Meyers, S.M.; Bennett, R.S. Elmsford, N.Y. : Pergamon Press. Environmental toxicology and chemistry. 1988. v. 7 (6). p. 499-503. Includes references. (NAL Call No.: DNAL QH545.A1E58).

0095

Effect of supplemental corticosterone and social stress on organophosphorus-induced delayed neuropathy in chickens.

TOLED5. Ehrich, M. Gross, W.B. Amsterdam : Elsevier Science Publishers. Toxicology letters. Apr 1986. v. 31 (1). p. 9-13. Includes 15 references. (NAL Call No.: DNAL RA1190.T62).

SOIL FERTILITY - FERTILIZERS

0096

Grazing behaviour by heifers on pastures
fertilized with different fertilizer categories
(Norway).

Gjestang, K.E. Tjernshaugen, O.; Tveitnes, S.
Amsterdam : Elsevier. Applied animal behaviour
science. Mar 1984. v. 12 (1/2). p. 33-41. ill.
Includes references. (NAL Call No.: QL750.A6).

SOIL EROSION AND RECLAMATION

0097

Dust elimination from outdoor feedlots for sheep.

JAWAA. Carter, D.J. South Perth : Department of Agriculture, Western Australia. Journal of agriculture, Western Australia. 1987. v. 28 (1). p. 20-23. ill. (NAL Call No.: DNAL 23 W52J).

FORESTRY RELATED

0098

Nutritional evaluation of south-west Queensland pastures. I. The botanical and nutrient content of diets selected by sheep grazing on Mitchell grass and mulga/grassland associations.

AJAEA. McMeniman, N.P. Beale, I.F.; Murphy, G.M. Melbourne : Commonwealth Scientific and Industrial Research Organization. Australian journal of agricultural research. 1986. v. 37 (3). p. 289-302. Includes references. (NAL Call No.: DNAL 23 AU783).

ANIMAL SCIENCE

0099

The behaviour and management of high yielding dairy cows : a paper / presented by J. L. Albright ; with introduction by P. N. Wilson.

-. Albright, J. L. (Jack L.). Wilson, P. N. (Peter N.). (s.l. s.n.) 1978. Presented at the BOCM Silcock Dairy Conference, Heathrow, Jan. 30., 1978. 43 leaves in various foliations ; 28 cm. Bibliography: leaves (1)-5. (NAL Call No.: SF208.A4).

0100

Farm animal behaviour : an introduction to behaviour in the common farm species / Andrew F. Fraser. -.

Fraser, Andrew Ferguson. London Balliere Tindall 1980. Includes index. viii, 291 p. : ill. ; 21 cm. Bibliography: p. (265)-274. (NAL Call No.: QL785.5.07F7 1980).

0101

Indicators relevant to farm animal welfare : a seminar in the CEC Programme of Coordination of Research on Animal Welfare, organized by Dr. D. Smidt, and held in Mariensee, 9-10 November 1982 / edited by D. Smidt. -.

Smidt, D.; (Diedrich) & Farm animal welfare. Boston M. Nijhoff for the Commission of the European Communities Hingham, Mass.

Distributors for the U.S. and Canada, Kluwer Boston 1983. "Sponsored by the Commission of the European Communities, Directorate-General for Agriculture, Coordination of Agricultural Research.". vii, 251 p. : ill. ; 25 cm. --. Includes bibliographies. (NAL Call No.: SF600.C82 v.23).

0102

Methods of design control (Livestock industry).

Moss, R. CTVSD. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1983. Paper presented at the Seminar on Farm Animal Housing and Welfare, Aberdeen, July 28-30, 1982. v. 24. p. 318-329. ill. (NAL Call No.: SF600.C82).

0103

Pigeons.

Skinner, John L. 1977. Publication begins with opportunities for learning and doing in the pigeon project and includes history, behavior, all aspects of feeding and management, bonding, record keeping, training and grooming for show. Document available from: 4-H Youth Development, Lowell Hall, 610 Langdon Street, Madison, Wisconsin 53706. Publication intended for: Member, Elementary, Junior and Senior Levels. Leader's guide available. Learning experience: Knowledge, skills, practices. 15 p. : ill. (NAL Call No.: S533.F66W6). (NAL Call No.: 4-H 135).

0104

Requirements for the protection of pigs (Animal welfare). GERMAN.

Muller, J. Basel, Birkhauser. Tierhaltung. 1979. v. 8. p. 123-194. ill. Bibliography p. 184-194. (NAL Call No.: SF105.T5).

ENTOMOLOGY RELATED

0105

Food selection by chicks: effects of colour, density, and frequency of food types (Behavior).
Willis, A.J. McEwan, J.W.T.; Greenwood, J.J.D.; Elton, R.A. London, Bailliere Tindall. Animal behaviour. 1979. v. 25 (3/4). p. 874-879. ill. 15 ref. (NAL Call No.: 410 B77).

0106

Learning and behavioural ecology.
Shettleworth, S.J. Sunderland, Mass. : Sinauer Associates, c1984. Behavioural ecology : an evolutionary approach / edited by J.R. Krebs and N.B. Davies. p. 170-194. ill. (NAL Call No.: DNAL QL751.B345 1984).

0107

Response of pheasant chicks to adult lady beetles (Coleoptera: Coccinellidae) (*Phasianus colchicus*, *Hippodamia convergens*, *Coleomegilla maculata*, avoidance behavior).
Whitmore, R.W. Pruess, K.P. Lawrence : The Society. Journal of the Kansas Entomological Society. July 1982. v. 55 (3). p. 474-476. 8 ref. (NAL Call No.: 420 K13).

ANIMAL PRODUCTION

0108

The ability of the pig to use a nose valve drinking system (Behavior, equipment, learning, liveweight gains, Sweden). Olsson, O. Stockholm : Scandinavian Association of Agricultural Scientists. Acta agriculturae scandinavica. 1983. v. 33 (2). p. 161-169. ill. Includes references. (NAL Call No.: 11 AC82).

0109

Accomodating bull beef and the codes. Dodman, N.W. Cheshire : The Association. British Cattle Veterinary Association proceedings. 1983/1984. p. 213-216. (NAL Call No.: DNAL SF961.B71).

0110

Adoption behaviour of poultry farmers (Management practices in India). Subramanian, R. Menon, K.R. Coimbatore. Madras agricultural journal. Apr 1978. v. 65 (4). p. 233-237. ill. 3 ref. (NAL Call No.: 22 M262).

0111

Animal handling. Grandin, T. Philadelphia, Pa. : W.B. Saunders Company. The Veterinary clinic of North America : food animal practice. In the series analytic: Farm animal behavior / edited by E.O. Price.~ Literature review. July 1987. v. 3 (2). p. 323-338. ill. Includes references. (NAL Call No.: DNAL SF601.V535).

0112

Animal handling. Grandin, T. Davie, Fla. : The Association, 1978 . Animal air transportation, a global industry : proceedings of the fourth annual International Meeting, Animal Air Transportation Association, November 6-9, 1978 Toronto, Ontario, Canada. / edited by A. Ann McWilliam. p. 77-83. ill. Includes references. (NAL Call No.: DNAL TL720.7.A5 1978).

0113

Animal rights--animal welfare: a scientist's assessment. Duncan, I.J.H. Champaign, Ill., Poultry Science Association. Poultry science. Mar 1981. Presented at the 69th Poultry Science Association Meeting, Purdue University, 1980 ~Literature review. v. 60 (3). p. 489-499. Bibliography p. 497-499. (NAL Call No.: 47.8 AM33P).

0114

Animal welfare--can we find a compromise? (Poultry, cage versus floor rearing systems). Welby, E. Sutton, Surrey, Eng., Agricultural Press Ltd. Poultry industry. Apr 1980. Apr 1980. p. 21. (NAL Call No.: 47.8 P8644).

0115

The animal welfare debate and some economic implications for the Australian pig industry a review /G.R. Griffith, S.P.M. Smith, D.M.N. Burgess. --. Griffith, G. R. New South Wales : Department of Agriculture, Division of Marketing and Economic Services, 1985. "March 1985.". iv, 42 p. ; 30 cm. --. Bibliography: p. 39-42. (NAL Call No.: DNAL HD9018.A8M4 no.46).

0116

Animal welfare legislation (German Animal Protection Act). Rojahn, A. CTVSD. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1983. Paper presented at the Seminar on Indicators Relevant to Farm Animal Welfare, Mariensee, 9-10 November 1982. v. 23. p. 3-12. (NAL Call No.: SF600.C82).

0117

An assessment of carbon dioxide stunning in pigs. VETRAX. Gregory, N.G. Moss, B.W.; Leeson, R.H. London : British Veterinary Association. The Veterinary record. Nov 28, 1987. v. 121 (22). p. 517-518. Includes references. (NAL Call No.: DNAL 41.8 V641).

0118

The attainment of humane housing for farm livestock. Wood-Gush, D.G.M. Boston : Martinus Nijhoff Publishers. Advances in animal welfare science. 1985. p. 47-55. Includes references. (NAL Call No.: DNAL HV4701.A34).

0119

The attainment of humane housing for farm livestock. Wood-Gush, D.G.M. Boston : Martinus Nijhoff Publishers. Advances in animal welfare science. 1985 c1986. p. 47-55. ill. Includes references. (NAL Call No.: DNAL HV4701.A34).

(ANIMAL PRODUCTION)

0120

Basic donkey care.

Mariette, K.R. Colorado Springs : The Journal. Western horseman. Oct 1985. p. 77-78. ill. (NAL Call No.: DNAL 42.8 W522).

0121

Behavior and management of high yielding dairy cows.

Albright, J.L. Clovis, Calif., Agriservices Foundation. Dairy science handbook. 1981. v. 14. p. 343-350. ill. (NAL Call No.: SF221.D335).

0122

Behavior and weight loss of feeder calves in a railcar modified for feeding and watering in transit.

Friend, T.H. Irwin, M.R.; Sharp, A.J.; Ashby, B.H.; Thompson, G.B.; Bailey, W.A. Washington, D.C., Institute for the Study of Animal Problems. International journal for the study of animal problems. May/June 1981. v. 2 (3). p. 129-137. ill. 13 ref. (NAL Call No.: HV4701.I49).

0123

Behavior of dairy calves reared in hutches as affected by temperature.

TAAEA. Brunsvoold, R.E. Cramer, C.O.; Larsen, H.J. St. Joseph, Mich. : The Society. Transactions of the ASAE - American Society of Agricultural Engineers. July/Aug 1985. v. 28 (4). p. 1265-1268. Includes references. (NAL Call No.: DNAL 290.9 AM32T).

0124

Behaviour and abdominal damage in individual veal calves.

Wiepkema, P.R. Hellemond, K.K. van; Roessingh, P.; Romberg, H. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. Oct 1987. v. 18 (3/4). p. 257-268. ill. Includes references. (NAL Call No.: DNAL QL750.A6).

0125

Behaviour and management of free-ranging sheep and cattle in the arid zone of inland Australia.

WARVA. Squires, V.R. Rome, Italy : FAO. World animal review. 1984. (52). p. 29-33. ill. Includes references. (NAL Call No.: DNAL SF191.W6).

0126

Behaviour and welfare of veal calves in relation to husbandry systems /J.G. de Wilt.
Wilt, J. G. de. Wageningen, Netherlands : Landbouwhogeschool te Wageningen, 1985? Thesis (Ph. D.)--Landbouwhogeschool te Wageningen, 1985. Summary and vita also in Dutch. 138 p. : ill. ; 24 cm. Bibliography: p. 117-122. (NAL Call No.: DNAL SF206.W5).

0127

Behaviour at parturition and lamb survival of Booroola Merino sheep.

LPSCD. Owens, J.L. Bindon, B.M.; Edey, T.N.; Piper, L.R. Amsterdam : Elsevier Science Publishers B.V. Livestock production science. Dec 1985. v. 13 (4). p. 359-372. ill. Includes references. (NAL Call No.: DNAL SF1.L5).

0128

Behaviour, genetics and animal welfare (Livestock, poultry).

Kilgour, R. Clovis, Calif., Agriservices Foundation. Sheep & goat handbook. 1981. Papers presented at The International Stockmen's School, January 12-15, 1981, San Antonio, Texas. v. 2. p. 317-323. ill. 19 ref. (NAL Call No.: SF371.S43).

0129

The behaviour of maintenance and the intensive husbandry of cattle, sheep and pigs.

Fraser, A.F. AGEND. Amsterdam : Elsevier. Agriculture ecosystems & environment. Feb 1983. v. 9 (1). p. 1-23. Includes references. (NAL Call No.: S601.A34).

0130

Broiler chicken.

Sainsbury, D.W.B. London : Bailliere Tindall, 1988. Management and welfare of farm animals. p. 221-232. ill. Includes references. (NAL Call No.: DNAL SF61.M35 1988).

0131

Bulls vs steers. II. Response to transport (Beef cattle, behavior, stress, effects of regrouping).

Tennessen, T.UAABB. Price, M.A.; Berg, R.T. Edmonton : The Faculty. Agriculture & forestry bulletin - Alberta University. Faculty of Extension. 1983. Prepared for the 62nd Annual Feeders' Day Report, June 17, 1983. 1983. (special issue). p. 26-27. Includes references. (NAL Call No.: 101 AL1A).

(ANIMAL PRODUCTION)

0132

Calf control by voice command in a Brazilian dairy (Behavior, Bos indicus, cattle management, Zebu).
Murphy, R.M. Duarte, F.A.M. Amsterdam : Elsevier. Applied animal ethology. Sept 1983. v. 11 (1). p. 7-18. ill. Includes references. (NAL Call No.: QL750.A6).

0133

Calf husbandry, health and welfare / John Webster. -.
Webster, John. Boulder, Colo. Westview Press 1984. 202 p. : ill. ; 23 cm. Includes bibliographies and index. (NAL Call No.: SF205.W4).

0134

Cardiac arrest stunning of livestock and poultry.
Grandin, T. Boston : Martinus Nijhoff Publishers. Advances in animal welfare science. Literature review. 1985 c1986. p. 1-30. Includes references. (NAL Call No.: DNAL HV4701.A34).

0135

Care of pastured horses.
Thorson, J. Colorado Springs : The Journal. Western horseman. July 1985. p. 24-26. ill. (NAL Call No.: DNAL 42.8 W522).

0136

Casualty emergency slaughter.
Thornton, D.A.K. Cheshire : The Association. British Cattle Veterinary Association proceedings. 1983/1984. p. 157-161. (NAL Call No.: DNAL SF961.B71).

0137

Characteristics of pig fattening systems involving partially slatted floors (Buildings, designs).
Smith, A.T.CTVSD. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1981. Paper presented at the Seminar in the EEC Programme of Coordination of Research on Animal Welfare, Brussels, November 25-26, 1980. v. 11. p. 152-170. ill. Includes references. (NAL Call No.: SF600.C82).

0138

Chicken-environment interactions.
Gross, W.B. Clifton, N.J. : Humana Press, c1983. Ethics and animals / edited by Harlan B. Miller and William H. Williams. p. 329-337. (NAL Call No.: DNAL HV4711.E87).

0139

Code of accepted farming practice for the welfare of pigs (Swine).
Melbourne : The Department. Agnote - Melbourne. Dept. of Agriculture. Mar 1983. Mar 1983. (2141/83). 4 p. (NAL Call No.: S3.A36).

0140

Code of accepted farming practice for the welfare of sheep (Australia).
Melbourne : The Department. Agnote - Melbourne. Dept. of Agriculture. Dec 1982. Dec 1982. (2026/82). 2 p. (NAL Call No.: S3.A36).

0141

Code of accepted farming practice for the welfare of the domestic fowl (Australia).
Melbourne : The Department. Agnote - Melbourne. Dept. of Agriculture. Dec 1982. Dec 1982. (2029/82). 4 p. (NAL Call No.: S3.A36).

0142

Common practices and problems related to artificially rearing calves: an ethological analysis.
Friend, T.H. Dellmeier, G.R. Amsterdam : Elsevier Science Publishers, B.V. Applied animal behaviour science. Paper presented at the "Symposium on Animal Bio-ethics and Applied Ethology," August 1987, Montreal, Canada. July 1988. v. 20 (1/2). p. 47-62. Includes references. (NAL Call No.: DNAL QL750.A6).

0143

Comparison of the behaviour of newborn calves housed with the dam and in the calf house.
Kovalcik, K. Kovalcikova, M.; Brestensky, V. Amsterdam, Elsevier. Applied animal ethology. Oct 1980. v. 6 (4). p. 377-380. 3 ref. (NAL Call No.: QL750.A6).

0144

A comparison of the early behaviour of intensively and extensively reared calves.
ANIPA. Kerr, S.G.C. Wood-Gush, D.G.M. Neston, South Wirral, England : British Society of Animal Production. Animal production. Oct 1987. v. 45 (pt.2). p. 181-190. Includes references.

(ANIMAL PRODUCTION)

(NAL Call No.: DNAL 49 AN55).

0145

A comparison of the effects of electroimmobilisation and, or, shearing procedures on ovine plasma concentrations of beta-endorphin/beta-lipoprotein and cortisol. RVTSA. Jephcott, E.H. McMillen, I.C.; Rushen, J.P.; Thorburn, G.D. London : British Veterinary Association. Research in veterinary science. July 1987. v. 43 (1). p. 97-100. Includes references. (NAL Call No.: DNAL 41.8 R312).

0146

Comparison of the stressfulness of harvesting broiler chickens by machine and by hand. BPOSA. Duncan, I.J.H. Skee, G.S.; Kettlewell, P.; Berry, P.L; Carlisle, A.J. Oxfordshire : Carfax Publishing Company. British poultry science. Mar 1986. v. 27 (1). p. 109-114. illl. Includes references. (NAL Call No.: DNAL 47.8 B77).

0147

A comparison of the welfare of laying hens in battery cages and in a perchery. McLean, K.A. Baxter, M.R.; Michie, W. Harlow, Essex : Longman. Research and development in agriculture. Summer 1986. v. 3 (2). p. 93-98. illl. Includes references. (NAL Call No.: DNAL S539.5.R473).

0148

Competitive feeding behavior and social status in multiple-hen cages. Craig, J.V. Ramos, N.C. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. Aug 1986. v. 16 (1). p. 69-76. Includes references. (NAL Call No.: DNAL QL750.A6).

0149

Concussive methods of pre-slaughter stunning in sheep: assessment of brain function using cortical evoked responses. RVTSA. Daly, C.C. Gregory, N.G.; Wotton, S.B.; Whittington, P.E. London : British Veterinary Association. Research in veterinary science. Nov 1986. v. 41 (3). p. 349-352. Includes references. (NAL Call No.: DNAL 41.8 R312).

0150

Concussive methods of pre-slaughter stunning in sheep: effects of captive bolt stunning in the poll position on brain function.

RVTSA. Daly, C.C. Whittington, P.E. London : British Veterinary Association. Research in veterinary science. Nov 1986. v. 41 (3). p. 353-355. Includes references. (NAL Call No.: DNAL 41.8 R312).

0151

Contribution to a concept of behavioral abnormality in farm animals under confinement. Luescher, U.A. Hurnik, J.F. Boston : Martinus Nijhoff Publishers. Advances in animal welfare science. 1986/1987. p. 67-76. Includes references. (NAL Call No.: DNAL HV4701.A34).

0152

A Cost comparison of commercial egg production systems and the effects of increased cage space allowances on the costs of commercial egg production / ADAS Farm Animal Welfare Group. - . (London) Ministry of Agriculture, Fisheries and Food 1980. 33 p. ; 30 cm. Bibliography: p. 29. (NAL Call No.: HD9284.G7C6).

0153

The definition, current knowledge and implementation of welfare for farm animals--a personal view.

Kilgour, R. Boston : Martinus Nijhoff Publishers. Advances in animal welfare science. 1985 c1986. p. 31-46. Includes references. (NAL Call No.: DNAL HV4701.A34).

0154

Differences in behaviour between sheep and cattle during slaughter.

RVTSA. Blackmore, D.K. London : British Veterinary Association. Research in veterinary science. Sept 1984. v. 37 (2). p. 223-226. Includes 10 references. (NAL Call No.: DNAL 41.8 R312).

0155

Drinking cow's milk: the most intense man-animal bond.

Schwabe, C.W. Minneapolis, Minn. : Cent to Study Human-Animal Relat and Environ, Univ of Minnesota, 1984. The Pet connection : its influence on our health and quality of life / editors, Robert K. Anderson, Benjamin L. Hart, Lynette A. Hart. Paper presented at Proceedings of "Conference on the Human-Animal Bond," June 13-14, 1983, University of Minnesota, and June 17-18, 1983, University of California-Irvine. p. 50-57. Includes references. (NAL Call No.:

(ANIMAL PRODUCTION)

DNAL SF411.5.P47).

0156

Duration of wing flapping in chickens shackled before slaughter.

VETRAX. Gregory, N.G. Bell, J.C. London : British Veterinary Association. The Veterinary record. Dec 12, 1987. v. 121 (24). p. 567-569. Includes references. (NAL Call No.: DNAL 41.8 V641).

0157

Economic considerations in evaluating alternative pig production technologies.

Griffith, G.R. Sydney : The Division. Commodity bulletin - Dept. of Agriculture New South Wales, Div. of Marketing and Economic Services. 1984. v. 13 (4). p. 1-7. Includes references. (NAL Call No.: DNAL HD2156.A1N6).

0158

Effect of cage and floor pen management on behavior, production, and physiological stress responses of laying hens.

POSCAL. Mench, J.A. Tienhoven, A. van; Marsh, J.A.; McCormick, C.C.; Cunningham, D.L.; Baker, R.C. Champaign, Ill. : Poultry Science Association. Poultry science. June 1986. v. 65 (6). p. 1058-1069. Includes references. (NAL Call No.: DNAL 47.8 AM33P).

0159

Effect of cage height and area on the behaviour of hens housed in battery cages.

BPOSA. Nicol, C.J. Oxfordshire : Carfax Publishing Company. British poultry science. June 1987. v. 28 (2). p. 327-335. Includes references. (NAL Call No.: DNAL 47.8 B77).

0160

Effect of creep partitions on teat-seeking behavior of newborn piglets.

JANSAG. Rohde Parfet, K.A. Gonyou, H.W. Champaign, Ill. : American Society of Animal Science. Journal of animal science. Sept 1988. v. 66 (9). p. 2165-2173. Includes references. (NAL Call No.: DNAL 49 J82).

0161

The effect of different rearing systems on the development of calf behaviour.

BVJOA. Webster, A.J.F. Saville, C.; Church, B.M.; GnanaSakthy, A.; Moss, R. London : Bailliere Tindall. British veterinary journal. May/June 1985. v. 141 (3). p. 249-264. Includes references. (NAL Call No.: DNAL 41.8 V643).

0162

Effect of early rearing experience on subsequent behavior and production of Holstein heifers.

JDSCAE. Arave, C.W. Mickelsen, C.H.; Walter, J.L. Champaign, Ill. : American Dairy Science Association. Journal of dairy science. Apr 1985. v. 68 (4). p. 923-929. Includes references. (NAL Call No.: DNAL 44.8 J822).

0163

Effect of electrical stunning on the electroencephalogram in chickens.

BVJOA. Gregory, N.G. Wotton, S.B. London : Bailliere Tindall. British veterinary journal. Mar/Apr 1987. v. 143 (2). p. 175-183. Includes references. (NAL Call No.: DNAL 41.8 V643).

0164

Effect of floor area and manager length on the growth and behaviour of Murrah buffalo heifers in loose housing system (Breeds).

Varma, A.K. Tripathi, V.N. Hissar, India, The University. Journal of research - Haryana Agricultural University. Dec 1980. v. 10 (4). p. 594-603. 16 ref. (NAL Call No.: S19.J68).

0165

Effect of floor area restriction upon performance, behavior and physiology of growing-finishing pigs.

JANSAG. Meunier-Salaun, M.C. Vantrimpont, M.N.; Raab, A.; Dantzer, R. Champaign, Ill. : American Society of Animal Science. Journal of animal science. May 1987. v. 64 (5). p. 1371-1377. ill. Includes references. (NAL Call No.: DNAL 49 J82).

0166

The effect of group composition on behaviour and performance of weaned pigs.

Blackshaw, J.K. Bodero, D.A.V.; Blackshaw, A.W. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. Dec 1987. v. 19 (1/2). p. 73-80. Includes references. (NAL Call No.: DNAL QL750.A6).

0167

Effect of group size on behaviour and production of egg layers at constant space per hen in deep and shallow cages.

CTVSD. Tind, E. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. Paper presented at the "Seminar on the Social Space for Domestic Animals," January 10-11, 1985, Brussels. 1985. v. 35: p. 85-98. Includes references. (NAL Call No.: DNAL SF600.C82).

(ANIMAL PRODUCTION)

0168

Effect of handling and temperature stress on the heartrate, EKG, and body temperature of chickens.

Mitchell, B.W. St. Joseph, Mich. : The Society. Paper - American Society of Agricultural Engineers (Microfiche collection). 1981. Paper presented at the 1981 Winter Meeting of the American Society of Agricultural Engineers. Available for purchase from: The American Society of Agricultural Engineers, Order Dept., 2950 Niles Road, St. Joseph, Michigan 49085. Telephone the Order Dept. at (616) 429-0300 for information and prices. 1981. (fiche no. 81-4543). 1 microfiche : ill. Includes references. (NAL Call No.: FICHE S-72).

0169

Effect of housing on open-field test behavior of gestating gilts.

Taylor, L. Friend, T.H. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. Apr 1987. v. 17 (1/2). p. 83-93. Includes references. (NAL Call No.: DNAL QL750.A6).

0170

Effect of type of floor and concentrate supplementation on physiological reactions and behaviour of growing buffalo heifers (Dirt and brick floors, India).

Grewal, S.S. HAURA. Sastry, N.S.R.; Yadav, R.S. Hissar : Directorate of Publications, Haryana Agricultural University. Journal of research - Haryana Agricultural University. Dec 1982. v. 12 (4). p. 561-565. Includes references. (NAL Call No.: S19.J68).

0171

Effects of a perch in conventional cages for laying hens.

AASCA. Tauson, R. Stockholm : Scandinavian Association of Agricultural Scientists. Acta agriculturae scandinavica. 1984. v. 34 (2). p. 193-209. ill. Includes references. (NAL Call No.: DNAL 11 AC82).

0172

The effects of air velocity and temperature on the behavior and growth of pigs.

JAERA. Sallvik, K. Walberg, K. London : The British Society for Research in Agricultural Engineering. Journal of agricultural engineering research. Dec 1984. v. 30 (4). p. 305-312. ill. Includes 5 references. (NAL Call No.: DNAL 58.8 J82).

0173

Effects of composition and density of the group on the performance, behaviour and age at puberty in swine.

Clark, J.R. Bell, R.W.; Tribble, L.F.; Lennon, A.M. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. July 1985. v. 14 (2). p. 127-135. Includes 24 references. (NAL Call No.: DNAL QL750.A6).

0174

Effects of group size and space allowance on performance and behavior of swine.

Randolph, J.H. Cromwell, G.L.; Stahly, T.S.; Kratzer, D.D. Champaign, Ill., American Society of Animal Science. Journal of animal science. Oct 1981. v. 53 (4). p. 922-927. 16 ref. (NAL Call No.: 49 J82).

0175

The effects of group size/stocking density on weanling pig performance and behavior.

Spicer, H.M. Aherne, F.X. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. Dec 1987. v. 19 (1/2). p. 89-98. Includes references. (NAL Call No.: DNAL QL750.A6).

0176

Effects of number and location of water bowls and social rank on drinking behaviour and performance of loose-housed dairy cows.

Andersson, M. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. Apr 1987. v. 17 (1/2). p. 19-31. Includes references. (NAL Call No.: DNAL QL750.A6).

0177

Effects of population size and cage area on agonistic activity and social structure of White Leghorn layers.

POSCAL. Cunningham, D.L. Champaign, Ill. : Poultry Science Association. Poultry science. Feb 1988. v. 67 (2). p. 198-204. Includes references. (NAL Call No.: DNAL 47.8 AM33P).

0178

Effects of rearing conditions on sexual performance in the ram: practical use.

Casteilla, L. Orgeur, P.; Signoret, J.P. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. Dec 1987. v. 19 (1/2). p. 111-118. ill. Includes references. (NAL Call No.: DNAL QL750.A6).

(ANIMAL PRODUCTION)

0179

Effects of social environment of welfare status and sexual behaviour of female pigs. I. Effects of group size.

Barnett, J.L. Hemsworth, P.H.; Winfield, C.G.; Hansen, C. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. Nov 1986. v. 16 (3). p. 249-257. Includes references. (NAL Call No.: DNAL QL750.A6).

0180

Effects of social environment on welfare status and sexual behaviour of female pigs. II.

Effects of space allowance.

Hemsworth, P.H. Barnett, J.L.; Hansen, C.; Winfield, C.G. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. Nov 1986. v. 16 (3). p. 259-267. Includes references. (NAL Call No.: DNAL QL750.A6).

0181

Effects of stocking density on production and social behaviour in laying hens.

CTVSD. Bessei, W. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. Paper presented at the "Seminar on the Social Space for Domestic Animals," January 10-11, 1985, Brussels. 1985. v. 35. p. 71-84. ill. Includes references. (NAL Call No.: DNAL SF600.C82).

0182

Effects of strains, breeds, laying house environment and age at flock assembly on social behavior and egg production in chickens / by Maddini Ramaiah Choudary. -.

Choudary, Maddini Ramaiah, 1939-. 1971. Thesis (Ph.D.)--Kansas State University, 1971. Photocopy of typescript. Ann Arbor: University Microfilms, 1972. vii, 111 leaves ; 21 cm. Bibliography: leaves 103-111. (NAL Call No.: DISS 72-9,756).

0183

Effects of technical features on welfare. 2. Geometry of cages floors for laying hens (Poultry, housing).

Bavassano, G.M. Denmark, W.P.S.A., Danish Branch. Proceedings ... European Symposium on Poultry Welfare. 1981. 1981. (1st). p. 75-80. ill. (NAL Call No.: HD9437.E9).

0184

Effects of technical features on welfare. 3. Temperature for egg layers in cages (Poultry, housing).

Emmans, G.C. Denmark, W.P.S.A., Danish Branch. Proceedings ... European Symposium on Poultry Welfare. 1981. 1981. (1st). p. 83-89. Includes 12 ref. (NAL Call No.: HD9437.E9).

0185

Effects of weight range at allocation on production and behaviour in fattening pig groups.

Tindsley, W.E.C. Lean, I.J. Amsterdam : Elsevier. Applied animal behaviour science. Mar 1984. v. 12 (1/2). p. 79-92. ill. Includes references. (NAL Call No.: QL750.A6).

0186

Effects of zeranol implants on behaviour, growth rate, and carcass characteristics of Friesian bulls (Reducing destructive behavior). McKenzie, J.R. NZJEA. Wellington : Department of Scientific and Industrial Research. New Zealand journal of experimental agriculture. 1983. v. 11 (3). p. 225-229. Includes references. (NAL Call No.: S542.A1N45).

0187

Effects on productivity and aggressive behavior of laying hens of solid versus wire cage partitions and bird density.

POSCAL. Cunningham, D.L. Gvaryahu, G. Champaign, Ill. : Poultry Science Association. Poultry science. Oct 1987. v. 66 (10). p. 1583-1586. Includes references. (NAL Call No.: DNAL 47.8 AM33P).

0188

Egg-production behavior of hens /Willard C. Thompson.

Thompson, Willard C. 1890-. New Brunswick, N.J. : New Jersey Agricultural Experiment Station, 1942. "Two aspects of flock egg yields that may affect economy of production in time of war-need for more eggs"--Caption. 12 p. ; ill. ; 23 cm. (NAL Call No.: DNAL 100 N465 (1) no.700).

0189

Eggs without batteries.

SPANA. Michie, W. Foston : J.G.R. Stevens, Span : progress in agriculture. 1987. v. 30 (2). p. 90-92. ill. Includes references. (NAL Call No.: DNAL 464.8 SP2).

(ANIMAL PRODUCTION)

0190

Electrical activity in the cerebral hemispheres of electrically stunned pigs (Humane slaughter).

Swatland, H.J.JANSA. Brogna, R.J.; Lutte, G.H. Champaign : American Society of Animal Science. Journal of animal science. Jan 1984. v. 58 (1). p. 68-74. ill. Includes references. (NAL Call No.: 49 J82).

0191

Electrical stunning and humane slaughter (of calves and sheep).

Blackmore, D.K. Newhook, J.C.; Petersen, G.V. Wellington, New Zealand Veterinary Association. New Zealand veterinary journal. Oct 1979. v. 27 (10). p. 224. 1 ref. (NAL Call No.: 41.8 N483).

0192

Electrical stunning of poultry in view of animal welfare and meat production (Chickens, slaughtering).

Schutt-Abraham, I. CTVSD. Wormuth, H.J.; Fessel, J. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1983. Paper presented at the Seminar on Stunning of Animals for Slaughter, Zeist, Netherlands, October 13-15, 1982. v. 25. p. 187-196. Includes references..(NAL Call No.: SF600.C82).

0193

The environment in swine housing.

Curtis, Stanley E. Teague, Howard.; Alhusen, Hanns-Dieter. & Pork industry handbook. 1981. This publication discusses how environment affects pigs, including thermal environment, disease air, and behavior. Document available from: Michigan State University, Bulletin Office, P.O. Box 231, East Lansing, MI 48824. 4 p. (NAL Call No.: Not available at NAL.).(NAL Call No.: E-1284).

0194

An equine practitioner's view of human-horse interrelationships.

Miller, R.M. Minneapolis, Minn. : Cent to Study Human-Animal Relat and Environ, Univ of Minnesota, 1984. The Pet connection : its influence on our health and quality of life / editors, Robert K. Anderson, Benjamin L. Hart, Lynette A. Hart. Paper presented at Proceedings of "Conference on the Human-Animal Bond," June 13-14, 1983, University of Minnesota, and June 17-18, 1983, University of California-Irvine. p. 44-49. (NAL Call No.: DNAL SF411.5.P47).

0195

Ethological aspects of the behavior of hens in relation to different housing systems.

Folsch, D.W. Witzenhausen : Verlagsgruppe Witzenhausen , c1986. The importance of biological agriculture in a world of diminishing resources : proc of the 5th IFOAM Int Scientific Conference at the Univ of Kassel (Germany), Aug 27-30, 1984 / H. Vogtmann, E. Boehncke, I. Fricke, eds. p. 396-403. Includes references. (NAL Call No.: DNAL S605.5.I45 1984).

0196

An examination of behavioral, immunological and productive traits in four management systems for sows and piglets.

McGlove, J.J. Blecha, F. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. Oct 1987. v. 18 (3/4). p. 269-286. Includes references. (NAL Call No.: DNAL QL750.A6).

0197

A fact of life. The ethical questions of pain and fear (Horses, welfare).

Hamilton, S. Gaithersburg, Md., Fleet Street Corporation. Equus. Nov 1980. Nov 1980. (37). p. 50-52. ill. (NAL Call No.: SF277.E6).

0198

Family pens as a species-specific system for keeping pigs in the tropical lowlands of Yucatan.

Neugebauer, B. Witzenhausen : Verlagsgruppe Witzenhausen , c1986. The importance of biological agriculture in a world of diminishing resources : proc of the 5th IFOAM Int Scientific Conference at the Univ of Kassel (Germany), Aug 27-30, 1984 / H. Vogtmann, E. Boehncke, I. Fricke, eds. p. 387-395. ill. Includes references. (NAL Call No.: DNAL S605.5.I45 1984).

0199

Farm animal welfare cattle, pigs and poultry /David Sainsbury. --.

Sainsbury, David, 1928-. London : Collins, c1986. Includes index. x, 175 p. : ill. ; 24 cm. Bibliography: p. 171 . (NAL Call No.: DNAL SF61.S2).

(ANIMAL PRODUCTION)

0200

Farm animal welfare and farmers' welfare.
Fox, M.W. Gainesville, Fla. : The Program, 1983? . Agriculture, change and human values : proceedings, multidisciplinary conference Oct 18-21, 1982 / edited by R. Haynes, R. Lanier ; sponsored by University of Florida, Humanities and Agriculture Pro. v. 2 p. 668-686. ill. Includes 25 references. (NAL Call No.: DNAL S401.A45).

0201

Farm animal welfare: facts and fallacies.
Fox, M.W. Minneapolis, Miller. Feedstuffs. Sept 8, 1980. v. 52 (37). p. 28-29. (NAL Call No.: 286.81 F322).

0202

Farm animal welfare: some economic considerations (Production problems, costs).
Turner, F. Strak, J. Washington, D.C., Institute for the Study of Animal Problems. International journal for the study of animal problems. Jan/Feb 1981. v. 2 (1). p. 15-18. (NAL Call No.: HV4701.I49).

0203

Farm animal welfare: some opinions.
Fox, M.W. Washington, D.C., Institute for the Study of Animal Problems. International journal for the study of animal problems. Mar/Apr 1981. v. 2 (2). p. 80-86. 11 ref. (NAL Call No.: HV4701.I49).

0204

Farm animal welfare, what, if any, progress?
the Hume Memorial Lecture, 26th November 1987, at The Royal Society of Medicine, London /by Ruth Harrison.
Harrison, Ruth. Potters Bar, Herts. : UFAW, c1988. 24 p. ; 19 cm. Bibliography: p. 23-24. (NAL Call No.: DNAL HV4711.H3).

0205

Farm animals : husbandry, behavior, and veterinary practice : viewpoints of a critic / Michael W. Fox. -.
Fox, Michael W., 1937-. Baltimore University Park Press c1984. Includes index. xiii, 285 p. : ill. ; 24 cm. Bibliography: p. 253-272. (NAL Call No.: SF61.F63).

0206

Farming fit for animals (Housing that's more animal behavior oriented, pig housing example).
Dunbar, R. London, Eng. : IPC Magazines. New scientist. Mar 29, 1984. v. 101 (1403). p. 12-15. ill. Includes references. (NAL Call No.: 472 N42).

0207

Feather-pecking in poultry: its relation with ground-pecking.
Blokhuis, H.J. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. Aug 1986. v. 16 (1). p. 63-67. Includes references. (NAL Call No.: DNAL QL750.A6).

0208

Feeder design and available feeding space influence the feeding behaviour of hens.
Huon, F. Meunier-Salaun, M.C.; Faure, J.M. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. Apr 1986. v. 15 (1). p. 65-70. Includes references. (NAL Call No.: DNAL QL750.A6).

0209

Feeding behavior characteristics of intact male lambs as affected by numbers of lambs in a pen with restricted access to the feed stall.
JANSAG. Jenkins, T.G. Leymaster, K.A. Champaign, Ill. : American Society of Animal Science. Journal of animal science. Aug 1987. v. 65 (2). p. 422-430. Includes references. (NAL Call No.: DNAL 49 J82).

0210

Fostering calves by odor transfer.
Dunn, G.C. Price, E.O.; Katz, L.S. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. Apr 1987. v. 17 (1/2). p. 33-39. Includes references. (NAL Call No.: DNAL QL750.A6).

0211

Fostering in sheep. V. Use of unguents to foster an additional lamb onto a ewe with a single lamb.
Alexander, G. Stevens, D.; Bradley, L.R. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. Apr 1987. v. 17 (1/2). p. 95-108. ill. Includes references. (NAL Call No.: DNAL QL750.A6).

(ANIMAL PRODUCTION)

0212

Gedragsaspecten van melkvee bij de toepassing van geprogrammeerde krachtvoerautomaten = Cow behaviour when applying programmed concentrate rationing / A.C. Smits. - .
Smits, A. C. Wageningen (Netherlands) IMAG 1980. English summary. 33 p. : ill. ; 24 cm.
--. Bibliography: p. 33. (NAL Call No.: S671.I56 no.150).

0213

Grazing Animal Welfare Symposium proceedings of a symposium held at the Bardon Professional Development Centre, Brisbane, on April 26th and 27th, 1985 / convened by Australian Veterinary Association (Queensland Branch); editors: Brian L. Moore and Peter J. Chenoweth .
Moore, Brian L.; Chenoweth, Peter J. Indoortoopilly, QLD, Australia : Australian Veterinary Association (Queensland Division), 1985 . Cover title: Grazing animal welfare. vii, 185, 40 p. : ill. ; 24 cm. Includes bibliographical references. (NAL Call No.: DNAL SF85.4.A9G72 1985).

0214

Herding and forage ingestion by sheep.
El Aich, A. Rittenhouse, L.R. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. May 1988. v. 19 (3/4). p. 279-290. Includes references. (NAL Call No.: DNAL QL750.A6).

0215

Horses suffer, too.
Smalley, A. Washington, D.C. : The Humane Society of the United States. The Humane Society of the United States News. Spring 1988. v. 33 (2). p. 13-15. ill. (NAL Call No.: DNAL HV4702.H85).

0216

Hot tips--dodging the dog days (Horses, summer care, fly control, heat stress).
Gaithersburg, Md., Fleet Street Corporation. Equus. July 1981. July 1981. c(45). p. 33-35. ill. Bibliography p. 35. (NAL Call No.: SF277.E6).

0217

Housing and welfare from first principles (Farm animals).
Baxter, M.R. CTVSD. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1983. Paper presented at the Seminar on Farm Animal Housing and Welfare, Aberdeen, July 28-30, 1982. v. 24. p. 3-7. Includes references. (NAL Call No.: SF600.C82).

0218

Housing design and welfare in livestock production.

Jongbreur, A.A.CTVSD. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1983. Paper presented at the Seminar on Farm Animal Housing and Welfare, Aberdeen, July 28-30, 1982. v. 24. p. 265-271. Includes references. (NAL Call No.: SF600.C82).

0219

Housing systems and animal welfare research requirements--a review (Farm livestock). Wood-Gush, D.G.M. Amsterdam, Elsevier. Animal regulation studies. Sept 1980. v. 2 (4). p. 275-281. Bibliography p. 280-281. (NAL Call No.: HV4701.A52).

0220

Human handling, flock size and responses to an E. coli challenge in young chickens.
Collins, J.W. Siegel, P.B. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. Dec 1987. v. 19 (1/2). p. 183-188. Includes references. (NAL Call No.: DNAL QL750.A6).

0221

Humane considerations in calf rearing.
Sambrus, H.H. Amsterdam, Elsevier. Animal regulation studies. Oct 1980. v. 3 (1/2). p. 19-22. 4 ref. (NAL Call No.: HV4701.A52).

0222

Humane treatment of farm animals.
Barnett, B.D. Minneapolis, Miller. Feedstuffs. Apr 6, 1981. v. 53 (14). p. 24-25. 9 ref. (NAL Call No.: 286.81 F322).

0223

Indicators for the determination of the appropriateness of animal housing systems from a welfare perspective.

Gloor, P. Witzenhausen : Verlagsgruppe Witzenhausen, c1986. The importance of biological agriculture in a world of diminishing resources : proc of the 5th IFOAM Int Scientific Conference at the Univ of Kassel (Germany), Aug 27-30, 1984 / H. Vogtmann, E. Boehncke, I. Fricke, eds. p. 369-375. (NAL Call No.: DNAL S605.5.I45 1984).

(ANIMAL PRODUCTION)

0224

Influence of rearing conditions on subsequent social behaviour of Friesian and Salers heifers from birth to six months of age (Breeds, dominance, social hierarchy).

Le Neindre, P.-Sourd, C. Amsterdam : Elsevier. Applied animal behaviour science. Mar 1984. v. 12 (1/2). p. 43-52. Includes references. (NAL Call No.: QL750.A6).

0225

Ingestive behaviour and wing-flapping in assessing welfare of laying hens.

Simonsen, H.B. CTVSD. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1983. Paper presented at the Seminar on Indicators Relevant to Farm Animal Welfare, Mariensee, 9-10 November 1982. v. 23. p. 89-95. Includes references. (NAL Call No.: SF600.C82).

0226

Intensive animal production and animal welfare: the present and the future (Policy, poultry meat, eggs, meat, United Kingdom).

Graham, D.WPSJA. Perry, C. Aylesbury : World's Poultry Science Association. World's poultry science journal. June 1983. v. 39 (2). p. 99-105. Includes references. (NAL Call No.: 47.8 W89).

0227

The involvement of the farm animal veterinarian in animal welfare.

Llewellyn, D.G. Washington, D.C., Institute for the Study of Animal Problems. International journal for the study of animal problems. May/June 1980. v. 1 (3). p. 156-162. (NAL Call No.: HV4701.I49).

0228

Laying hens.

Sykes, A.H. London : Bailliere Tindall, 1988. Management and welfare of farm animals. p. 197-219. ill. Includes references. (NAL Call No.: DNAL SF61.M35 1988).

0229

Limitations to pig production imposed by animal behaviour (Behavioural changes of intensively-managed animals).

Hemsworth, P.H. Melbourne, The Society. Proceedings - Australian Society of Animal Production. 1980. v. 13. p. 117-118. Includes bibliography. (NAL Call No.: 49.9 AU72).

0230

A loading issue: Scientists study how to move pigs gently.

MINSB. Obst, J. St. Paul, Minn. : The Station. Minnesota science - Minnesota, Agricultural Experiment Station. Fall 1986. v. 41 (3). p. 3. ill. (NAL Call No.: DNAL 100 M668).

0231

Locking horns over animal rights (An agriculturist view of animal welfare view, swine, poultry, cattle).

Montie, L. East Lansing, The Station. Michigan science in action - Michigan, Agricultural Experiment Station. 1981. 1981. (45). p. 4-11. ill. (NAL Call No.: S1.M5).

0232

Lupins in grain diets for drought-affected lambs weaned at different ages.

AAHA. Kenney, P.A. Melbourne : Commonwealth Scientific and Industrial Research Organization. Australian journal of experimental agriculture. 1987. v. 27 (5). p. 625-628. Includes references. (NAL Call No.: DNAL 23 AU792).

0233

Management and welfare of farm animals.

London : Bailliere Tindall, 1988. "The WFAW handbook." x, 260 p. : ill. ; 25 cm. Includes bibliographies and index. (NAL Call No.: DNAL SF61.M35 1988).

0234

Management constraints for livestock housing in the USA.

DeShazer, J.A. CTVSD. Hahn, G.L. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1983. Paper presented at the Seminar on Farm Animal Housing and Welfare, Aberdeen, July 28-30, 1982. v. 24. p. 330-335. maps. Includes references. (NAL Call No.: SF600.C82).

0235

Management of health and welfare in intensive pig husbandry.

Aalund, O. Amsterdam, Elsevier. Animal regulation studies. Oct 1980. v. 3 (1/2). p. 129-132. 1 ref. (NAL Call No.: HV4701.A52).

(ANIMAL PRODUCTION)

0236

Meat and right: farming as if the animal mattered.
CNVJA. Wester, A.J.F. Ottawa : Canadian Veterinary Medical Association. The Canadian veterinary journal = La Revue veterinaire canadienne. Aug 1987. v. 28 (8). p. 462-465. ill. (NAL Call No.: DNAL 41.8 R3224).

0237

More about mules.
Miller, R.M. Manhattan, Kan. : The Association. Proceedings of the annual convention of the American Association of Equine Practitioners. Meeting held on November 29 through December 2nd, 1987, New Orleans, Louisiana. 1988. (33rd). p. 865-869. ill. (NAL Call No.: DNAL SF601.A46).

0238

No need to be boxed in: group pens and grain for veal calves.
Mosner, M.S. Washington, D.C. : Institute for the Study of Animal Problems. International journal for the study of animal problems. July/Sept 1982. v. 3 (3). p. 207-210. (NAL Call No.: DNAL HV4701.I49).

0239

Non-exclusive spatial preference in the laying hen.
Nicol, C.J. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. July 1986. v. 15 (4). p. 337-350. ill. Includes references. (NAL Call No.: DNAL QL750.A6).

0240

A note on the effect of castration on the ease of movement and handling of young cattle in yards.
ANIPA. Hinch, G.N. Lynch, J.J. Neston, South Wirral, England : British Society of Animal Production. Animal production. Oct 1987. v. 45 (pt.2). p. 317-320. Includes references. (NAL Call No.: DNAL 49 AN55).

0241

Observations on the use of feeding space in a commercial broiler chicken house.
BPDSA. Preston, A.P. Murphy, L.B. Oxfordshire : Carfax Publishing Company. British poultry science. June 1988. v. 29 (2). p. 293-300. Includes references. (NAL Call No.: DNAL 47.8 B77).

0242

Operant determination of the cage and feeder size preferences of the laying hen.
Faure, J.M. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. July 1986. v. 15 (4). p. 325-336. ill. Includes references. (NAL Call No.: DNAL QL750.A6).

0243

Order of cow entry at milking and its relationships with milk yield and consistency of the order (Behavior, commercial farms, New South Wales, Australia).
Rathore, A.K. Amsterdam, Elsevier. Applied animal ethology. Jan 1982. v. 8 (1/2). p. 45-52. Includes 1 p. ref. (NAL Call No.: QL750.A6).

0244

Pain and stereotypes.
Wiepkema, P.R. Brussels : Directorate-General for Agriculture, Coordination of Agricultural Res., c1986. Assessing pain in farm animals : proceedings of a workshop held in Roslin, Scotland, 25 and 26 October 1984 / edited by I.U.H. Duncan, V. Molony. p. 62-70. Includes references. (NAL Call No.: DNAL HV4704.A77).

0245

Parameters for assessing welfare, ethological criteria (Swine, behavior).
Buchenauer, D. CTVSD. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1981. Paper presented at the Seminar in the EEC Programme of Coordination of Research on Animal Welfare, Brussels, November 25-26, 1980. v. 11. p. 75-94. Includes references. (NAL Call No.: SF600.C82).

0246

Performance and behavior of calves weaned at four herd densities.
Richmond, C.E. Schake, L.M. College Station, Tex., The Station. PR - Texas Agricultural Experiment Station. 1981. 1981. (3758/3830). p. 135-139. ill. 3 ref. (NAL Call No.: 100 T31P).

0247

Performance, behavior, plasma corticosterone, and economic returns of laying hens in several management alternatives.
POSCAL. Koelkebeck, K.W. Cain, J.R. Champaign, Ill. : Poultry Science Association. Poultry science. Literature review. Nov 1984. v. 63 (11). p. 2123-2131. ill. Includes references. (NAL Call No.: DNAL 47.8 AM33P).

(ANIMAL PRODUCTION)

0248

Peri-parturient changes in behaviour in free-ranging domestic pigs.
Jensen, P. Floren, K.; Hobroh, B. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. Apr 1987. v. 17 (1/2). p. 69-76. Includes references. (NAL Call No.: DNAL QL750.A6).

0249

Physiological criteria for improvement of production efficiency in beef cows subjected to nutritional and environmental "stress" due to fluctuating seasonal grazing conditions /Z.
Holzer ... et al. .
Holzer, Z. Bet Dagan, Israel : BARD, 1986. Final report.- Project no. I-132-80.~ "1987."--Cover. 298 p. ; ill. ; 28 cm. Bibliography: p. 265-291. (NAL Call No.: DNAL SF203.P48).

0250

Pig behavior studies applied to slaughter-plant design (Abattoirs).
Grandin, T. Amsterdam : Elsevier. Applied animal ethology. Dec 1982. v. 9 (2). p. 141-151. ill. Includes references. (NAL Call No.: QL750.A6).

0251

Pig housing and the environment--future perspectives.
BOPUDB. English, P.R. Haddington : The Society. BSAP occasional publication : an occasional publication of the British Society of Animal Production. In the series analytic: Pig housing and the environment / edited by A.T. Smith and T.L.J. Lawrence. Proceedings of a Symposium, October 1986, Kenilworth, Scotland. 1987. (11). p. 117-125. ill. Includes references. (NAL Call No.: DNAL SF5.B74).

0252

Pigs.
Lean, I.J. London : Bailliere Tindall, 1988. Management and welfare of farm animals. p. 143-173. ill. Includes references. (NAL Call No.: DNAL SF61.M35 1988).

0253

Pigs and straw.
Sainsbury, D.W.B. Cambridge : The Society. Proceedings - The Pig Veterinary Society. 1983. v. 10. p. 1-13. (NAL Call No.: DNAL SF971.P5).

0254

Poultry production and welfare.
Sainsbury, D.W.B. Amsterdam, Elsevier. Animal regulation studies. Oct 1980. v. 3 (1/2). p. 43-49. 10 ref. (NAL Call No.: HV4701.A52).

0255

Preparation and handling of sheep before and during ship transportation.
Grandin, T. Fort Washington, Md. : The Animal Air Transportation Association. Proceedings of the ... International Conference of the Animal Air Transportation Association. Apr 24/26, 1984. (10th). p. 116-126. ill. Includes references. (NAL Call No.: DNAL TL720.7.A5).

0256

Production hazards in technically advanced confinement systems for pigs (Intensive housing to the behavioural needs and welfare of stock).
Ludvigsen, J.B. Amsterdam, Elsevier. Animal regulation studies. Oct 1980. v. 3 (1/2). p. 99-103. (NAL Call No.: HV4701.A52).

0257

Production performance in laying hens kept under different housing conditions (Egg quality).
Wegner, R.M.CTVSD. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1983. Paper presented at the Seminar on Indicators Relevant to Farm Animal Welfare, Mariensee, 9-10 November 1982. v. 23. p. 189-196. Includes references. (NAL Call No.: SF600.C82).

0258

Proper cow movement and handling aids parlor milking (Stress reduction, dairy management).
Merrill, W. Galton, D. Batavia : Agricultural Divisions of Cooperative Extension, Four Western Plain Counties, N.Y. State. Ag impact. Feb 1983. v. 10 (2). p. 1-2. (NAL Call No.: S544.3.N7A45).

0259

The psychological relationship between dairy cows and dairy cowmen and its implications for animal welfare.
Seabrook, M.F. Washington, D.C., Institute for the Study of Animal Problems. International journal for the study of animal problems. Sept/Oct 1980. v. 1 (5). p. 295-298. 7 ref. (NAL Call No.: HV4701.I49).

(ANIMAL PRODUCTION)

0260

The psychology and ethics of humane equine treatment.
Cregier, S.E. Boston : Martinus Nijhoff Publishers. Advances in animal welfare science. 1986/1987. p. 77-87. Includes references. (NAL Call No.: DNAL HV4701.A34).

0261

Rearing conditions and behaviour in pigs /W.G.P. Schouten.
Schouten, W. G. P. 1947-. 1986. Thesis (doctoral)--Landbouwhogeschool te Wageningen, 1986. Summary and vita in Dutch.~ Includes vita. 151, 4 p. : ill. ; 24 cm. Bibliography: p. 145-151. (NAL Call No.: DNAL SF396.3.S36).

0262

Recommended code of practice for care and handling of pigs /coordinated by the Canadian Federation of Humane Societies. --.
Ottawa : Agriculture Canada : available from Communications Branch, Agriculture Canada, c1984 . Also issued in French with title: Code de pratiques recommandées pour l'entretien et la manutention des porcs.~ Coordinated by the Canadian Federation of Humane Societies.~ "The purpose of this code is to ensure the welfare of swine, based on the good will of all concerned and without mandatory controls."--Foreword. 37 p. ; 23 cm. --. (NAL Call No.: DNAL 7 C16Pu no.1771/E).

0263

Reinforcing properties of access to litter in hens.
Dawkins, M.S. Beardsley, T. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. July 1986. v. 15 (4). p. 351-364. ill. Includes references. (NAL Call No.: DNAL QL750.A6).

0264

Relationship between production factors and dominance in white leghorn hens in a study on social rank and cage design (Aggressiveness, behavior, egg production, head pecking, weight gains).
Cunningham, D.L. Tienhoven, A. van. Amsterdam : Elsevier. Applied animal ethology. Sept 1983. v. 11 (1). p. 33-44. Includes references. (NAL Call No.: QL750.A6).

0265

The relationship between the social dominance of cows in a grazing herd and their milk production, herbage intake and grazing behaviour.

IJLAG. Dublin : An Foras Taluntais. Irish journal of agricultural research. 1987. v. 26 (2/3). p. 231-235. Includes references. (NAL Call No.: DNAL 10.5 IR45).

0266

Relationships between parameters of the open field test of cows and their milk production in loose housing (Behavior, breeds, milk yields, Czechoslovakia).

Kovalcikova, M. Kovalcik, K. Amsterdam : Elsevier. Applied animal ethology. Dec 1982. v. 9 (2). p. 121-129. ill. Includes references. (NAL Call No.: QL750.A6).

0267

Report on the welfare of livestock when slaughtered by religious methods /Farm Animal Welfare Council.

London : H.M.S.O., 1985. 49 p. : ill. ; 25 cm. Bibliography: p. 47-49. (NAL Call No.: DNAL TS1966.G7R46).

0268

Research note: Effects of feed trough partitions on productivity and behavior of layers.

POSCAL. Anderson, K.E. Adams, A.W. Champaign, Ill. : Poultry Science Association. Poultry science. Sept 1988. v. 67 (9). p. 1348-1351. Includes references. (NAL Call No.: DNAL 47.8 AM33P).

0269

A review of the factors influencing the aggressive and agonistic behaviour of the domestic pig.

AAHA. Petherick, J.C. Blackshaw, J.K. Melbourne : Commonwealth Scientific and Industrial Research Organization. Australian journal of experimental agriculture. 1987. v. 27 (5). p. 605-611. Includes references. (NAL Call No.: DNAL 23 AU792).

0270

The role of behavior in poultry production: a review of research (Group structure, sexual behavior, dietary habits and general adaptation).

Siegel, P.B. Amsterdam : Elsevier. Applied animal ethology. Feb 1984. v. 11 (4). p. 299-316. Includes references. (NAL Call No.: QL750.A6).

(ANIMAL PRODUCTION)

0271

The role of behavior in sheep production: a review of research.
Gonyou, H.W. Amsterdam : Elsevier. Applied animal ethology. Feb 1984. Literature review. v. 11 (4). p. 341-358. Includes references. (NAL Call No.: QL750.A6).

0272

The role of behavior in swine production: a review of research.
Fraser, D. Amsterdam : Elsevier. Applied animal ethology. Feb 1984. Literature review. v. 11 (4). p. 317-339. Includes references. (NAL Call No.: QL750.A6).

0273

Safe handling of farm animals (Animal behavior, precautions, accident prevention, Wisconsin animal-related injury statistics).
Antoniewicz, R.J. Bristol, R.F.; Howard, W.T.; Jensen, D.V.; Leibbrandt, V.D.; Vatthauer, R.J. Madison : The Programs. Publication - Cooperative Extension Programs. University of Wisconsin - Extension. Oct 1981. Oct 1981. (A3149). 8 p. ill. Includes references. (NAL Call No.: S544.3.W6W53).

0274

Safety considerations for automatic milking systems.
JAERA. Ordolff, D. London : Academic Press. Journal of agricultural engineering research. Oct 1987. v. 38 (2). p. 91-98. ill. Includes references. (NAL Call No.: DNAL 58.8 J82).

0275

Sheep.
Williams, H.L. London : Bailliere Tindall, 1988. Management and welfare of farm animals. p. 81-124. ill. Includes references. (NAL Call No.: DNAL SF61.M35 1988).

0276

Sheep mulesing and animal lib (Cutting skin sections from lambs to avoid fly and maggot infestation, animal welfare).
Heneson, N. Washington, D.C., Institute for the Study of Animal Problems. International journal for the study of animal problems. July/Aug 1980. v. 1 (4). p. 224-226. (NAL Call No.: HV4701.149).

0277

Sheepmen & their dogs: socialising a pup (Sheep dogs, aggression, behavior, biting, training).
Dalton, D.C.NZFAA. Kilgour, R. Auckland : New Zealand Newspapers. The New Zealand farmer. Dec 9, 1982. v. 103 (24). p. 87-88. ill. (NAL Call No.: 23 N484).

0278

Sheltering behaviour and lamb mortality amongst shorn Merino ewes lambing in paddocks with a restricted area of shelter or no shelter.
Lynch, J.J. Mottershead, B.E.; Alexander, G. Amsterdam, Elsevier. Applied animal ethology. Apr 1980. v. 6 (2). p. 163-174. ill. 11 ref. (NAL Call No.: QL750.A6).

0279

Significance of production performance traits as indicators of animal welfare (Piglets, mortality, housing).
Bienfait, J.M.CTVSD. Nicks, B.; Eenaeme, C. van. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1983. Paper presented at the Seminar on Indicators Relevant to Farm Animal Welfare, Mariensee, 9-10 November 1982. v. 23. p. 167-182. Includes references. (NAL Call No.: SF600.C82).

0280

Slaughter of red meat animals.
Petersfield Hampshire : Compassion in World Farming. Agscience : news & comments on agriculture and the environment. Sept 1986. (85). p. 3-4. ill. (NAL Call No.: DNAL HV4804.A3A4).

0281

Social aspects of feeding behaviour in chickens.

Cunningham, D.L. Ithaca, The Conference. Proceedings.Cornell Nutrition Conference for Feed Manufacturers. 1979. 1979. p. 113-118. ill. 31 ref. (NAL Call No.: 389.79 C81).

0282

Social dominance in range cows and its effect on supplemental feeding /Kenneth A. Wagnon.
Wagnon, Kenneth A. 1907-. Berkeley, Calif. : Agricultural Experiment Station, 1965. "November 1965." . 31 1 p. : ill., 1 map ; 23 cm. Bibliography: p. 32 . (NAL Call No.: DNAL 100 C12S no.819).

(ANIMAL PRODUCTION)

0283

Social licking pattern and its relationships to social dominance and live weight gain in weaned calves (Behavior, psychological stability).
Sato, S. Amsterdam : Elsevier. Applied animal behaviour science. Mar 1984. v. 12 (1/2). p. 25-32. ill. Includes references. (NAL Call No.: QL750.A6).

0284

Some effects of cage and floor rearing on commercial White Leghorn pullets during growth and the first year of egg production.
POSCAL. Jin, L. Craig, J.V. Champaign, Ill. : Poultry Science Association. Poultry science. Oct 1988. v. 67 (10). p. 1400-1406. Includes references. (NAL Call No.: DNAL 47.8 AM33P).

0285

Some observations on the role of behavior in poultry production and future research needs (Group structure, sexual behavior, dietary habits and general adaptation).
Mauldin, J.M. Graves, H.B. Amsterdam : Elsevier. Applied animal ethology. Feb 1984. Literature review. v. 11 (4). p. 391-399. Includes references. (NAL Call No.: QL750.A6).

0286

Some observations on the role of behavior in sheep production and future research needs (Applied ethology, sheep management systems).
Hulet, C.V. Bond, J. Amsterdam : Elsevier. Applied animal ethology. Feb 1984. v. 11 (4). p. 407-411. Includes references. (NAL Call No.: QL750.A6).

0287

Some observations on the role of behavior in swine production and future research needs.
Hartsock, T.G. Curtis, S.E. Amsterdam : Elsevier. Applied animal ethology. Feb 1984. v. 11 (4). p. 401-405. Includes references. (NAL Call No.: QL750.A6).

0288

Stand by for an outcry against farm 'cruelty'.
NZJAA. Moffat, J. Auckland : Deslandes Ltd. New Zealand journal of agriculture. Dec 1985. v. 150 (11). p. 10-11. (NAL Call No.: DNAL 23 N48U).

0289

Stress and behaviour: an operational approach to animal welfare (Caring for and handling).
Kilgour, R. CTVSD. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1983. Paper presented at the Seminar on Farm Animal Housing and Welfare, Aberdeen, July 28-30, 1982. v. 24. p. 36-44. ill. Includes references. (NAL Call No.: SF600.C82).

0290

Such is the real nature of horses / Robert Vavra. - .
Vavra, Robert. New York Morrow 1979. 238 p. : col. ill. ; 31 cm. (NAL Call No.: SF281.V38 1979).

0291

Systems under scrutiny (Animal welfare, intensive methods of pig-keeping).
Macneil, F. Ipswich, Eng., Farming Press. Pig farming. Apr 1980. v. 28 (4). p. 45-47, 49-51, 53, 55. ill. (NAL Call No.: 46.8 P623).

0292

A technique for cross-mothering beef calves which does not affect growth.
Herd, R.M. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. May 1988. v. 19 (3/4). p. 239-244. ill. Includes references. (NAL Call No.: DNAL QL750.A6).

0293

Temperament and bruising of Bos indicus cross cattle.
AAAHA. Fordyce, G. Goddard, M.E.; Tyler, R.; Williams, G.; Tolman, M.A. Melbourne : Commonwealth Scientific and Industrial Research Organization. Australian journal of experimental agriculture. 1985. v. 25 (2). p. 283-288. Includes 14 references. (NAL Call No.: DNAL 23 AU792).

0294

There are no problem horses only problem riders (Causes of aggressive behavior, correct the problems).
Twelveponies, M. Capistrano Beach, Calif., Charger Productions. Horse and horseman. Dec 1979. v. 7 (10). p. 40-42, 44, 54 (continued) ill. (NAL Call No.: SF277.H66).

(ANIMAL PRODUCTION)

0295

There are no problem horses, only problem riders (Correcting behavior faults of horses, such as rearing).
Twelveponies, M. Capistrano Beach, Charger Productions, Inc. Horse and horseman. Jan 1979. v. 6 (11). p. 26-29 (continued) ill. (NAL Call No.: SF277.H66).

0296

Thinking with horses.
Blake, Henry N. London Souvenir Press 1977. 199 p., (8) leaves of plates : ill. ; 23 cm. (NAL Call No.: SF281.B56).

0297

Tranquilizing range cows to facilitate calf adoption.
Zobell, R.S. Federer, G.D. Denver, Colo. : Society for Range Management. Rangelands. Feb 1986. v. 8 (1). p. 12-13. ill. Includes references. (NAL Call No.: DNAL SF85.A1R32).

0298

Turkey slaughtering procedures: time to loss of brain responsiveness after exsanguination or cardiac arrest.
RVTS. Gregory, N.G. Wotton, S.B. London : British Veterinary Association. Research in veterinary science. Mar 1988. 44 (2). p. 183-185. Includes references. (NAL Call No.: DNAL 41.8 R312).

0299

Turkeys in transit (Stress, welfare).
Wallis, A.S. Hertfordshire (Eng.) (8 Hamilton Close, South Mimms, Potters Bar, Hertfordshire), Universities Federation for Animal Welfare, 1979. The Humane treatment of food animals in transit; proceedings of a symposium 20th July 1979, organised by the Universities Federation for Animal Welfare and the Council of Justice to Animals and Humane Slaughter Association. p. 30-33. (NAL Call No.: HV4704.H8).

0300

The veterinarian and farm animal welfare.
Fox, M.W. Santa Barbara, Calif., American Veterinary Publications. Modern veterinary practice. Apr 1980. v. 61 (4). p. 293-294. (NAL Call No.: 41.8 N812).

0301

A visit to 15,000 contented hens.
Stevens, C. Washington, D.C. : The Institute. The Animal Welfare Institute quarterly. Fall 1983. v. 32 (3). p. 6-7. ill. (NAL Call No.: DNAL HV4761.A5).

0302

Welfare and husbandry of calves : a seminar in the CEC Programme of Coordination of Research on Animal Welfare, organized by J.P. Signoret, and held in Brussels, 9-10 July, 1981 / edited by J.P. Signoret. -.
Signoret, J. P. The Hague Boston M. Nijhoff for the Commission of the European Communities Hingham, Mass. Distributors for the U.S. and Canada, Kluwer Boston 1982. "Sponsored by the Commission of the European Communities, Directorate-General for Agriculture, Coordination of Agricultural Research.". vii, 248 p. : ill. ; 25 cm. --. Includes bibliographies. (NAL Call No.: SF600.C82 v.19).

0303

Welfare in veal calf units (Housing system, behavior).
Putten, G. van. London, British Veterinary Association. The Veterinary record. Nov 6, 1982. v. 111 (19). p. 437-440. 16 ref. (NAL Call No.: 41.8 V641).

0304

Welfare requirements of handling facilities (Cattle, pigs, sheep).
Grandin, T. CTVSD. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1983. Paper presented at the Seminar on Farm Animal Housing and Welfare, Aberdeen, July 28-30, 1982 ~Literature review. v. 24. p. 137-149. ill. Includes references. (NAL Call No.: SF600.C82).

0305

Animal protection and behavior related viewpoints of calf fattening. GERMAN.
Groth, W. Hildesheim, Arbeitsgemeinschaft Deutscher Tierzüchter. Der Tierzüchter. Oct 25, 1978. v. 30 (10). p. 419-422. (NAL Call No.: 49 T445).

0306

Applied ethological research on domestic chickens. French.

Zayan, Rene. Louvain-la-Neuve : Universite catholique de Louvain, 1984 . At head of title: I.R.S.I.A. Centre d'ethologie des animaux domestiques. ~ Summary in Dutch and English. 280 p. : ill. ; 25 cm. Bibliography:

(ANIMAL PRODUCTION)

p. 263-264. (NAL Call No.: DNAL SF493.5.Z39).

Call No.: 442.8 Z35).

0307

Aspects of growth and alimentary behavior of chickens raised in batteries (Density of chickens per unit of space). ROMANIAN.
Boisteanu, I. Grigoras, D.; Folea, O.; Boisteanu, A.; Brezuleanu, S. Iasi, (s.n.). Lucrari stiintifice. Seria Zootehnica Medicina veterinara. 1978. 1978. p. 73-74. plate. 4 ref. (NAL Call No.: SF695.R615).

0308

Behavior analysis of dairy cows under the conditions of large-scale production technology of loose housing.
Vavak, V. Bratislava, Slovenska akademia vied. Pol'nohospodarstvo. = Sel'skoe khoziaistvo. = Agriculture. 1981. v. 27 (1). p. 44-51. 9 ref. (NAL Call No.: 19.5 P752).

0309

Behavior and development of calves under conditions of commercial complex at different technologies. Russian.
Borodulin, E.N. IArrovoi, S.A. Moskva : Kolos, 1981. Vyvedenie korov dlia molochnykh kompleksov / red. A.S. Vsiakikh. p. 149-158. ill. (NAL Call No.: SF201.V88).

0310

Behavior and hoof health of early weaned piglets on flatdecks with various floor coverings. German.
Schuster, Herbert. 1952-. Hohenheim : s.n., 1984. English summary.~ Includes vita. 152, 6 p. : ill. ; 21 cm. -- Bibliography: p. 137-152. (NAL Call No.: DNAL 105.8 H686D 1984 no.33).

0311

Behavior and productivity of sows in relation with the steadiness and well balanced state of the nervous processes. Ukrainian.
VSNA. Naumenko, V.V. Shubenko, O.I. Kyiv : Derzh, vid-vo sil'hosn. Visnyk sil's'kohospodars'koi nauky. Oct 1984. (10). p. 62-63. (NAL Call No.: DNAL 20 V82).

0312

Behavior, breeding and management of bison in North America.
Sambraus, H.H. Hamburg, Paul Parey. Zeitschrift fur Tierzuchtung und Zuchungsbiologie. = Journal of animal breeding and genetics. Sept 1981. v. 98 (3). p. 210-219. ill. 7 ref. (NAL

0313

Behavior of Ile-de-France rams reared in different conditions in an open-field test (Breed, sexual behavior). French.
Lachaux, M. Bouissou, M.F.; Berges, J.C.; Orgeur, P. Paris : Masson. Biology of behaviour. 1983. v. 8 (3). p. 257-279. ill. Includes references. (NAL Call No.: QL750.B52).

0314

Behavior of non-lactating cows depending on the keeping method. Ukrainian.
Skvaruk, V.S. VSNA. Bortnovs'kyi, P.F.; Voltornystyi, V.M. Kiyv : Derzh, vid-vo sil'gosn. Visnyk sil's'kohospodars'koi nauki. Mar 1982. Mar 1982. (3). p. 31-33. Includes references. (NAL Call No.: 20 V82).

0315

Behavior reaction of first-calf cows (Response to machine milking). Russian.
Tokarev, Iu. Blizno, V. Moskva : "Kolos". Molochnoe i miasnoe skotovodstvo. Oct 1981. Oct 1981. (10). p. 27. (NAL Call No.: 43.8 M73).

0316

Behaviour of calves during period after calving in dependence on housing system. Czech.
Veris, J. Navratil, J. V Praha, Vysoka Skola Zemedelska. Sbornik. Rada B. Zivocisna výroba - Prague, Vysoka skola zemedelska, Fakulta agronomicka. 1982. 1982. (37). p. 109-124. ill. 9 ref. (NAL Call No.: SF1.P7).

0317

Behaviour of heifers originating from different sires. Polish.
ZPPRA. Winnicki, S. Warszawa : Panstwowe Wydawn. Naukowe. Zeszyty problemowe postepow nauk rolniczych. 1984. (267). p. 253-258. Includes 2 references. (NAL Call No.: DNAL 20.5 25).

0318

The behaviour of hens influenced by different rearing and housing systems. German.
Folsch, D.W. Basel, Birkhauser Verlag. Tierhaltung. 1981. v. 12. p. 9-114. ill. Includes 5 p. ref. (NAL Call No.: SF105.T5).

(ANIMAL PRODUCTION)

0319

Breeding sows in box stalls and in group rearing, hogging behavior, births, fertility and defects on motion apparatus. Sommer, Beatrix, 1950-. Munchen (s.n.) 1979. English summary ~Includes vita. 203 p. : ill. --. Bibliography: p. 178-202. (NAL Call No.: 41.2 M9222 (1979, no.58)).

0320

The controversy of cage rearing of laying hens (Animal welfare). GERMAN. Scholz, H. Hannover, Alfred Strothe. Kraftfutter. Nov 1979. v. 62 (11). p. 562. (NAL Call No.: 389.78 K85).

0321

A device planned for improving growth of slaughter heifers (Use in reducing sexual behavior, promotes weight gain by elimination of undesirable behavior, promotes calmness). French. Libersa, M. Fabre, G.; Girardin, F.; Abric, J.L. Paris : Compagnie generale de developpement. L'Elevage bovin. Nov 1982. Nov 1982. (122). p. 22-23. ill. (NAL Call No.: SF1.E42).

0322

Effect of commercial technology on animal behavior (Cows). Russian. Venediktova, T.N. Karavaeva, E.A. Dubrovitsy : Instituta. Trudy - Vsesoiuznyi nauchno-issledovatel'skii institut zhivotnovodstva. 1980. v. 40. p. 104-111. ill. (NAL Call No.: 49.9 R92).

0323

Effect of housing on the behaviour and weight gains of heifers. Zadrazil, P. Dolezal, O. Praha, Ustav. Zivocisna výroba - Československa akademie zemedelska, Ustav vedeckotechnickych informaci pro zemedelstvi. Dec 1980. v. 25 (12). p. 897-902. ill. 13 ref. (NAL Call No.: 49.9 C83).

0324

Effect of milking techniques "in pen" on the daily regimen and behavior of dairy cows. Czech. SVSBD. Navratil, J. Veris, J.; Jisa, J.; Jirak, J.; Vostrel, F. Praha : Vysoka Skola Zemedelska. Sbornik. Rada B: Zivocisna výroba - Prague, Vysoka skola zemedelska, Fakulta agronomicka. 1985. (43). p. 157-171. ill. Includes references. (NAL Call No.: DNAL SF1.P7).

0325

Effect of pig housing environment on pig efficiency and behavior. Czech. SVSBD. Hovorka, F. Zarecky, M. Praha : Vysoka Skola Zemedelska. Sbornik. Rada B: Zivocisna výroba - Prague, Vysoka skola zemedelska, Fakulta agronomicka. 1985. 42. p. 247-262. Includes references. (NAL Call No.: DNAL SF1.P7).

0326

Effect of pre-slaughter treatment of slaughter animals on meat quality and weight losses of meat. Slovak. VTERA. Siksa, J. Izak, S. Praha : Statni zemedelske nakladatelstvi. Veterinarstvi. 1984. v. 34 (7). p. 314-315. Includes references. (NAL Call No.: DNAL 41.8 V6439).

0327

Effect of restricted space and diverse microclimatic conditions on the behaviour and productivity of broiler chickens (Housing). Polish.

Herbut, E. Wezyk, S. Krakow : Zaklad Narodowy im. Ossolinskich. Acta agraria et silvestria. Series zootechnica. 1982. v. 21. p. 3-10. Includes references. (NAL Call No.: 49 AC8).

0328

Effect of slatted floors on the behavior of fattened lambs. Slovak. ZIVYA. Kuran, J. Piko, P.; Knazovicky, F. Praha : Ustav. Zivocisna výroba - Ceskoslovenska akademie zemedelska, Ustav vedeckotechnickych informaci pro zemedelstvi. June 1985. v. 30 (6). p. 565-572. Includes references. (NAL Call No.: DNAL 49.9 C33).

0329

Effect of the number of growing piglets per cage on their growth, feed conversion and behavior. Bulgarian. Benkov, M. Kirov, M. Sofiia : Bulgarska akademia na naukite. Zhivotnovudni nauki = Animal science. 1984. v. 21 (1). p. 59-63. Includes references. (NAL Call No.: 49 265).

0330

Effect of the suckling period with colostrum on the behavior of dairy calves. Spanish. Ruiz, M.E. Perez, E.; Medina, R. San Jose, Costa Rica, Instituto Interamericano de Ciencias Agricolas. Turrialba. Jan/Mar 1981. v. 31 (1). p. 21-26. 33 ref. (NAL Call No.: 8 T86).

(ANIMAL PRODUCTION)

0331

Effects of a controlled light regime on the behaviour of young pigs reared in deck cages. CZECH.

Smisek, V. Adamek, J. Brno. Acta ... Sbornik. Rada A: Spisy Fakulty agronomicke Brno. Vysoka skola zemedelska. 1977. v. 25 (3). p. 157-163. ill. 7 ref. (NAL Call No.: S13.B7).

0332

Effects on the private farmer of introducing more humane pig-rearing methods. German. BERLA. Maier, P. Hamburg, W. Ger. : Paul Parey. Berichte über Landwirtschaft. Sept 1984. v. 62 (3). p. 329-340. Includes 31 references. (NAL Call No.: DNAL 18 G31).

0333

Ethology--Critique (Caged chickens, behavior). DANISH. Petersen, V.E. Kobenhavn, Danmarks Jordbruksvidenskabelige Kandidatforbund. Ugeskrift for jordbrug. Feb 1, 1979. v. 124 (5). p. 107-108, 117. (NAL Call No.: S11.U35).

0334

Examination of learning of milking cows in large-scale dairy unit (Behavior). Hungarian. Pojntner, M. Szucs, E.; Keszthelyi, T. Budapest : Hirlapkiado Vallalat. Allattenyeszes es takarmanyozas = Animal breeding and feeding. 1983. v. 32 (3). p. 275-278. ill. Includes references. (NAL Call No.: 49 AL57).

0335

Growth and behavior of dairy calves under hutch-housing conditions (Japan). Japanese. Iketaki, T. Uchiyama, K.; Hirose, Y.; Tojo, Y.; Ota, S. Obihiro : Obihiro Chikusan Daigaku. Gakujutsu Kenkyu Hokoku = Research bulletin of Obihiro University. Series I. June 1983. v. 13 (2). p. 93-100. Includes references. (NAL Call No.: 513 OB3).

0336

Humane rearing systems for poultry. German. Petersen, J. Bonn, W. Ger. : Der Fakultat. Vortrage - Hochschultagung der Landwirtschaftlichen Fakultat der Universitat Bonn. 1983. (36th). p. 73-78. Includes 8 references. (NAL Call No.: DNAL 27 H652).

0337

Humane rearing techniques in swine production. German.

Finke, K. Bonn, W. Ger. : Der Fakultat. Vortrage - Hochschultagung der Landwirtschaftlichen Fakultat der Universitat Bonn. 1983. (36th). p. 61-71. ill. Includes 16 references. (NAL Call No.: DNAL 27 H652).

0338

The influence of aircraft noise on the productivity of chickens, mortality and types of behaviour. German. Rhein, Bodo von. Hannover (s.n.) 1983. English summary. 90 p. : ill ; 21 cm. --. Bibliography: p. 85-90. (NAL Call No.: 41.2 H198 1983 (no.114)).

0339

Influence of the lighting regime on feeding behavior and weight gains of broiler chickens raised in cages. Boisteanu, I. Folea, O.; Brezuleanu, S.; Cocos, L.; Boisteanu, A. Iasi, (s.n.). Lucrari stiintifice. Seria Zootehnica Medicina veterinara. 1979. v. 23. p. 77-78. 3 ref. (NAL Call No.: SF695.R6I5).

0340

The influence of various suckling times and production types on the behavior of piglets until they are 3 months old. German. Sachsenmaier, Martina Maria, 1958-. Giessen : s.n., 1984. English summary.~ Errata sheet inserted.~ Includes vita. 163, 7 p. : ill. ; 21 cm. --. Bibliography: p. 82-99. (NAL Call No.: DNAL 41.2 G3642 1984 no.59).

0341

Investigation of methods of maintaining laying hens, with a consideration of ethological aspects (Behavior, chickens, humane treatment, Europe, West Germany). German. Wegner, R.M.LVOEA. Braunschweig, W. Ger. : Forschungsanstalt fur Landwirtschaft. Landbauforschung Volkenrode. 1982. v. 32 (3). p. 162-166. Includes references. (NAL Call No.: 18 L2353).

0342

Investigation of welfare in livestock raised for meat (Calves, cattle, Netherlands). Dutch. Oostendorp, D. Wageningen : Proefstation voor de Rundveehouderij. Jaarverslag - Proefstation voor de Rundveehouderij. 1983. 1983. p. 72-77. ill. (NAL Call No.: SF191.P7).

(ANIMAL PRODUCTION)

0343

Investigations on aspects of animal welfare and production in the cage-rearing of early weaned piglets.

Mohapeloa, T.K. Kalm, E.; Smidt, D. Stuttgart, Eugen Ulmer. Zuchungskunde. May/June 1980. v. 52 (3). p. 217-224. 13 ref. (NAL Call No.: 49 Z8).

0344

Laying behaviour of the floor-and cage-reared hens.

Ohtsuka, S. Chiba-shi, The Institute. Bulletin of National Institute of Animal Industry. = Chikusan Shikenjo kenkyu hokoku. Nov 1979. Nov 1979. (36). p. 99-104. ill. 3 ref. (NAL Call No.: 49.9 C436K).

0345

Life and behavior of our domestic poultry.

German.

Engelmann, C. Melsungen : Neumann-Neudamm, 1984. Includes index. 196 p. : ill. (some col.) ; 25 cm. Bibliography: p. 189-194. (NAL Call No.: DNAL SF487.E5 1984).

0346

Microclimate, swine productivity and behavior.

Russian.

Semeniuta, A.T. IAGUDIN, R.G. Moskva : "Kolos". Sel'skoe khozaiistvo za rubezhom. Jan 1981. Jan 1981. (1). p. 60-63. ill. Includes references. (NAL Call No.: S13.S45).

0347

Modern housing and well-being of swine. French.

Maton, A. Lille, France : s.n. . Cultivar. Nov 15, 1986. (201). p. E48, E50-E51. ill. (NAL Call No.: DNAL SB183.C8).

0348

Observation of some essential behavior patterns of laying hens kept in battery cages with a different floor area by video recording technique. German.

Tebbe, Verena, 1950-. Munchen : s.n. , 1984. English summary.~ Includes vita. 104 p. : ill. ; 21 cm. --. Bibliography: p. 86-103. (NAL Call No.: DNAL 41.2 M9222 1984 no.130).

0349

Optimal size of a production group considering the behavior of cows (Dairy cattle farming).

Russian.

Andreev, I. Moskva : "Kolos". Molochnoe i miasnoe skotovodstvo. Nov 1980. Nov 1980. (11). p. 14-15. ill. (NAL Call No.: 43.8 M73).

0350

Pathological indicators relative to animal welfare of sows in modern housing systems.

German.

Berner, H. Stuttgart, W. Ger. : F. K. Schattauer Verlag. Tierarztliche Praxis. 1986. v. 14 (1). p. 67-78. ill. Includes 13 references. (NAL Call No.: DNAL SF603.V4).

0351

Performance and behavior of laying hens in get away cages. German.

Kleist, Jutta von, 1957-. Kiel : Selbstverlag des Institutes fur Tierzucht und Tierhaltung der Christian-Albrechts-Universitat zu Kiel, 1985. English summary.~ Includes vita. 287 p. : ill. ; 21 cm. --. Bibliography: p. 225-231. (NAL Call No.: DNAL SF83.G3S3 Heft 21).

0352

Pig feeding in a stable the front door of which is open. II: Behaviour and health. German.

Etter, H. Jakob, P. Bern, Benteli. Schweizerische landwirtschaftliche Monatshefte. May/June 1981. v. 59 (5/6). p. 203-211. Includes 11 ref. (NAL Call No.: 17 SCH93).

0353

Place in the hierarchy, sexual behavior and performance and their interactions in the loose keeping of bulls for fattening. Hungarian.

Szucs, E. ALTZA. Szollosi, I.; Bozo, A.; Mocsi, Z.; Gosztola, F. Budapest, Hirlapkiado Vallalat. Allattenyeszes es takarmanyozas. = Animal breeding and feeding. 1981. v. 30 (4). p. 305-310. 23 ref. (NAL Call No.: 49 AL57).

0354

Practical advice for poultry farmers. RUSSIAN.

Bessarabov, Boris Filippovich. Moskva Rossej'khozizdat 1974. 45 p. (NAL Call No.: SF487.B46).

(ANIMAL PRODUCTION)

0355

The problem of welfare in poultry rearing (Laws on animal welfare in Italy). ITALIAN.
Samoggia, G. Bologna, Edagricole. Informatore zootecnico. Dec 31, 1979. v. 26 (24). p. 20-22. ill. (NAL Call No.: 49 IN3).

0356

Productivity of cows affected by their transfer to complexes at different stages of lactation (Establishment of dairy cattle herds, behavior aspects). Russian.

Petrusha, E. Moskva : "Kolos". Molochnoe i miasnoe skotovodstvo. June 1981. June 1981. (6). p. 10-11. (NAL Call No.: 43.8 M73).

0357

Quantifying well-being in farm animals (Ethological methods, behavior, husbandry). Putten, G. van. Utrecht, Nederlandse Maatschappij voor Diergeneeskunde. Tijdschrift voor diergeneeskunde. Feb 1, 1981. v. 106 (3). p. 106-118. ill. 8 ref. (NAL Call No.: 41.8 T431).

0358

Rearing fattening steers on slatted floors (Includes behavior). GERMAN.
Graf, B. Braunschweig, Bundesforschungsanstalt fur Landwirtschaft. Landbauforschung Volkenrode. 1979. 1979. (special no.48). p. 73-88. ill. (NAL Call No.: 18 L2353).

0359

Rearing method and sucking behavior in cattle (Behavioral disturbance, cows, udder sucking, Netherlands). Dutch.
Geer, D. van deBDWKA. Grommers, F.J. Den Haag : Ministerie van Landbouw en Visserij. Bedrijfsontwikkeling. May 1983. v. 14 (5). p. 387-388. (NAL Call No.: S11.B43).

0360

Resting behavior and other activities of calves fattened in modern systems of maintenance (Fattening performance, housing). German.
Reissig-Berner, F. Bogner, H.; Hinrichsen, J.K.; Averdunk, G.; Peschke, W.; Fuseder, J. Munchen, BLV Verlagsgesellschaft. Bayerisches landwirtschaftliches Jahrbuch. 1982. v. 59 (1). p. 30-73. ill. 1 p. ref. (NAL Call No.: 18 L24).

0361

Results of qualitative and quantitative studies on behavior, performance and physiological-anatomical status of laying hens in different rearing systems (barnyard, floor and cage rearing). German.

Wegner, R.M. Hildesheim, W. Ger. : Arbeitsgemeinschaft Deutscher Tierzüchter. Der Tierzüchter. Oct 25, 1982. v. 34 (10). p. 416-418. (NAL Call No.: 49 T445).

0362

Some physiological peculiarities and alimentary behavior connected to the regime of illumination of broiler chickens grown in batteries (Weight gain, effects of feeding). ROMANIAN.

Boisteanu, I. Folea, O.; Boisteanu, A.; Brezuleanu, S.; Cocos, L.; Margarint, I. Iasi, (s.n.). Lucrari stiintifice. Seria Zootehnice Medicina veterinara. 1978. 1978. p. 71-72. 4 ref. (NAL Call No.: SF695.R615).

0363

Sow behavior in service stalls and gilt-rearing stalls. GERMAN.
Lorenz, Josef. Frankfurt (Main) DLG-Verlag c1979. 47 p. : ill. --. Bibliography: p. 46-47. (NAL Call No.: 18 D48 v.162).

0364

Stabilization of behavior of young Romania Brown breed cows on pasture (Romania, effects of grazing at various altitudes and seasons on liveweight gain).

Mihai, G. Serban, D.; Barbura, T.; Stoica, O. Cluj-Napoca, (s.n.), 1980. Lucrarile sectiei de ameliorare si tehnologie de crestere la taurine si ovine / (colectiv de redactiv Petre Adrian, Velea Constantin ; sef lucr. Morar Roman ; tehnoredactor: Sopa Sorin). Simpozionul "Probleme de Ameliorare, Tehnologie de Crestere si Patologie la Taurine si Ovine")1979 : Cluj-Napoca, Rumania). p. 121-128. ill. 4 ref. (NAL Call No.: SF201.S53).

0365

Stable climate and behavior in baby pigs. DANISH.

Feeenstra, A. København, Danmarks Jordbruksvidenskabelige Kandidatforbund. Ugeskrift for jordbrug. Nov 22, 1979. v. 124 (47). p. 1129, 1131-1133, 1135. ill. 4 ref. (NAL Call No.: S11.U35).

(ANIMAL PRODUCTION)

0366

Stimulation of reproduction in sows with rearing measures (Estrus, housing conditions, behavior, single and group rearing). German. Hoogerbrugge, A. Salden, N.T.C.J.; Hemsworth, P.H. Hildesheim, Arbeitsgemeinschaft Deutscher Tierzüchter. Der Tierzüchter. Nov 25, 1981. v. 33 (11). p. 478-480. (NAL Call No.: 49 T445).

0367

Studies on the influence of two kinds of cleft floors on the behavior of calves and hoof horn detrition. Polish. Winnicki, S. MDWTA. Suess, M.; Koller, G. Warszawa : Państwowe wydawnictwo rolnicze i leśne. Medycyna weterynaryjna. Apr 1983. v. 39 (4). p. 251-253. ill. Includes references. (NAL Call No.: 41.8 M463).

0368

Study of behavior of fattening swine with regard to floor types and population density. GERMAN. Steiger, A. Tschanz, B. Zurich, Gesellschaft Schweizerischer Tierärzte. Schweizer Archiv für Tierheilkunde. Mar 1979. v. 121 (3). p. 109-126. ill. Bibliography p. 125-126. (NAL Call No.: 41.8 SCH9).

0369

Study of some behavior reactions and milk productivity of cows raised with and without staying in after-calving section. II. Milk productivity. Bulgarian. ZHVNA. Dimitrova, P. Tosiev, A.; Nikolaev, B. Sofia : Bulgarska akademija na naukite. Zhivotnovudni nauki = Animal science. 1984. v. 21 (3). p. 86-92. ill. Includes 13 references. (NAL Call No.: DNAL 49 Z65).

0370

Study of the behavior of artificially motherless reared sheep using feeding methods. German. May, Ursula, 1956-. Giessen : s.n., 1986. English summary. Includes vita. 166 p. : ill. ; 21 cm. Bibliography: p. 154-166. (NAL Call No.: DNAL 105.8 G36 1986 no.3).

0371

Study on some behavior reactions and milk productivity of cows raised with and without staying in an after-calving section. I. Ethological studies. Bulgarian. ZHVNA. Dimitrova, P. Tosiev, A. Sofia : Bulgarska akademija na naukite. Zhivotnovudni nauki = Animal science. 1984. v. 21 (3). p. 79-85. ill. Includes 6 references. (NAL Call No.: DNAL 49 Z65).

0372

Study on the behavior of early weaned piglets reared in onestorey cages and veranda type boxes. BULGARIAN. Benkov, M. Vuzharova, L. Sofiia, Bulgarska akademija na naukite. Zhivotnovudni nauki = Animal science. 1979. v. 16 (6). p. 50-54. 11 ref. (NAL Call No.: 49 Z65).

0373

Sucking behavior and early immune protection in the mother-cow rearing. German. Schmidt, F.W. Hildesheim, W. Ger. : Arbeitsgemeinschaft Deutscher Tierzüchter. Der Tierzüchter. May 1984. v. 36 (5). p. 204-206. ill. (NAL Call No.: 49 T445).

0374

Summary report on experiments carried out at the Strickhof, Eschikon comparing the productivity and the behavior of laying hens in cages and on litter (Switzerland). German. Thomann, W. Bern, Benteli. Schweizerische landwirtschaftliche Monatshefte. July 1981. v. 59 (7). p. 261-273. (NAL Call No.: 17 SCH93).

0375

Supply of requirements and avoidance of harm in the horse with regard to feeding, locomotion, social behavior, and evasion from inimical contacts. German. Zeeb, K. Hannover, W. Ger. : Bundesverband praktischer Tierärzte. Der praktische Tierarzt. May 1, 1984. v. 65 (5). p. 432-434, 436, 439. Includes references. (NAL Call No.: 41.8 P882).

0376

Swine-housing--rational and humane. Hofmeier, G. Frankfurt am Main, DLG-Verlag. DLG-Mitteilungen - Deutsche Landwirtschafts-Gesellschaft. June 4, 1981. v. 96 (11). p. 592-594, 596-597. ill. (NAL Call No.: 18 N39).

0377

Animal boredom: is a scientific study of the subjective experiences of animals possible?
 Wemelsfelder, F. Boston : Martinus Nijhoff Publishers. Advances in animal welfare science. 1984 (pub. 1985). p. 115-154. Includes references. (NAL Call No.: DNAL HV4701.A34).

RB125.C68 1985).

0378

A chronology of significant events, meetings, and publications concerning the welfare of laboratory and farm animals.

Rowan, A.N. Washington, D.C. : Institute for the Study of Animal Problems. International journal for the study of animal problems. May/Apr 1981. v. 2 (2). p. 60-67. Includes references. (NAL Call No.: DNAL HV4701.I49).

0383

Hoofed stock: horses.

Stein, S. Kintner, B.A. Joliet, Ill. : American Association for Laboratory Animal Science, c1984. Manual for assistant laboratory animal technicians / edited by Walter B. Sapanski, Jr., and John E. Harkness. p. 310-319, 423-424. ill. Includes references. (NAL Call No.: DNAL SF77.M35).

0384

Hoofed stock: sheep and goats.

Williams, C.S.F. Joliet, Ill. : American Association for Laboratory Animal Science, c1984. Manual for assistant laboratory animal technicians / edited by Walter B. Sapanski, Jr., and John E. Harkness. p. 280-292, 422-423. ill. Includes references. (NAL Call No.: DNAL SF77.M35).

0379

Endocrine aspects of stress: central and peripheral mechanisms.

CTVSD. Oliverio, A. Dordrecht : Martinus Nijhoff Publishers. Current topics in veterinary medicine and animal science. In the series analytic: Biology of stress in farm animals: an integrative approach / edited by P.R. Wiepkema and P.W.M. van Adrichem. A seminar in the CEC programme of coordination research on animal welfare, April 17-18, 1986, Oosterbeek, Netherlands. 1987. v. 42. p. 3-12. ill. Includes references. (NAL Call No.: DNAL SF600.C82).

0385

Hoofed stock: swine.

Horstman, V.G. Joliet, Ill. : American Association for Laboratory Animal Science, c1984. Manual for assistant laboratory animal technicians / edited by Walter B. Sapanski, Jr., and John E. Harkness. p. 293-309, 423. ill. Includes references. (NAL Call No.: DNAL SF77.M35).

0380

European Parliament condemns crates, battery cages and sow stalls but US guide condones them.

Washington, D.C. : The Institute. The Animal Welfare Institute quarterly. Fall 1987. v. 36 (3). p. 16-17. ill. (NAL Call No.: DNAL HV4761.A5).

0386

Interaction of hormonal and experiential influences on development of behavior.

Lehrman, D.S. New York : Hafner Pub. Co., 1968 i.e. 1969 c1962. Roots of behavior : genetics, instinct, and socialization in animal behavior / by thirty-one authors; edited by Eugene L. Bliss. p. 142-156. Includes references. (NAL Call No.: DNAL QL751.R69).

0381

Farm animals under the vivisector's knife.

Mason, J. Chicago, Ill. : The Society. Bulletin--the National Anti-Vivisection Society. 1986. (2). p. 7-9, 18. ill. (NAL Call No.: DNAL HV4701.B8).

0387

Laboratory methodology and management of swine in biomedical research.

Panepinto, L.M. New York : Plenum Press, c1986. Swine in biomedical research / edited by M.E. Tumbleson. Proceedings of a conference on Swine in Biomedical Research, June 17-20, 1985, Columbia, Missouri. Literature review. p. 97-109. ill. Includes references. (NAL Call No.: DNAL RB125.C68 1985).

0382

Home-cage visual discrimination device for miniature swine.

Sobotka, T.J. Brown, R.H. New York : Plenum Press, c1986. Swine in biomedical research / edited by M.E. Tumbleson. Proceedings of a conference on Swine in Biomedical Research, June 17-20, 1985, Columbia, Missouri. p. 89-94. ill. Includes references. (NAL Call No.: DNAL

L110

0388

The pig: a concise source of information.
Mersmann, H.J. Boca Raton, Fla. : CRC Press,
1986. Swine in cardiovascular research /
editors, Hubert C. Stanton, Harry J. Mersmann.
v. 1 p. 1-9. Includes references. (NAL Call
No.: DNAL RC669.S87).

0389

**Plasma-testosterone development in colony and
individually housed male guinea pigs.**
Sachser, N. Prove, E. Berlin, W. Ger. : Paul
Parey. Ethology. Sept 1988. v. 79 (1). p.
62-70. Includes references. (NAL Call No.: DNAL
QL750.E74).

0390

**A study of the investigatory behavior of the
dairy cow.**
Nielsen, M.A. Luescher, U.A. Amsterdam :
Elsevier Science Publishers, B.V. Applied
animal behaviour science. Nov 1988. v. 21 (3).
p. 191-200. Includes references. (NAL Call No.:
DNAL QL750.A6).

ANIMAL GENETICS

0391

Aggressive behavior of sows at parturition.
JANSAG. Steen, H.A.M. van der. Schaeffer, L.R.;
Jong, H. de; Groot, P.N. de. Champaign, Ill. :
American Society of Animal Science. Journal of
animal science. Feb 1988. v. 66 (2). p.
271-279. Includes references. (NAL Call No.:
DNAL 49 J82).

0392

**An analysis of factors influencing spatial
distribution in flocks of grazing sheep.**
Arnold, G.W. Maller, R.A. Amsterdam : Elsevier
Science Publishers B.V. Applied animal
behaviour science. July 1985. v. 14 (2). p.
173-189. Includes 7 references. (NAL Call No.:
DNAL QL750.A6).

0393

Behavioral genetics.
Hohenboken, W.D. Philadelphia, Pa. : W.B.
Saunders Company. The Veterinary clinic of
North America : food animal practice. In the
series analytic: Farm animal behavior / edited
by E.O. Price.~ Literature review. July 1987.
v. 3 (2). p. 217-229. Includes references. (NAL
Call No.: DNAL SF601.V535).

0394

**Behaviour--genetic aspects and its relationship
to performance in poultry (1952-1978).**
Edinburgh, Commonwealth Agricultural Bureaux.
Annotated bibliography. Commonwealth Bureau of
Animal Breeding and Genetics. 1979. 1979.
(352). 32 p. (NAL Call No.: Z7993.C6).

0395

Behaviour genetics in chickens; a review.
Siegel, P.B. Basingstoke, Hants., World's
Poultry Science Association. World's poultry
science journal. Feb/Apr 1979. v. 35 (1). p.
9-19. Bibliography p. 16-19. (NAL Call No.:
47.8 W89).

0396

**The behaviour of calves under four levels of
lighting.**
Dannenmann, K. Buchenauer, D.; Fliegner, H.
Amsterdam : Elsevier Science Publishers B.V.
Applied animal behaviour science. Jan 1985. v.
13 (3). p. 243-258. Includes 28 references.
(NAL Call No.: DNAL QL750.A6).

0397

**Breed differences in pig behavior: effects of
lighting, loading methods.**
Marshall-Nimis, M. St. Paul, Minn. : The
Institute. Official proceedings : annual
meeting - Livestock Conservation Institute.
1986. p. 44-46. (NAL Call No.: DNAL 280.3409
L75A).

0398

**The buller syndrome in American bison bulls
(Bison bison, social and sexual behavior,
Montana).**
Lott, D.F. Amsterdam : Elsevier. Applied animal
ethology. Nov 1983. v. 11 (2). p. 183-186.
Includes references. (NAL Call No.: QL750.A6).

0399

**The causal organization of climax (hatching)
behaviour in the domestic fowl (*Gallus
domesticus*).**

Bakhuis, Walter Lewis. Groningen
Rijksuniversiteit 1977. Originally presented as
the author's thesis, Groningen. 144 p. : ill.
Includes bibliographies. (NAL Call No.:
QL696.G27B3).

0400

**Correlations between domestic behavior and
productivity characters in sheep.**

SDGEBZ. Stakan, G.A. New York, N.Y. :
Consultants Bureau. Soviet genetics. Translated
from: Genetika, v. 23 (6), 1987, p. 1113-1119.
(QH431.A1G4). Dec 1987. v. 23 (6). p. 776-780.
Includes references. (NAL Call No.: DNAL
QH431.A1G43).

0401

**Density and group size effects on caged hens of
two genetic stocks differing in escape and
avoidance behavior.**

PDSCL. Okpokho, N.A. Craig, J.V.; Milliken,
G.A. Champaign, Ill. : Poultry Science
Association. Poultry science. Dec 1987. v. 66
(12). p. 1905-1910. Includes references. (NAL
Call No.: DNAL 47.8 AM33P).

0402

**The development of sexual relationships in the
domestic chicken (Aggressiveness, behavior).**
Rushen, J. Amsterdam : Elsevier. Applied animal
ethology. Sept 1983. v. 11 (1). p. 55-66. ill.
Includes references. (NAL Call No.: QL750.A6).

(ANIMAL GENETICS)

0403

Early post-natal behaviour in lambs of ten breeds.

Slee, J. Springbett, A. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. June 1986. v. 15 (3). p. 229-240. Includes references. (NAL Call No.: DNAL QL750.A6).

0404

Effect of cooling on reproductive behaviour in buffaloes (*Bos-bubalis*).

Mehta, S.N. Gangwar, P.C. Cambridge, Cambridge University Press. Journal of agricultural science. Aug 1979. v. 93 (pt.1). p. 249-251. ill. 2 ref. (NAL Call No.: 10 J822).

0405

Effects of composition and density of the group on the performance, behaviour and age at puberty in swine.

Clark, J.R. Bell, R.W.; Tribble, L.F.; Lennon, A.M. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. July 1985. v. 14 (2). p. 127-135. Includes 24 references. (NAL Call No.: DNAL QL750.A6).

0406

Effects of individual vs. group rearing on the sexual behavior of prepuberal beef bulls: mount orientation and sexual responsiveness.

Silver, G.V. Price, E.O. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. June 1986. v. 15 (3). p. 287-294. Includes references. (NAL Call No.: DNAL QL750.A6).

0407

The effects of maternal influences on sheep: breed differences in grazing, resting and courtship behaviour.

Key, C. MacIver, R.M. Amsterdam : Elsevier North-Holland. Developments in animal and veterinary sciences. 1985. v. 18. p. 415-430. ill. Includes 20 references. (NAL Call No.: DNAL QL1.D48).

0408

Effects of sex, strain and type of perch on perching behaviour in the domestic fowl (Includes genetic aspects).

Faure, J.M. Jones, R.B. Amsterdam, Elsevier. Applied animal ethology. Mar 1982. v. 8 (3). p. 281-293. ill. Includes 7 ref. (NAL Call No.: QL750.A6).

0409

Effects of strains, breeds, laying house environment and age at flock assembly on social behavior and egg production in chickens / by Maddini Ramaiah Choudary. -.

Choudary, Maddini Ramaiah, 1939-. 1971. Thesis (Ph.D.)--Kansas State University, 1971. Photocopy of typescript. Ann Arbor: University Microfilms, 1972. vii, 111 leaves ; 21 cm. Bibliography: leaves 103-111. (NAL Call No.: DISS 72-9,756).

0410

The effects of twinning on mother-offspring behavior in range beef cattle.

Price, E.O. Martinez, C.L.; Coe, B.L. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. Mar 1985. v. 13 (4). p. 309-320. Includes 22 references. (NAL Call No.: DNAL QL750.A6).

0411

Estimation of fear in two lines of the domestic chick: correlations between various methods (Behavior, breeding lines).

Jones, R.B. Mills, A.D. Amsterdam : Elsevier. Behavioural processes. July 1983. v. 8 (3). p. 243-253. Includes references. (NAL Call No.: QL750.B4).

0412

Estrous behaviour of dairy cows in free and tied-stall housing systems.

Pollock, W.E. Hurnik, J.F. Guelph, Ont., Univ. of Guelph, Ontario Agricultural College, Ontario Veterinary College, College of Biological Science. Dairy industry research report. 1979. 1979. 4 p. ill. (NAL Call No.: SF221.D28).

0413

Evidence of heredity of cribbing, weaving and stall-walking in thoroughbred horses.

LPSCD. Vecchiotti, G.G. Galanti, R. Amsterdam : Elsevier Science Publishers B.V. Livestock production science. Feb 1986. v. 14 (1). p. 91-95. ill. Includes references. (NAL Call No.: DNAL SF1.L5).

0414

Fearful behavior by caged hens of two genetic stocks (White Leghorn chickens).

Craig, J.V. Craig, T.P.; Dayton, A.D. Amsterdam : Elsevier. Applied animal ethology. May 1983. v. 10 (3). p. 263-273. Includes references. (NAL Call No.: QL750.A6).

(ANIMAL GENETICS)

0415

Genetic analysis of strain differences in pre-laying behaviour in battery cages.
BPDSA. Mills, A.D. Wood-Gush, D.G.M.; Hughes, B.O. Harlow, Essex : Longman. British poultry science. Apr 1985. v. 26 (2). p. 187-197. Includes references. (NAL Call No.: DNAL 47.8 B77).

0416

Genetic variation in feather-pecking behaviour (Chicks).
Cuthbertson, G.J. Harlow, Essex, Eng., Longman. British poultry science. Nov 1980. v. 21 (6). p. 447-450. 10 ref. (NAL Call No.: 47.8 B77).

0417

Genetic variation in milk drinking behaviour of calves.
Tomar, S.S. Karnal : Agricultural Research Communication Centre. Asian journal of dairy research. Mar 1982. v. 1 (1). p. 59-62. Includes references. (NAL Call No.: SF105.A84).

0418

Genetic variation of the restlessness before oviposition of laying hens in single cages.
Heil, G. Darmstadt : Kuratorium fur Technik und Bauwesen in der Landwirtschaft, 1984? . Proceedings of the International Congress on Applied Ethology in Farm Animals, Kiel, 1984 / edited by J. Unshelm, G. van Putten and K. Zeeb ; sponsored by the Federal Ministry of Food, Agriculture and Forestry. p. 52-55. Includes references. (NAL Call No.: DNAL SF756.7.I5 1984).

0419

Growth-associated traits in parental and F1 populations of chickens under different feeding programs. 3. Eating behavior and body temperatures.
PDSCAL. Dunnington, E.A. Nir, I.; Cherry, J.A.; Jones, D.E.; Siegel, P.B. Champaign, Ill. : Poultry Science Association. Poultry science. Jan 1987. v. 66 (1). p. 23-31. Includes references. (NAL Call No.: DNAL 47.8 AM33P).

0420

Heritability of the peep vocalization in White Leghorn-type chicks.
Webster, A.B. Hurnik, J.F. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. Dec 1987. v. 19 (1/2). p. 157-168. Includes references. (NAL Call No.: DNAL QL750.A6).

0421

Identification of sexually low-response rams using a libido test and their performance when allowed to mate under field conditions.
SAJAC9. Crichton, J.S. Lishman, A.W. Pretoria : South African Society of Animal Production. South African journal of animal science = Suid-Afrikaanse tydskrif vir veekeunde. Dec 1984. v. 14 (4). p. 177-178. Includes references. (NAL Call No.: DNAL SF1.S6).

0422

Influence of genetic and non-genetic factors on temperament score and other traits of dairy management (Behaviour of Murrah Buffaloes, Karan Swiss and Karan Fries dairy cows).
Roy, P.K. Nagpaul, P.K. New Delhi : Indian Council of Agricultural Research. The Indian journal of animal sciences. June 1984. v. 54 (6). p. 566-568. Includes references. (NAL Call No.: 41.8 IN22).

0423

The influence of ovine behaviour traits on mating management (Sheep).
Kilgour, R. Palmerston North : The Society. Proceedings of this Society's seminar - New Zealand Veterinary Association, Sheep & Beef Cattle Society. 1983. 1983. (13th). p. 91-102. illl. Includes references. (NAL Call No.: SF371.N49).

0424

Influence of rearing conditions on subsequent social behaviour of Friesian and Salers heifers from birth to six months of age (Breeds, dominance, social hierarchy).
Le Neindre, P. Sourd, C. Amsterdam : Elsevier. Applied animal behaviour science. Mar 1984. v. 12 (1/2). p. 43-52. Includes references. (NAL Call No.: QL750.A6).

0425

Influence of social interaction between rams on their serving capacity (Behavior, mating).
Synnott, A.L. Fulkerson, W.J. Amsterdam : Elsevier. Applied animal ethology. Jan 1984. v. 11 (3). p. 283-289. Includes references. (NAL Call No.: QL750.A6).

0426

Maternal vocal recognition in lambs born to Jacob and Dalesbred Ewes after embryo transplantation between breeds (Behavior).
Shillito Walser, E. Willadsen, S.; Hague, P. Amsterdam : Elsevier. Applied animal ethology. June 1982. v. 8 (5). p. 479-486. illl. Includes references. (NAL Call No.: QL750.A6).

(ANIMAL GENETICS)

0427

Mating activity and reproductive performance in Merino flocks where ram percentages are 1.0, 0.5 and 0.25 (Ewes, behavior, estrus, New South Wales).

Fowler, D.G. AAAHA. Melbourne Commonwealth Scientific and Industrial Research Organization. Australian journal of experimental agriculture and animal husbandry. Aug 1982. v. 22 (117). p. 268-273. 2 p. ref. (NAL Call No.: 23 AU792).

0428

Mating behaviour of rams in pens.

AAAHA. Kilgour, R.J. Melbourne : Commonwealth Scientific and Industrial Research Organization. Australian journal of experimental agriculture. 1985. v. 25 (2). p. 298-305. Includes 24 references. (NAL Call No.: DNAL 23 AU792).

0429

Overcoming behavioral barriers in mating the Muscovy drake (*Cairina moschata*) with the Pekin duck (*Anas platyrhynchos*).

POSCAL. Gvaryahu, G. Robinzon, B.; Snapir, N. Champaign, Ill. : Poultry Science Association. Poultry science. Feb 1985. v. 64 (2). p. 417-419. Includes references. (NAL Call No.: DNAL 47.8 AM33P).

0430

A preliminary study on breeding-behaviour of Murrah buffaloes in Socialist Republic of Vietnam--pattern of growth in heifers.

IJDPA. Verma, R.P. Pathak, N.N.; Sharma, M.C.; Tein, N.Q.; Thin, C.X.; Thac, N.D.; Vuc, N.V. New Delhi : Indian Dairy Association. The Indian journal of dairy science. Mar 1984. v. 37 (1). p. 76-78. Includes references. (NAL Call No.: DNAL 44.8 IN28).

0431

Productive behaviour of crossbred cows at different stages of a complete lactation under usual practice of feeding.

IJASAA. Nayak, J.B. Maitra, D.N. New Delhi : Indian Council of Agricultural Research. The Indian journal of animal sciences. Sept 1985. v. 55 (9). p. 828-831. Includes references. (NAL Call No.: DNAL 41.8 IN22).

0432

Productive behaviour of Lyallpur Silver Black and Fayoumi breed of poultry.

Mahmood, S. Chaudhry, M.R.; Ahmad, M.D.; Siddiqi, M.Z. Faisalabad : Faculty of Veterinary Science, University of Agriculture. Pakistan veterinary journal. Oct 1984. v. 4 (4). p. 223-226. Includes references. (NAL Call No.: DNAL SF604.P32).

0433

A quantitative study of pre-ovulatory behaviour in cattle (British Friesian heifers).

Esslemont, R.J. Glencross, R.G. Amsterdam, Elsevier. Applied animal ethology. Jan 1980. v. 6 (1). p. 1-17. ill. 19 ref. (NAL Call No.: QL750.A6).

0434

Recorded sounds associated with feeding did not affect feeding behavior of lambs.

Tanida, H. Hohenboken, W.D.; Swanson, L.V. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. Jan 1985. v. 13 (3). p. 275-281. Includes 15 references. (NAL Call No.: DNAL QL750.A6).

0435

Relation of appetite behaviour with milk yield in crossbred and Red Sindhi cows and Murrah buffaloes.

IJDPA. Panda, P.K. Mishra, M.; Nayak, J.B. New Delhi : Indian Dairy Association. The Indian journal of dairy science. Mar 1984. v. 37 (1). p. 16-19. Includes references. (NAL Call No.: DNAL 44.8 IN28).

0436

Relationships between parameters of the open field test of cows and their milk production in loose housing (Behavior, breeds, milk yields, Czechoslovakia).

Kovalcikova, M. Kovalcik, K. Amsterdam : Elsevier. Applied animal ethology. Dec 1982. v. 9 (2). p. 121-129. ill. Includes references. (NAL Call No.: QL750.A6).

0437

Repeatability of semen production and libido score in young beef bulls.

UAABB. Makarechian, M. Farid, A. Edmonton : The Faculty. Agriculture & forestry bulletin - Alberta University. Faculty of Extension. June 15, 1984. p. 35-36. (NAL Call No.: DNAL 101 AL1A).

(ANIMAL GENETICS)

0438

Reproductive behaviour in survival: a comparison between wild and domestic sheep.
AJBSAM. Lindsay, D.R. East Melbourne : Commonwealth Scientific and Industrial Research Organization. Australian journal of biological sciences. 1988. v. 41 (1). p. 97-102. Includes references. (NAL Call No.: DNAL 442.8 AU72).

0439

Resting behaviour of Belgian White-Blue and Friesian fattening bulls in a tie-stall barn.
Nicks, B. Dechamps, P.; Canart, B.; Istasse, L. Amsterdam : Elsevier Science Publishers, B.V. Applied animal behaviour science. Nov 1988. v. 21 (3). p. 259-266. Includes references. (NAL Call No.: DNAL QL750.A6).

0440

Seasonal changes in the home range and the size of harem groups of Misaki horses (Pasture grazing, behavior, Japan).
Kaseda, Y.NICKA. Tokyo : Nihon Chikusan Gakkai. Nihon Chikusan Gakkai ho = Japanese journal of zootechnical science. Apr 1983. v. 54 (4). p. 254-262. illl., maps. Includes references. (NAL Call No.: 49 N62).

0441

Separation and independence of offsprings from the harem groups in Misaki horses.
NICKA3. Kaseda, Y. Nozawa, K.; Mogi, K. Tokyo : Nihon Chikusan Gakkai. Nihon Chikusan Gakkai ho = Japanese journal of zootechnical science. Nov 1984. v. 55 (11). p. 852-857. Includes 12 references. (NAL Call No.: DNAL 49 N62).

0442

Separation of ewes from twin lambs: incidence in several sheep breeds.
Alexander, G. Stevens, D.; Kilgour, R.; De Langen, H.; Mottershead, B.E.; Lynch, J.J. Amsterdam : Elsevier North-Holland. Developments in animal and veterinary sciences. 1985. v. 18. p. 125-141. Includes 21 references. (NAL Call No.: DNAL QL1.D48).

0443

Separation of ewes from twin lambs: incidence in several sheep breeds (Behavior, New South Wales, New Zealand).
Alexander, G. Stevens, D.; Kilgour, R.; De Langen, H.; Mottershead, B.E.; Lynch, J.J. Amsterdam : Elsevier. Applied animal ethology. July 1983. v. 10 (4). p. 301-317. illl. Includes references. (NAL Call No.: QL750.A6).

0444

The situation of behaviour genetics in farm animals.

Bessei, W. Darmstadt : Kuratorium fur Technik und Bauwesen in der Landwirtschaft. 1984? . Proceedings of the International Congress on Applied Ethology in Farm Animals, Kiel, 1984 / edited by J. Unshelm, G. van Putten and K. Zeeb ; sponsored by the Federal Ministry of Food, Agriculture and Forestry. Literature review. p. 33-39. Includes references. (NAL Call No.: DNAL SF756.7.I5 1984).

0445

Social behaviour of farm animals as it relates to parturition and mating.

Kilgour, R. Clovis, Calif., Agriservices Foundation. Beef cattle science handbook. 1981. v. 18. p. 154-162. illl., maps. (NAL Call No.: SF207.B4).

0446

Social behaviour of the calves of semi-wild Maremma cattle, Bos primigenius taurus.

Vitale, A.F. Tenucci, M.; Papini, M.; Lovari, S. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. Nov 1986. v. 16 (3). p. 217-231. illl. Includes references. (NAL Call No.: DNAL QL750.A6).

0447

Social interactions and induced behavioural reactions in milk-fed female calves.

Canali, E. Verga, M.; Montagna, M.; Baldi, A. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. Nov 1986. v. 16 (3). p. 207-215. Includes references. (NAL Call No.: DNAL QL750.A6).

0448

Some observations on the role of environment and genetics in behaviour of wild and domestic forms of Sus scrofa (European wild boars and domestic pigs).

Robert, S. Dancosse, J.; Dallaire, A. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. June 1987. v. 17 (3/4). p. 253-262. Includes references. (NAL Call No.: DNAL QL750.A6).

0449

A statistical analysis of the structure of bleats from sheep of four different breeds (Communication, social behavior, England).

Walser, E.S. Walters, E.; Hague, P. Leiden, E.J. Brill. Behaviour. 1981. v. 77 (pt.1/2). p. 67-76. 9 ref. (NAL Call No.: 410 B393).

(ANIMAL GENETICS)

0450

Studies of the relationship between fear-related responses and production traits in Japanese quail (*Coturnix coturnix japonica*) bidirectional selected for dustbathing activity.

POSCAL. Gerken, M. Bamberg, H.; Petersen, J. Champaign, Ill. : Poultry Science Association. Poultry science. Oct 1988. v. 67 (10). p. 1363-1371. Includes references. (NAL Call No.: DNAL 47.8 AM33P).

0451

Suckling activity and calf growth in a group of crossbred cows each rearing two foster calves (Behavior).

Rosecrans, J.G. Hohenboken, W.D. Amsterdam : Elsevier. Applied animal ethology. Dec 1982. v. 9 (2). p. 131-140. Includes references. (NAL Call No.: QL750.A6).

0452

Testosterone-induced precocious sexual behavior in chickens differing in adult mating frequency.

Benoit, F.H. Amsterdam, Elsevier. Behavioural processes. Apr 1979. v. 4 (1). p. 35-41. ill. 16 ref. (NAL Call No.: QL750.B4).

0453

Time of mating behavior by males from lines of chickens selected for high and low mating frequency.

Blohowiak, C.C. Van Krey, H.P. Champaign, Ill. : Poultry Science Association. Poultry science. Aug 1984. v. 63 (8). p. 1677-1678. Includes references. (NAL Call No.: 47.8 AM33P).

0454

Time spent in shade and its relationship with physiological factors of thermoregulation in three breeds of cattle.

Bennett, L.L. Finch, V.A.; Holmes, C.R. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. Jan 1985. v. 13 (3). p. 227-236. Includes 14 references. (NAL Call No.: DNAL QL750.A6).

0455

Two year cattle reproduction and production cycle.

Brown, D.R. Macon, Ga. : Georgia Cattlemen's Association. Georgia cattleman. Feb 1986. v. 14 (2). p. 20. ill. (NAL Call No.: DNAL SF191.G4).

0456

Variation in hormonal feedback and reproductive performance in rams of different genotypes from birth through puberty.

THGNB. Glatzel, P. Stoneham, Mass. : Butterworth Publishers. Theriogenology. Oct 1988. v. 30 (4). p. 763-776. Includes references. (NAL Call No.: DNAL QP251.A1T5).

0457

Variations in the strength of maternal behaviour and its conflict with flocking behaviour in Dalesbred, Jacob and Soay ewes.

Shillito, E. Hague, W.P.; Yeomans, M. Amsterdam : Elsevier North-Holland. Developments in animal and veterinary sciences. 1985. v. 18. p. 153-158. Includes 8 references. (NAL Call No.: DNAL QL1.D48).

0458

Variations in the strength of maternal behaviour and its conflict with flocking behaviour in Dalesbred, Jacob and Soay ewes (Sheep breeds).

Shillito Walser, E. Hague, P.; Yeomans, M. Amsterdam : Elsevier. Applied animal ethology. May 1983. v. 10 (3). p. 245-250. ill. Includes references. (NAL Call No.: QL750.A6).

0459

What makes a good mother?: components and comparative aspects of maternal behaviour in ungulates.

Alexander, G. Sydney : Pergamon Press. Proceedings of the Australian Society of Animal Production. 1988. v. 17. p. 25-41. Includes references. (NAL Call No.: DNAL 49.9 AU72).

0460

Why do cows mount other cows?.

Baker, A.E.M. Seidel, G.E. Jr. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. Jan 1985. v. 13 (3). p. 237-241. Includes 25 references. (NAL Call No.: DNAL QL750.A6).

0461

Behavior of cows of different genotypes in closed dairy units in a tied-down system.

Hungarian.
Gere, T. Gyorkos, I.; Horvath, R.; Rado, G. Budapest : Hirlapkiado Vallalat.
Allattenyesztes es takarmanyozas = Animal breeding and feeding. 1983. v. 32 (1). p. 39-43. Includes references. (NAL Call No.: 49 AL57).

(ANIMAL GENETICS)

0462

Behavior of Ile-de-France rams reared in different conditions in an open-field test (Breed, sexual behavior). French.
Lachaux, M. Bouissou, M.F.; Berges, J.C.; Orgeur, P. Paris : Masson. Biology of behaviour. 1983. v. 8 (3). p. 257-279. ill. Includes references. (NAL Call No.: QL750.B52).

0463

Behaviour of calves of the Estonian Red Breed under different ways of management. Russian.
Kaarupun, V. Tartu, Akadeemia. Sbornik nauchnykh trudov Estonskoi sel'skokhoziaistvennoi akademii. = Transactions of Estonian Agricultural Academy. 1980. 1980. (130). p. 12-19. 16 ref. (NAL Call No.: 106 ES83).

0464

Effect of crossbreeding on the thermoregulatory behavior of pigs (Breeds, tropical conditions, Brazil). Portuguese.
Macari, M.CCUPA. Sao Paulo : A Sociedade. Ciencia e cultura - Sociedade Brasileira para o Progresso da Ciencia. Aug 1983. v. 35 (8). p. 1146-1151. ill. includes references. (NAL Call No.: Q33.C5).

0465

Effect of factors of management on the production and behaviour of cows of different genotype. Hungarian.
Czako, J. ALTZA. Dohy, J.; Guba, S.; Pojtnar, M.; Santha, Mrs. T. Budapest, Hirlapkiado Vallalat. Allattenyeszes es takarmanyozas. = Animal breeding and feeding. 1981. v. 30 (3). p. 225-237. ill. 14 ref. (NAL Call No.: 49 AL57).

0466

Effects of stress on sexual behavior in sheep (Artificial insemination).
Barbura, T. Bogdan, A.T.; Salantiu, D.; Constantinescu, E.; Timen, S. Cluj-Napoca, (s.n.), 1980. Lucrările sectiei de ameliorare si tehnologie de crestere la taurine si ovine / (colectiv de redactie Petre Adrian, Velea Constantin ; sef lucr. Morar Roman ; tehnoredactor: Sopa Sorin). Simpozionul "Probleme de Ameliorare, Tehnologie de Crestere si Patologie la Taurine si Ovine")1979 : Cluj-Napoca, Rumania). p. 284-288. (NAL Call No.: SF201.S53).

0467

Genetic analysis of open field behaviour of the young chick (*Gallus gallus domesticus*). French.
Faure, J.M. AGQSA. Paris : Institut national de la recherche agronomique. Annales de genetique et de selection animale. 1982. Literatur review. v. 14 (2). p. 187-212. 54 ref. (NAL Call No.: QH431.A1A52).

0468

Genetic analysis of the open-field behavior of the young chick (*Gallus gallus domesticus*). Serbo-Croatian (Roman).
Faure, J.M. VTRNA. Sarajevo : NISRO Oslobodenje. Veterinaria : zbornik radova iz oblasti animalne proizvodnje = Periodical on the animal production. 1981. v. 30 (3/4). p. 499-525. ill. 51 ref. (NAL Call No.: 41.8 V6494).

0469

Genetic principles of poultry behaviour. Russian.
Sergeeva, V.D. Moskva : "Kolos". Sel'skoe khoziaistvo za rubezhom. Jan 1981. Jan 1981. (1). p. 50-53. Includes references. (NAL Call No.: S13.S45).

0470

Inborn and barn-adapted rest behavior in dairy cows. German.
Andreae, U. Regier, R.; Smidt, D. Hildesheim, W. Ger. : Arbeitsgemeinschaft Deutscher Tierzüchter. Der Tierzüchter. Nov 25, 1982. v. 34 (11). p. 466, 471-472. ill. Includes references. (NAL Call No.: 49 T445).

0471

The influence of selection in different management systems on performance, behavior and physiological parameters of laying hens. 1. German.

Scholtyssek, S. Gschwindt-Ensinger, B.; Bessei, W. Stuttgart, W. Ger. : Eugen Ulmer. Archiv für Geflügelkunde = European poultry science = Revue de science avicole européenne. June 1983. v. 47 (3). p. 110-123. ill. Includes references. (NAL Call No.: 47.8 AR2).

0472

Information on the behavior of the Polwarth and Corriedale sheep breeds in Romania.
Dermengi, B. Bucuresti, Ministerul Agriculturii si Industriei Alimentare. Revista de creșterea animalelor. Dec 1978. v. 28 (12). p. 9-14. ill. (NAL Call No.: 49 P943).

(ANIMAL GENETICS)

0473

Reproductive behaviour of Devon cows in range conditions with or without feed supplements in the winter (Rio Grande do Sul, Brazil).
Freitas, E.A.G. de. Ferreira, F.C. Porto Alegre. Anuario tecnico do Instituto de Pesquisas ZootecnicasInstituto de Pesquisas Zootecnicas. Aug 1978. v. 5 (1). p. 131-172. ill. 8 ref. (NAL Call No.: SF27.B7I5).

0474

Research procedures of different rearing systems of laying hens. German.
Sodeikat, Gunter. Frankfurt (Main) : R.G. Fischer, 1983. 182 p. ; ill. (some folded) ; 21 cm. Bibliography: p. 99-107. (NAL Call No.: DNAL SF493.5.S6).

0475

Study of the behavior of Tsigai and Romney-Marsh sheep breeds (Romania).
Salantiu, V. Maier, R. Cluj-Napoca, (s.n.), 1980. Lucrările sectiei de ameliorare si tehnologie de crestere la taurine si ovine / (colectiv de redactie Petre Adrian, Velea Constantin ; sef lucr. Morar Roman ; tehnoredactor: Sopa Sorin). Simpozionul "Probleme de Ameliorare, Tehnologie de Crestere si Patologie la Taurine si Ovine")1979 : Cluj-Napoca, Rumania). p. 278-283. ill. (NAL Call No.: SF201.S53).

0476

Variability, heritability and behavior repeatability of dairy cows. Czech.
Macha, J. Dvorak, J.; Kimpl, M. Praha, Ustav. Zivocisna výroba - Ceskoslovenska akademie zemedelska, Ustav vedeckotechnickych informaci pro zemedelstvi. Oct 1981. v. 26 (10). p. 735-741. ill. 7 ref. (NAL Call No.: 49.9 C33).

0477

Variations in behaviour and pulsation in cows of different breeds under acoustic stress. German.
Kovalcik, K. Kovalcikova, M.; Flak, P. Berlin, Akademie der Landwirtschaftswissenschaften der Deutschen Demokratischen Republik. Archiv fur Tierzucht. 1981. v. 24 (6). p. 511-520. ill. Includes 7 ref. (NAL Call No.: 49 AR23).

ANIMAL REPRODUCTION

0478

Aggressive behavior associated with naturally elevated serum testosterone in mares (Horses).
Beaver, B.V. Amross, M.S., Jr. Amsterdam : Elsevier. Applied animal ethology. June 1982. v. 8 (5). p. 425-428. Includes references. (NAL Call No.: QL750.A6).

0479

Aggressive behavior of sows at parturition.
JANSAG. Steen, H.A.M. van der. Schaeffer, L.R.; Jong, H. de; Groot, P.N. de. Champaign, Ill. : American Society of Animal Science. Journal of animal science. Feb 1988. v. 66 (2). p. 271-279. Includes references. (NAL Call No.: DNAL 49 J82).

0480

Behaviour at parturition and lamb survival of Booroola Merino sheep.
LPSCD. Owens, J.L. Bindon, B.M.; Edey, T.N.; Piper, L.R. Amsterdam : Elsevier Science Publishers B.V. Livestock production science. Dec 1985. v. 13 (4). p. 359-372. ill. Includes references. (NAL Call No.: DNAL SF1.L5).

0481

Behaviour in relation to reproduction, management and welfare of farm animals : proceedings of a symposium held at the University of New England, Armidale, N.S.W., Australia, September, 1979 / edited by Manika Wodzicka-Tomaszewska, T.N. Edey and J.J. Lynch.
Wodzicka-Tomaszewska, Manika.; Edey, T. N.; Lynch, J. J. (Armidale, N.S.W., Australia University of New England) 1980. 202 p. ; ill. ; 28 cm. --. Includes bibliographies. (NAL Call No.: S405.R8 no.4).

0482

Behaviour of cows in heat under large-scale conditions.
AASHA. Czako, J. Santha, T.; Keszthelyi, T. Budapest : Akademia Kiado. Acta agronomica Academiae Scientiarum Hungaricae. 1985. v. 34 (3/4). p. 358-363. Includes references. (NAL Call No.: DNAL 19 AC8).

0483

Behaviour of the ewe and lamb at lambing and its relationship to lamb mortality.
Arnold, G.W. Morgan, P.D. Amsterdam : Elsevier North-Holland. Developments in animal and veterinary sciences. 1985. v. 18. p. 97-118. Includes 28 references. (NAL Call No.: DNAL QL1.D48).

0484

Behavioural and reproductive strategies in wild forms of *Sus scrofa* (European wild boar and feral pigs).
Mauget, R. CTVSD. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1981. Paper presented at the Seminar in the EEC Programme of Coordination of Research on Animal Welfare, Brussels, November 25-26, 1980. v. 11. p. 3-15. ill. Includes references. (NAL Call No.: SF600.C82).

0485

Body size and body condition effects on performance and behavior of grazing beef cows.
NURIB. Adams, D.C. Short, R.E.; Knapp, B.W. Los Altos, Calif. : Geron-X, Inc. Nutrition reports international. Feb 1987. v. 35 (2). p. 269-277. Includes references. (NAL Call No.: DNAL RC620.A1N8).

0486

Bored boars: a \$50 million problem.
AGREA. Cooke, L. Washington, D.C. : The Administration. Agricultural research - U.S. Department of Agriculture, Agricultural Research Service. Feb 1988. v. 36 (2). p. 5. (NAL Call No.: DNAL 1.98 AG84).

0487

Comparison of two nesting materials for broiler breeders.
POSCAL. Brake, J. Champaign, Ill. : Poultry Science Association. Poultry science. Dec 1985. v. 64 (12). p. 2263-2266. Includes references. (NAL Call No.: DNAL 47.8 AM33P).

0488

Confinement of sows related to their productivity (Pig housing).
Daelemans, J. Paris : Dept. de pathologie animale de l'Institut national de la recherche agronomique. Annales de recherches vétérinaires = Annals of veterinary research. 1984. Paper presented at the "CEC Workshop on Welfare of Confined Sows," May 26-27, 1983, Rennes, France. v. 15 (2). p. 149-158. ill. Includes references. (NAL Call No.: SF602.A5).

0489

Diurnal patterns of estrous behavior of dairy cows housed in a free stall.
CNJNA. Amyot, E. Hurnik, J.F. Ottawa : Agricultural Institute of Canada. Canadian journal of animal science. Sept 1987. v. 67 (3). p. 605-614. Includes references. (NAL Call No.: DNAL 41.8 C163).

(ANIMAL REPRODUCTION)

0490

Dominance rank, fear scores and reproduction in cockerels.

BPOSA. Shabalina, A.T. Harlow, Essex : Longman. British poultry science. July 1984. v. 25 (3). p. 297-301. Includes references. (NAL Call No.: DNAL 47.8 B77).

0491

Early disturbance of Merino ewes from the birth site increases lamb separations and mortality. Putu, I.G. Poindron, P.; Lindsay, D.R. Sydney : Pergamon Press. Proceedings of the Australian Society of Animal Production. 1988. v. 17. p. 298-301. Includes references. (NAL Call No.: DNAL 49.9 AU72).

0492

Effect of confinement, climatic conditions and litter parity on the seasonal variations of the fertility rate and prolificacy (Sows).

Martinat-Botte, F. Dagorn, J.; Terqui, M.; Dando, P. Paris : Dept. de pathologie animale de l'Institut national de la recherche agronomique. Annales de recherches vétérinaires = Annals of veterinary research. 1984. Paper presented at the "CEC Workshop on Welfare of Confined Sows," May 26-27, 1983, Rennes, France. v. 15 (2). p. 165-172. ill. Includes references. (NAL Call No.: SF602.A5).

0493

The effect of confinement on behaviour and reproductive performance in the sow.

AGPVA. Parry, M.A. London : Agricultural Education Association. Agricultural progress. 1986. v. 61. p. 46-54. Includes references. (NAL Call No.: DNAL 10 AG86).

0494

Effect of feeding time, behavior, and environmental factors on the time of calving in dairy cattle.

JDSCAE. Pennington, J.A.. Albright, J.L. Champaign, Ill. : American Dairy Science Association. Journal of dairy science. Oct 1985. v. 68 (10). p. 2746-2750. Includes 13 references. (NAL Call No.: DNAL 44.8 J822).

0495

Effect of housing system on sow productivity. Lynch, P.B. O'Grady, J.F.; Kearney, P.A. Paris : Dept. de pathologie animale de l'Institut national de la recherche agronomique. Annales de recherches vétérinaires = Annals of veterinary research. 1984. Paper presented at the "CEC Workshop on Welfare of Confined Sows," May 26-27, 1983, Rennes, France. v. 15 (2). p.

181-184. Includes references. (NAL Call No.: SF602.A5).

0496

Effect of improved management on oestrus behaviour in buffaloes.

Harinadhara, C. Rao, C.V.; Naidu, K.N. New Delhi, Indian Dairy Association. The Indian journal of dairy science. Dec 1979. v. 32 (4). p. 489-491. 9 ref. (NAL Call No.: 44.8 IN28).

0497

The effect of rearing environment on sexual behavior of young beef bulls.

Lane, S.M. Kiracofe, G.H.; Craig, J.V.; Schalles, R.R. Champaign : American Society of Animal Science. Journal of animal science. Nov 1983. v. 57 (5). p. 1084-1089. Includes references. (NAL Call No.: 49 J82).

0498

Effect of two confinement (windowless free-stall and conventional tie-stall) systems on estrous and diestrous behavior in dairy cows.

Pollock, W.E. Hurnik, J.F. Ottawa, Agricultural Institute of Canada. Canadian journal of animal science. Dec 1979. v. 59 (4). p. 799-803. ill. 8 ref. (NAL Call No.: 41.8 C163).

0499

The effects of elevated sloped floor farrowing pens compared to conventional farrowing crates on sow and baby pig performance and behavior.

Bonnette, E.D. Swett, L.A.; Kornegay, E.T.; Collins, E.R. Jr. Blacksburg, Va. : The Station. Animal science research report - Virginia Polytechnic Institute and State University, Virginia Agricultural Experiment Station. 1985. (4). p. 114-117. (NAL Call No.: DNAL SF1.A54).

0500

Effects of individual vs. group rearing on the sexual behavior of prepuberal beef bulls: mount orientation and sexual responsiveness.

Silver, G.V. Price, E.O. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. June 1986. v. 15 (3). p. 287-294. Includes references. (NAL Call No.: DNAL QL750.A6).

(ANIMAL REPRODUCTION)

0501

The effects of pregnancy and parity number on behavioural and physiological responses related to the welfare status of individual and group-housed pigs.

Barnett, J.L. Hemsworth, P.H.; Winfield, C.G.; Fahy, V.A. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. June 1987. v. 17 (3/4). p. 229-243. Includes references. (NAL Call No.: DNAL QL750.A6).

0502

Effects of rearing conditions on sexual performance in the ram: practical use.

Casteilla, L. Orgeur, P.; Signoret, J.P. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. Dec 1987. v. 19 (1/2). p. 111-118. illl. Includes references. (NAL Call No.: DNAL QL750.A6).

0503

Effects of thyroxine on prehatching developmental rate and behavior in the chick. Ockleford, E.M. Vince, M.A. Washington, D.C., American Psychological Association. Journal of comparative and physiological psychology. Apr 1980. v. 94 (2). p. 280-288. illl. 26 ref. (NAL Call No.: 410 J822).

0504

The effects of twinning and maternal experience on maternal-filial social relationships in confined beef cattle.

Price, E.O. Smith, V.M.; Thos, J.; Anderson, G.B. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. May 1986. v. 15 (2). p. 137-146. Includes references. (NAL Call No.: DNAL QL750.A6).

0505

Egg-laying pattern of the semi-domesticated helmeted guinea fowl (*Numida meleagris galeata*).

BPOSA. Ogwuengbu, S.O. Aire, T.A.; Adeyemo, O. Dxfordshire : Carfax Publishing Company. British poultry science. Mar 1988. v. 29 (1). p. 171-174. Includes references. (NAL Call No.: DNAL 47.8 B77).

0506

Elimination marking behavior in feral horses (For regulating reproduction).

Turner, J.W. Jr. Perkins, A.; Kirkpatrick, J.F. Ottawa, National Research Council of Canada. Canadian journal of zoology. = Journal canadien de zoologie. Aug 1981. v. 59 (8). p. 1561-1566. illl. 30 ref. (NAL Call No.: 470 C16D).

0507

Estrous behavior in confined beef cows.

JANSAG. Hurnik, J.F. King, G.J. Champaign, Ill. : American Society of Animal Science. Journal of animal science. Aug 1987. v. 65 (2). p. 431-438. Includes references. (NAL Call No.: DNAL 49 J82).

0508

Food restriction as a cause of stereotypic behaviour in tethered gilts.

ANIPA. Appleby, M.C. Lawrence, A.B. Neston, South Wirral, England : British Society of Animal Production. Animal production. Aug 1987. v. 45 (pt.1). p. 103-110. Includes references. (NAL Call No.: DNAL 49 AN55).

0509

A high level of nutrition during late pregnancy improves subsequent maternal behaviour of Merino ewes.

Putu, I.G. Poindron, P.; Lindsay, D.R. Sydney : Pergamon Press. Proceedings of the Australian Society of Animal Production. 1988. v. 17. p. 294-297. Includes references. (NAL Call No.: DNAL 49.9 AU72).

0510

High mating frequency for boars: predicting the effect on sexual behaviour, fertility and fecundity.

Hemsworth, P.H. Winfield, C.G.; Hansen, C. Harlow : Longman. Animal production. Dec 1983. v. 37 (pt.3). p. 409-413. Includes references. (NAL Call No.: 49 AN55).

0511

Hormones and husbandry: control of nesting behavior in poultry production.

PASCAL. Appleby, M.C. Champaign, Ill. : Poultry Science Association. Poultry science. Dec 1986. v. 65 (12). p. 2352-2354. Includes references. (NAL Call No.: DNAL 47.8 AM33P).

0512

Importance of photoperiod and wallowing in buffalo production.

IJDSCA. Gangwar, P.C. New Delhi : Indian Dairy Association. The Indian journal of dairy science. Literature review. June 1985. v. 38 (2). p. 150-155. Includes references. (NAL Call No.: DNAL 44.8 IN28).

(ANIMAL REPRODUCTION)

0513

The influence of earlier mating experience of ewes on their subsequent mating behaviour and reproductive performance.

ANRSD. Rosciszewska, Z.E. Amsterdam : Elsevier Science Publishers. Animal reproduction science. Oct 1985. v. 9 (3). p. 223-229. ill. Includes references. (NAL Call No.: DNAL QP251.A5).

49 AN55).

0514

The influence of factors associated with oestrus on the sexual "attractiveness" of ewes to rams.

Tilbrook, A.J. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. Apr 1987. v. 17 (1/2). p. 117-128. Includes references. (NAL Call No.: DNAL QL750.A6).

0519

The influence of social restriction during rearing on the sexual behaviour of the gilt (Swine).

Hemsworth, P.H. ANIPA. Cronin, G.M.; Hansen, C. Harlow : Longman. Animal production. Aug 1982. v. 35 (pt.1). p. 35-40. 14 ref. (NAL Call No.: 49 AN55).

0515

Influence of feeding time and diet on time of parturition in multiparous ewes.

JANSAG. Hudgens, R.E. Albright, J.L.; Pennington, J.A. Champaign, Ill. : American Society of Animal Science. Journal of animal science. Oct 1986. v. 63 (4). p. 1036-1040. Includes references. (NAL Call No.: DNAL 49 J82).

0520

The influence of the presence of the female on the sexual behaviour and plasma testosterone levels of the mature male pig.

Hemsworth, P.H. Winfield, C.G.; Chamley, W.A. Edinburgh, Longman. Animal production. Feb 1981. v. 32 (pt.1). p. 61-65. ill. 4 ref. (NAL Call No.: 49 AN55).

0516

Influence of food restriction and of the presence of chicks on the reproductive system of the domestic hen.

BPOSA. Richard-Yris, M.A. Leboucher, G.; Williams, J.; Garnier, D.H. Oxfordshire : Carfax Publishing Company. British poultry science. June 1987. v. 28 (2). p. 251-260. Includes references. (NAL Call No.: DNAL 47.8 B77).

0521

The influence of the stage of the estrous cycle and novel cows upon mounting activity of dairy cattle.

JANSAG. Alexander, T.J. Senger, P.L.; Rosenberger, J.L.; Hagen, D.R. Champaign, Ill. : American Society of Animal Science. Journal of animal science. Dec 1984. v. 59 (6). p. 1430-1439. ill. Includes references. (NAL Call No.: DNAL 49 J82).

0517

The influence of handling by humans on the behaviour reproduction and corticosteroids of male and female pigs.

Hemsworth, P.H. Barnett, J.L.; Hansen, C. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. July 1986. v. 15 (4). p. 303-314. Includes references. (NAL Call No.: DNAL QL750.A6).

0522

Influences of season and artificial photoperiod on stallions: testicular size, seminal characteristics and sexual behavior.

JANSAG. Clay, C.M. Squires, E.L.; Amann, R.P.; Pickett, B.W. Champaign, Ill. : American Society of Animal Science. Journal of animal science. Feb 1987. v. 64 (2). p. 517-525. Includes references. (NAL Call No.: DNAL 49 J82).

0518

The influence of restricted physical contact with pigs during rearing on the sexual behaviour of the male domestic pig (boars).

Hemsworth, P.H. Beilharz, R.G. Edinburgh, Longman. Animal production. Dec 1979. v. 29 (pt. 3). p. 311-314. ill. 4 ref. (NAL Call No.:

0523

Lactational oestrus in sows kept in rich environments.

Stolba, A. Darmstadt : Kuratorium fur Technik und Bauwesen in der Landwirtschaft, 1984? Proceedings of the International Congress on Applied Ethology in Farm Animals, Kiel, 1984 / edited by J. Unshelm, G. van Putten and K. Zeeb ; sponsored by the Federal Ministry of Food, Agriculture and Forestry. p. 226-228. Includes references. (NAL Call No.: DNAL SF756.7.I5 1984).

(ANIMAL REPRODUCTION)

0524

Libido and mating behavior in bulls, boars and rams. A review.
Chenoweth, P.J. Los Altos, Calif., Geron-X.
Theriogenology. Aug 1981. Literature review. v. 16 (2). p. 155-177. 119 ref. (NAL Call No.: QP251.A1T5).

0525

Libido and mating behaviour in Rahmani rams.
Ashmawy, G.M. Aboul-Naga, A.M.; El-Nakhla, S. Cairo, National Information and Documentation Centre. Egyptian journal of animal production. 1980 (pub. 1981). v. 20 (1). p. 17-22. Includes 18 ref. (NAL Call No.: 49 J823).

0526

"Libido" in the larger farm animals: a review (Sexual behavior).
Wodzicka-Tomaszewska, M. Kilgour, R.; Ryan, M. Amsterdam, Elsevier. Applied animal ethology. June 1981. Literature review. v. 7 (3). p. 203-238. ill. Bibliography p. 230-238. (NAL Call No.: QL750.A6).

0527

Luteinizing and testosterone hormone concentrations in blood serum of buffalo-bulls influencing libido.
IUASA4. Taha, A. Heshmat, H.A.; Sharawy, S.M. New Delhi : Indian Council of Agricultural Research. The Indian journal of animal sciences. July 1984. v. 54 (7). p. 616-618. Includes references. (NAL Call No.: DNAL 41.8 IN22).

0528

Mating activity and its relationship to reproductive performance in Merino sheep.
Fowler, D.G. Amsterdam : Elsevier North-Holland. Developments in animal and veterinary sciences. 1985. v. 18. p. 1-12. maps. Includes 30 references. (NAL Call No.: DNAL QL1.D48).

0529

Mating activity and reproductive performance in Merino flocks where ram percentages are 1.0, 0.5 and 0.25 (Ewes, behavior, estrus, New South Wales).
Fowler, D.G. AAAHA. Melbourne Commonwealth Scientific and Industrial Research Organization. Australian journal of experimental agriculture and animal husbandry. Aug 1982. v. 22 (117). p. 268-273. 2 p. ref. (NAL Call No.: 23 AU792).

0530

Mother--calf behaviour during the first six hours after parturition.
Hermann, E. CTVSD. Stenum, N. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1982. v. 19. p. 3-23. 3 p. ref. (NAL Call No.: SF600.C82).

0531

Moultling in the domestic hen (*Gallus domesticus*) and its use and effect.
Jensen, J.F. CTVSD. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1980. Paper presented at the Seminar in the EEC Programme of Coordination of Research on Animal Welfare, Luxembourg, March 11-13, 1980. v. 8. p. 259-268. Includes references. (NAL Call No.: SF600.C82).

0532

Mounting behavior as affected by stage of estrous cycle in Holstein heifers.
JDSCAE. Helmer, S.D. Britt, J.H. Champaign, Ill. : American Dairy Science Association. Journal of dairy science. May 1985. v. 68 (5). p. 1290-1296. ill. Includes 24 references. (NAL Call No.: DNAL 44.8 J822).

0533

Mounting-inducing pheromones in vaginal mucus of Holstein heifers.
Nishimura, K. Okano, T.; Utsumi, K.; Yuhara, M. Tokyo, Japan : Japanese Society of Zootechnical Science, 1983. New strategies for improving animal production for human welfare : proceedings / the Fifth World Conference on Animal Production, August 14-19, 1983. v. 2 p. 163-164. Includes references. (NAL Call No.: DNAL SF5.W6 1983).

0534

Night-time behavior of stabled and pastured peri-parturient ponies.
Houpt, K.A. O'Connell, M.F.; Houpt, T.A.; Carbonaro, D.A. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. May 1986. v. 15 (2). p. 103-111. Includes references. (NAL Call No.: DNAL QL750.A6).

0535

Normal and abnormal sexual behavior of the equine male.
Pickett, B.W. Squires, E.L.; Voss, J.L. Fort Collins, Colo. : The Station. General series - Colorado State University Experiment Station. Aug 1981. (1004). 33 p. ill. Includes

(ANIMAL REPRODUCTION)

references. (NAL Call No.: DNAL 100 C71G).

0536

A note on the effects of dexamethasone-induced parturition on ewe behaviour and lamb survival in prolific Booroola Merino ewes.

ANIPA. Owens, J.L. Bindon, B.M.; Edey, T.N.; Piper, L.R. Neston, South Wirral, England : British Society of Animal Production. Animal production. Dec 1985. v. 41 (3). p. 417-420. Includes references. (NAL Call No.: DNAL 49 AN55).

0537

Destrous behaviour of Dutch Friesian heifers under subtropical conditions in Tunisia.

IJBMA. Pieterse, M.C. Bakker, H.; Scherwing, C.M.C.; Koops, W.J. Lisse : Swets & Zeitlinger. International journal of biometeorology. Dec 1987. v. 31 (4). p. 269-283. Includes references. (NAL Call No.: DNAL 340.8 IN8).

0538

Oviposition in laying hens: amenability to operant conditioning.

CNJNA. Luescher, U.A. Hurnik, J.F. Ottawa : Agricultural Institute of Canada. Canadian journal of animal science. June 1988. v. 68 (2). p. 549-552. ill. Includes references. (NAL Call No.: DNAL 41.8 C163).

0539

Pig courtship behaviour: pheromonal property of androstanediol in male submaxillary secretion.

Perry, G.C. Patterson, R.L.S.; MacFie, H.J.H.; Stinson, C.G. Edinburgh, Longman. Animal production. Oct 1980. v. 31 (pt.2). p. 191-199. ill. 8 ref. (NAL Call No.: 49 AN55).

0540

Pig housing and the environment--future perspectives.

BOPUDB. English, P.R. Haddington : The Society. BSAP occasional publication : an occasional publication of the British Society of Animal Production. In the series analytic: Pig housing and the environment / edited by A.T. Smith and T.L.J. Lawrence. Proceedings of a Symposium, October 1986, Kenilworth, Scotland. 1987. (11). p. 117-125. ill. Includes references. (NAL Call No.: DNAL SF5.B74).

0541

Plasma-testosterone development in colony and individually housed male guinea pigs.

Sachser, N. Prove, E. Berlin, W. Ger. : Paul Parey. Ethology. Sept 1988. v. 79 (1). p. 62-70. Includes references. (NAL Call No.: DNAL QL750.E74).

0542

Post-partum interval to oestrus in monozygous twin cows and possible effects of maternal bonding (Behavior, feeding, suckling).

MacMillan, K.L. Wellington : Dept. of Scientific and Industrial Research. New Zealand journal of agricultural research. 1983. v. 26 (4). p. 451-454. ill. Includes = references. (NAL Call No.: 23 N4892).

0543

Pre- and post-farrowing behaviour in primiparous domesticated pigs.

Lammers, G.J. De Lange, A. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. Apr 1986. v. 15 (1). p. 31-43. Includes references. (NAL Call No.: DNAL QL750.A6).

0544

Pregnancy rates and sexual behavior under pasture breeding conditions in mares.

Ginther, O.J. THGNB. Scraba, S.T.; Nuti, L.C. Los Altos : Geron-X. Theriogenology. Sept 1983. v. 20 (3). p. 333-345. Includes references. (NAL Call No.: QP251.A1T5).

0545

Prostaglandin F2-alpha induced nest building behavior in the non-pregnant sow, and some welfare considerations (Questioned justification of the drug in swine husbandry, unpleasant acute effects of the drug, suitability of the drug to induce farrowing).

Blackshaw, J.K. Washington : Institute for the Study of Animal Problems. International journal for the study of animal problems. Oct/Dec 1983. v. 4 (4). p. 299-304. Includes references. (NAL Call No.: HV4701.I49).

0546

Puberty in the female pony: reproductive behavior, ovulation, and plasma gonadotropin concentrations.

Wesson, J.A. Ginther, O.J. Champaign, Ill., Society for the Study of Reproduction. Biology of reproduction. June 1981. v. 24 (5). p. 977-986. Bibliography p. 985-986. (NAL Call No.: QL876.B5).

(ANIMAL REPRODUCTION)

0547

Ram mating preferences.

Tilbrook, A. Cameron, A.W.N. Cambridge : Cambridge University Press, 1984. Reproduction in sheep : Australian Wool Corporation technical publication / supervising editors, D.R. Lindsay and D.T. Pearce. p. 47-49. Includes references. (NAL Call No.: DNAL SF768.2.S5R46).

0548

Relationship between oestrous behaviour and frequency of visits made by dairy cows to out-of-parlour concentrate dispensers.

Little, W. Herriman, I.D.; Harrison, R.D. London : British Veterinary Association. The Veterinary record. June 23, 1984. v. 114 (25). p. 613-614. ill. Includes references. (NAL Call No.: 41.8 V641).

0549

The relationship between serum testosterone levels, sex and teat-seeking ability of newborn piglets.

CNJNA. Bate, L.A. Kreukniet, M.B.; Hacker, R.R. Ottawa : Agricultural Institute of Canada. Canadian journal of animal science. Sept 1985. v. 65 (3). p. 627-630. Includes references. (NAL Call No.: DNAL 41.8 C163).

0550

Relationship of seasonal cycles of food intake and sexual activity in Soay rams (Behavior).

Kay, R.N.B. Suttie, J.M. Cambridge, Cambridge University Press. The Journal of physiology. Jan 1981. v. 310. p. 34P-35P. 3 ref. (NAL Call No.: 447.8 J82).

0551

Repeatability of semen production and libido score in young beef bulls.

UAABB. Makarechian, M. Farid, A. Edmonton : The Faculty. Agriculture & forestry bulletin - Alberta University. Faculty of Extension. June 15, 1984. p. 35-36. (NAL Call No.: DNAL 101 AL1A).

0552

Reproduction in the gilt. 6. The effect of various degrees of mature boar contact during rearing on puberty attainment.

ANIPA. Eastham, P.R. Dyck, G.W.; Cole, D.J.A. Neston, South Wirral, England : British Society of Animal Production. Animal production. Oct 1986. v. 43 (pt.2). p. 341-349. Includes references. (NAL Call No.: DNAL 49 AN55).

0553

Reproductive and developmental behaviour in sheep an anthology from "Applied animal ethology" / edited by A.F. Fraser. --.

Fraser, A. F. Amsterdam ; New York : Elsevier, 1985. Articles originally appeared in Applied animal ethology from December, 1974 to 1984. x, 439 p. : ill. ; 25 cm. --. Includes bibliographies and index. (NAL Call No.: DNAL QL1.D48 v.18).

0554

Reproductive behavior of the stallion.

McDonnell, S. Philadelphia : W.B. Saunders. The Veterinary clinics of North America : equine practice. In the series analytic: Behavior / edited by S.L. Crowell-Davis and K.A. Houpt. Dec 1986. v. 2 (3). p. 535-555. ill. Includes references. (NAL Call No.: DNAL SF951.V47).

0555

Reproductive behaviour in hens.

Wood-Gush, D.G.M. Berlin (West Germany) : Springer-Verlag, 1983. Hormones and behaviour in higher vertebrates / edited by J. Balthazart, E. Prove, and R. Gilles. p. 474-480. ill. Includes references. (NAL Call No.: QP571.H658).

0556

Reproductive behaviour of rams.

Fowler, D.G. Cambridge : Cambridge University Press, 1984. Reproduction in sheep : Australian Wool Corporation technical publication / supervising editors, D.R. Lindsay and D.T. Pearce. Literature review. p. 39-46. Includes references. (NAL Call No.: DNAL SF768.2.S5R46).

0557

Reproductive system.

Clark, L.K. D'Allaire, S.; Leman, A.D. Ames, Iowa : Iowa State University Press, 1986. Diseases of swine / edited by A.D. Leman ... et al. ; with 99 authoritative contributors selected for their recognized leadership in this field. Literature review. p. 101-143. ill. Includes references. (NAL Call No.: DNAL SF971.D8 1986).

0558

Research note: clomiphene-citrate does not reduce broodiness of turkey hens.

POSCAL. Renner, P.A. Nestor, K.E.; Bacon, W.L.; Havenstein, G.B. Champaign, Ill. : Poultry Science Association. Poultry science. Mar 1987. v. 66 (3). p. 558-560. Includes references. (NAL Call No.: DNAL 47.8 AM33P).

(ANIMAL REPRODUCTION)

0559

Research note: Effect of presence or absence of the opposite sex on egg production and semen quality of breeder turkeys.
POSICAL, Jones, M.C. Leighton, A.T. Jr.
Champaign, Ill. : Poultry Science Association.
Poultry science. Dec 1987. v. 66 (12). p.
2056-2059. Includes references. (NAL Call No.:
DNAL 47.8 AM33P).

0560

Seasonal variations in oestradiol-17beta and luteinizing hormone in the blood of buffalo cows (*Bubalus bubalis*) (Reproductive behavior).
Rao, L.V. JOENA. Pandey, R.S. Colchester : The Journal. The Journal of endocrinology. Aug 1983. v. 98 (2). p. 251-255. Includes references. (NAL Call No.: 448.8 J8293).

0561

Sexual activity of Holstein cows: seasonal effects.
JDSCAE. Pennington, J.A. Albright, J.L.; Diekman, M.A.; Callahan, C.J. Champaign, Ill. : American Dairy Science Association. Journal of dairy science. Nov 1985. v. 68 (11). p.
3023-3030. Includes 19 references. (NAL Call No.: DNAL 44.8 J822).

0562

Sexual aggressiveness in beef bulls.
Lunstra, D.D. Clay Center : The Service.
Agricultural reviews and manuals. ARM-NC - United States Dept. of Agriculture,
Agricultural Research Service. Apr 1982. (21). p. 28. ill. (NAL Call No.: DNAL aS21.A75U69).

0563

Sexual behavior following introduction of a stallion into a group of mares.
Ginther, O.J. THGNB. Los Altos : Geron-X.
Theriogenology. June 1983. v. 19 (6). p.
877-886. Includes references. (NAL Call No.: QP251.A1T5).

0564

Sexual behavior in mares.
Beaver, B.V. Bonner Springs, Kan., Veterinary Medicine Publishing Co. VM/SAC, veterinary medicine & small animal clinician. Feb 1981. v. 76 (2). p. 167-168. ill. (NAL Call No.: 41.8 M69).

0565

Sexual behavior of gilts.
JANSAG. Hemsworth, P.H. Champaign, Ill. : American Society of Animal Science. Journal of animal science. Paper presented at the "XVI Biennial Symposium on Animal Reproduction," July 26, 1983, Pullman, Washington. ~ Literature review. 1985. v. 61 (suppl.3). p. 75-85. Includes references. (NAL Call No.: DNAL 49 J82).

0566

Sexual behaviour and semen quality of exotic rams (Rambouillet and Soviet Merino) as influenced by age under semi-arid conditions (Rajasthan, India).
Tiwari, S.B. IVEJA. Kalra, D.B. Madras : Indian Veterinary Association. Indian veterinary journal. Dec 1982. v. 59 (12). p. 992-994. 6 ref. (NAL Call No.: 41.8 IN2).

0567

Sexual behaviour in male farm animals.
CTVSD. Kilgour, R.J. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. Paper presented at the "Seminar on the Male in Farm Animal Reproduction," October 6-7, 1983, Nouzilly, France. ~ Literature review. 1984. v. 30. p. 108-134. Includes references. (NAL Call No.: DNAL SF600.C82).

0568

Sexual behaviour in Muturu, N'dama and Holstein-Friesian bulls in a humid tropical environment (Nigeria).
Nwakator, L.N. Orji, B.I.; Igboeli, G. Rome, International Publishing Enterprises. World review of animal production. July/Sept 1979. v. 15 (3). p. 35-46. ill. 9 ref. (NAL Call No.: 49 W89).

0569

Social behaviour of farm animals as it related to parturition and mating (Cattle, sheep, swine).
Kilgour, R. Clovis, Calif., Agriservices Foundation. Dairy science handbook. 1981. v. 14. p. 306-314. ill. 12 ref. (NAL Call No.: SF221.D335).

0570

Social behaviour of farm animals as it relates to parturition and mating.
Kilgour, R. Clovis, Calif., Agriservices Foundation. Stud managers' handbook. 1981. v. 17. p. 204-212. ill. 12 ref. (NAL Call No.: SF277.S78).

(ANIMAL REPRODUCTION)

0571

Social behaviour of farm animals as it relates to parturition and mating.
Kilgour, R. Clovis, Calif., Agriservices Foundation. Sheep & goat handbook. 1981. Papers presented at The International Stockmen's School, January 12-15, 1981, San Antonio, Texas. v. 2. p. 287-295. ill., maps. 12 ref. (NAL Call No.: SF371.S43).

0572

Sociosexual behavior and the ovulatory cycle of ponies (*Equus caballus*) observed in harem groups.
Asa, C.S. Goldfoot, D.A.; Ginther, O.J. New York, Academic Press. Hormones and behavior. Aug 1979. v. 13 (1). p. 49-65. Bibliography p. 65. (NAL Call No.: QP801.H7H64).

0573

Sociosexual behavior in the domestic pony.
Asa, C.S. Laramie? : The University?, between 1980 and 1982 . Symposium on the Ecology and Behavior of Wild and Feral Equids : University of Wyoming, Laramie, September 6-8, 1979. p. 59-70. Includes references. (NAL Call No.: DNAL SF360.3.A8S9 1979).

0574

Some aspects of mating behaviour in male buffaloes and camels under the Egyptian environment.
Shalash, M.R. Urbana? : University of Illinois at Urbana-Champaign?, 1984? . 10th International Congress on Animal Reproduction and Artificial Insemination, University of Illinois at Urbana-Champaign, Illinois, USDA, June 10-14, 1984. Literature review. v. 3 p. 292.1-292.4. ill. Includes 25 references. (NAL Call No.: DNAL SF105.5.I5 1984).

0575

Some studies of comparative aspects of sexual behavior in ponies and donkeys.
Clayton, H.M. Lindsay, F.E.F.; Forbes, A.C.; Hay, L.A. Amsterdam, Elsevier. Applied animal ethology. Apr 1981. v. 7 (2). p. 169-174. ill. 4 ref. (NAL Call No.: QL750.A6).

0576

Species-specific behaviour patterns important for husbandry designs (Domestic sheep, goats, cattle, hens, pigs and horses).
Kilgour, R. Clovis, Calif., Agriservices Foundation. Dairy science handbook. 1981. v. 14. p. 298-305. ill. 14 ref. (NAL Call No.: SF221.D335).

0577

Steroids to enhance growth and performance: effects on fertility.
Berndtson, W.E. Santa Barbara, Calif. : Veterinary Practice Pub. Co. Equine practice. Jan 1986. v. 8 (1). p. 27-30. Includes 7 references. (NAL Call No.: DNAL SF951.E62).

0578

Study on oestrus pattern and conception rate in relation to various factors in nondescript rural cattle.
IVMJD. Kumar, S. Lucknow : U.P. Veterinary Association. The Indian veterinary medical journal. Sept 1987. v. 11 (3). p. 147-152. Includes references. (NAL Call No.: DNAL SF601.I45).

0579

Tethered versus loose sows: ethological observations and measures of productivity. I. Ethological observations during pregnancy and farrowing (Housing, behavior).
Vestergaard, K. Hansen, L.L. Paris : Dept. de pathologie animale de l'Institut national de la recherche agronomique. Annales de recherches vétérinaires = Annals of veterinary research. 1984. Paper presented at the "CEC Workshop on Welfare of Confined Sows," May 26-27, 1983, Rennes, France. v. 15 (2). p. 245-256. ill. Includes references. (NAL Call No.: SF602.A5).

0580

Use of lambing cubicles and the behavior of ewes at parturition.
Gonyou, H.W. JANSA. Stookey, J.M. Champaign : American Society of Animal Science. Journal of animal science. Apr 1983. v. 56 (4). p. 787-791. ill. Includes references. (NAL Call No.: 49 J82).

0581

Variation in hormonal feedback and reproductive performance in rams of different genotypes from birth through puberty.
THGNB. Glatzel, P. Stoneham, Mass. : Butterworth Publishers. Theriogenology. Oct 1988. v. 30 (4). p. 763-776. Includes references. (NAL Call No.: DNAL QP251.A1T5).

0582

Water buffalo.
Loypetjra, P. Chaiyabutr, N.; Usanakornkul, S.; Pichaicharnarong, A. Amsterdam : Elsevier, 1987. Bioclimatology and the adaptation of livestock / edited by H.D. Johnson. p. 107-125. Includes references. (NAL Call No.: DNAL SF87.B55).

(ANIMAL REPRODUCTION)

0583

The water buffalo, *Bubalus bubalis*, in Australia: reproductive and parent-offspring behaviour.
Tulloch, O.G. Melbourne, Commonwealth Scientific and Industrial Research Organization. Australian wildlife research. Dec 1979. v. 6 (3). p. 265-287. ill. Bibliography p. 286-287. (NAL Call No.: S960.W5).

0584

Behavior of Galician ewes in barn type farms (Reproduction). Spanish.
Lopez Fernandez, J.A. Madrid : (s.n.). Avances en alimentacion y mejora animal. Apr 1982. v. 23 (4). p. 203-205. (NAL Call No.: SF95.A9).

0585

Behaviour of sows during farrowing and according to the type of pens. Romanian.
Oinu, I. Bucuresti, Ministerul Educatiei si Invatamintului, Institutul Agronomic "Nicolae Balcescu". Lucrari stiintifice. Seria D: Zootehnie. 1980 (pub. 1981). v. 23. p. 19-23. Includes 5 ref. (NAL Call No.: SF15.R8152).

0586

Breeding sows in box stalls and in group rearing, hogging behavior, births, fertility and defects on motion apparatus.
Sommer, Beatrix, 1950-. Munchen (s.n.) 1979. English summary ~Includes vita. 203 p. : ill. --. Bibliography: p. 178-202. (NAL Call No.: 41.2 M9222 (1979, no.58)).

0587

Effects of aeroplane noise on production, reproduction and behavior of farm livestock.
Stephan, E. Heuwieser, W. Berlin, W. Ger., Paul Parey. Zentralblatt fur Veterinarmedizin. Reihe A. June 1982. Literature review. v. 29 (3). p. 157-169. 3 p. ref. (NAL Call No.: 41.8 Z5).

0588

Effects of housing methods of weaning sows on their behavior during inseminations and on the farrowing rate. Slovene.
Stuhec, I. Salehar, A.; Dresnik, A.; Stuhec, V.; Kovac, M. Ljubljana, Fakulteta. Zbornik Biotehniške fakultete univerze Edvarda Kardelja v Ljubljani : Kmetijstvo. 1980. v. 35. p. 25-40. ill. 29 ref. (NAL Call No.: 21.5 Z15).

0589

Heat behaviour, birth, reproduction performance and reasons of losses of sows in cage and group housing.

Sommer, B. Sambraus, H.H.; Osterkorn, K.; Krausslich, H. Stuttgart, W. Ger., Eugen Ulmer. Zuchungskunde. Mar/Apr 1982. v. 54 (2). p. 138-154. 2 p. ref. (NAL Call No.: 49.28).

0590

Mating behavior of a beef bull to a group of estrous cows in pasture and its productive efficiency. Japanese.

Masaki, J. Ohta, M.; Hayashi, K. Tokyo, Japanese Society of Zootechnical Science. Nihon Chikusan Gakkai ho = Japanese journal of zootechnical science. Aug 1981. v. 52 (8). p. 572-578. ill. Includes 8 ref. (NAL Call No.: 49 N62).

0591

Relationship between social behavior and reproduction in swine. German.

Ladewig, J. LVDEA. Braunschweig, W. Ger. : Forschungsanstalt fur Landwirtschaft. Landbauforschung Volkenrode. 1982. v. 32 (3). p. 177-179. ill. Includes references. (NAL Call No.: 18 L2353).

0592

Reproduction in farm animals. Romanian.

Bogdan, Alexandru T. Bistrițeanu, Marian.; Majina, Cornel. Craiova (Romania) Scrisul Romanesc 1981. Includes indexes. 788 p., (10) p. of plates (1 folded) : ill. (some col.) ; 25 cm. Bibliography: p. (707)-725. (NAL Call No.: QP251.B63).

0593

Reproductive behavior of cows with increase of weight controlled before and after parturition. SPANISH.

Rodriguez Rivera, O.L. Rodriguez Rendon, A.; Zambrano Gaytan, R.; Gonzalez Padilla, E. Mexico, D.F., Instituto Nacional de Investigaciones Pecuarias. Tecnica pecuaria en Mexico. Jan/June 1979. Jan/June 1979. (36). p. 40-46. 20 ref. (NAL Call No.: 49 T222).

0594

Reproductive behavior of Holstein herds in Chontalpa, Tabasco, I. Calving interval-first service and calving interval-conception (Dairy cows). Spanish.

Morales T., H. Hinojosa C., J.A.; Aguilar C., J.A. Mexico, D.F. : Fac. de Medicina Veterinaria y Zootecnia, Universidad Nacional Autonoma de Mexico. Veterinaria Mexico. Oct/Dec

(ANIMAL REPRODUCTION)

1981. v. 12 (4). p. 217-221. 18 ref. (NAL Call No.: SF604.V485).

0595

Sex behavior of animal species from zootechnical point of view (Cattle, swine, goats, sheep). Spanish.
Orihuela Trujillo, A. Polanco Jaime, A. Chapingo, Mexico, Universidad Autonoma Chapingo. Chapingo. Sept/Dec 1980. Sept/Dec 1980. (25/26). p. 60-66. ill. 17 ref. (NAL Call No.: 102 C36).

0596

Social behavior and reproduction performance in the pig. German.
Ladewig, J.ZUECA. Stuttgart, W. Ger. : Eugen Ulmer. Zuchungskunde. Sept/Oct 1982. v. 54 (5). p. 350-353. Includes references. (NAL Call No.: 49 Z8).

0597

Some observations on the incubation behaviour of the domestic duck. Japanese.
Matsuzawa, Y. Fujita, M.; Sugimura, M. Tokyo, Japan Poultry Science Association. Nihon Kakin Gakkai shi = Japanese poultry science. Nov 1981. v. 18 (6). p. 335-341. Includes 27 ref. (NAL Call No.: 47.8 N57).

0598

Stimulation of reproduction in sows with rearing measures (Estrus, housing conditions, behavior, single and group rearing). German.
Hoogerbrugge, A. Salden, N.T.C.J.; Hemsworth, P.H. Hildesheim, Arbeitsgemeinschaft Deutscher Tierzüchter. Der Tierzüchter. Nov 25, 1981. v. 33 (11). p. 478-480. (NAL Call No.: 49 T445).

ANIMAL ECOLOGY

0599

The ability of the pig to use a nose valve drinking system (Behavior, equipment, learning, liveweight gains, Sweden).
Dissner, O. Stockholm : Scandinavian Association of Agricultural Scientists. Acta agriculturae scandinavica. 1983. v. 33 (2). p. 161-169. ill. Includes references. (NAL Call No.: 11 AC82).

0600

Abnormal behavior.

Houpt, K.A. Philadelphia, Pa. : W.B. Saunders Company. The Veterinary clinic of North America : food animal practice. In the series analytic: Farm animal behavior / edited by E.O. Price. ~ Literature review. July 1987. v. 3 (2). p. 357-367. ill. Includes references. (NAL Call No.: DNAL SF601.V535).

0601

Absence of relationship between activity and plasma cortisol in pregnant tethered sows.
Cariolet, R. Dantzer, R. Darmstadt : Kuratorium fur Technik und Bauwesen in der Landwirtschaft. 1984? . Proceedings of the International Congress on Applied Ethology in Farm Animals, Kiel, 1984 / edited by J. Unshelm, G. van Putten and K. Zeeb ; sponsored by the Federal Ministry of Food, Agriculture and Forestry. p. 221-225. Includes references. (NAL Call No.: DNAL SF756.7.I5 1984).

0602

Activities of chicks in their home cages and in an open field (Behavior patterns).
Jones, R.B. Loughborough, British Poultry Science, Ltd. British poultry science. Nov 1978. Nov 1978. v. 19 (6). p. 725-730. ill. 16 ref. (NAL Call No.: 47.8 B77).

0603

Activity patterns of seaweed-eating sheep on North Ronaldsay, Orkney (Scotland, feeding behavior).
Paterson, I.W. Coleman, C.D. Amsterdam, Elsevier. Applied animal ethology. Jan 1982. v. 8 (1/2). p. 137-146. ill. Includes 2 p. ref. (NAL Call No.: QL750.A6).

0604

Adaptation to, and energy costs of, tethering in pregnant sows.
CTVSD. Cronin, G.M. Barnett, J.L. Dordrecht : Martinus Nijhoff Publishers. Current topics in veterinary medicine and animal science. In the series analytic: Energy metabolism in farm animals / edited by M.W.A. Verstegen and A.M. Henken. 1987. v. 44. p. 51-62. Includes

references. (NAL Call No.: DNAL SF600.C82).

0605

Adaptive behaviour patterns of the wild boar (*Sus scrofa*).
Altmann, D. Darmstadt : Kuratorium fur Technik und Bauwesen in der Landwirtschaft, 1984? Proceedings of the International Congress on Applied Ethology in Farm Animals, Kiel, 1984 / edited by J. Unshelm, G. van Putten and K. Zeeb ; sponsored by the Federal Ministry of Food, Agriculture and Forestry. p. 292-294. Includes references. (NAL Call No.: DNAL SF756.7.I5 1984).

0606

Advantages and problems of using integrated systems of indicators as compared to single traits (Biological indicators, animal welfare).
Smidt, D. CTVSD. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1983. Paper presented at the Seminar on Indicators Relevant to Farm Animal Welfare, Mariensee, 9-10 November 1982. v. 23. p. 201-207. ill. Includes references. (NAL Call No.: SF600.C82).

0607

Aerosolized 5 alpha-androst-16-en-3-one reduced agonistic behavior and temporarily improved performance of growing pigs.
JANSAG. McGlone, J.J. Stansbury, W.F.; Tribble, L.F. Champaign, Ill. : American Society of Animal Science. Journal of animal science. Sept 1986. v. 63 (3). p. 679-684. Includes references. (NAL Call No.: DNAL 49 J82).

0608

Aggressive behavior.
Fraser, D. Rushen, J. Philadelphia, Pa. : W.B. Saunders Company. The Veterinary clinic of North America : food animal practice. In the series analytic: Farm animal behavior / edited by E.O. Price. ~ Literature review. July 1987. v. 3 (2). p. 285-305. Includes references. (NAL Call No.: DNAL SF601.V535).

0609

Aggressive behavior associated with naturally elevated serum testosterone in mares (Horses).
Beaver, B.V. Amoss, M.S., Jr. Amsterdam : Elsevier. Applied animal ethology. June 1982. v. 8 (5). p. 425-428. Includes references. (NAL Call No.: QL750.A6).

(ANIMAL ECOLOGY)

0610

Aggressive behavior of sows at parturition.
JANSAG. Steen, H.A.M. van der. Schaeffer, L.R.;
Jong, H. de; Groot, P.N. de. Champaign, Ill.:
American Society of Animal Science. Journal of
animal science. Feb 1988. v. 66 (2). p.
271-279. Includes references. (NAL Call No.:
DNAL 49 J82).

0611

Aggressive behavior problems.
Beaver, B.V. Philadelphia : W.B. Saunders. The
Veterinary clinics of North America : equine
practice. In the series analytic: Behavior /
edited by S.L. Crowell-Davis and K.A. Houpt.
Dec 1986. v. 2 (3). p. 635-644. Includes
references. (NAL Call No.: DNAL SF951.V47).

0612

**Aggressive behaviour and its relation to
oviposition in the domestic fowl.**
Hughes, B.O. Amsterdam, Elsevier. Applied
animal ethology. Jan 1979. v. 5 (1). p. 85-93.
ill. 13 ref. (NAL Call No.: QL750.A6).

0613

**Agonistic and sex-mimicking behaviors as
related to rank proximity in rams (*Ovis aries*).**
Zenchak, J.J. Schein, M.W. Amsterdam : Elsevier
Science Publishers B.V. Applied animal
behaviour science. May 1988. v. 19 (3/4). p.
291-296. Includes references. (NAL Call No.:
DNAL QL750.A6).

0614

**Agonistic behaviour, responses to a novel
object and some aspects of maintenance
behaviour in feral-strain and domestic
chickens.**
Rose, K.M. Wodzicka-Tomaszewska, M.; Cumming,
R.B. Amsterdam : Elsevier Science Publishers
B.V. Applied animal behaviour science. Jan
1985. v. 13 (3). p. 283-294. Includes 24
references. (NAL Call No.: DNAL QL750.A6).

0615

**Agonistic interactions during competition for
different resources in captive European wild
Pigs (*Sus scrofa*) (Behavior).**
Schnebel, E.M. Griswold, J.G. Amsterdam :
Elsevier. Applied animal ethology. July 1983.
v. 10 (4). p. 251-300. Includes references.
(NAL Call No.: QL750.A6).

0616

**Agonistic (social) behaviour in domestic
chicken.**
Choudary, M.R. New Delhi, C. P. Narang. Poultry
guide. May 1980. v. 17 (5). p. 40-43. 14 ref.
(NAL Call No.: SF481.P64).

0617

**An analysis of agonistic interaction patterns
in group-housed dry sows--aggression regulation
through an "avoidance order" (Dominance,
fight/flight, social behavior).**
Jensen, P. Amsterdam : Elsevier. Applied animal
ethology. Nov 1982. v. 9 (1). p. 47-61. ill.
Includes references. (NAL Call No.: QL750.A6).

0618

**An analysis of factors influencing spatial
distribution in flocks of grazing sheep.**
Arnold, G.W. Maller, R.A. Amsterdam : Elsevier
Science Publishers B.V. Applied animal
behaviour science. July 1985. v. 14 (2). p.
173-189. Includes 7 references. (NAL Call No.:
DNAL QL750.A6).

0619

**An analysis of stereotyped behaviour in
tethered sows (Restricted housing).**
Cronin, G.M. Wiepkema, P.R. Paris : Dept. de
pathologie animale de l'Institut national de la
recherche agronomique. Annales de recherches
veterinaires = Annals of veterinary research.
1984. Paper presented at the "CEC Workshop on
Welfare of Confined Sows," May 26-27, 1983,
Rennes, France. v. 15 (2). p. 263-270. ill.
Includes references. (NAL Call No.: SF602.A5).

0620

**Animal behavior and production efficiency
(Sheep).**
Hulet, C.V. Boulder, Colo. : Westview Press.
Sheep and goat handbook. 1984. v. 4. p.
387-397. ill. Includes references. (NAL Call
No.: SF371.S43).

0621

**Animal boredom: is a scientific study of the
subjective experiences of animals possible?.**
Wemelsfelder, F. Boston : Martinus Nijhoff
Publishers. Advances in animal welfare science.
1984 (pub. 1985). p. 115-154. Includes
references. (NAL Call No.: DNAL HV4701.A34).

(ANIMAL ECOLOGY)

0622

Animal ethology: its emergence in animal science.

JANSAG. Curtis, S.E. Houpt, K.A. Champaign, Ill. : American Society of Animal Science. Journal of animal science. Literature review. July 1983. v. 57 (suppl.2). p. 234-247. Includes references. (NAL Call No.: DNAL 49 J82).

0623

Animal handling.

Grandin, T. Philadelphia, Pa. : W.B. Saunders Company. The Veterinary clinic of North America : food animal practice. In the series analytic: Farm animal behavior / edited by E.O. Price.~ Literature review. July 1987. v. 3 (2). p. 323-338. ill. Includes references. (NAL Call No.: DNAL SF601.V535).

0624

Animal handling.

Grandin, T. Davie, Fla. : The Association, 1978 . Animal air transportation, a global industry : proceedings of the fourth annual International Meeting, Animal Air Transportation Association, November 6-9, 1978 Toronto, Ontario, Canada. / edited by A. Ann McWilliam. p. 77-83. ill. Includes references. (NAL Call No.: DNAL TL720.7.A5 1978).

0625

Animal welfare and the dairy industry (Cows).

Fox, M.W. JDSCAE. Champaign : American Dairy Science Association. Journal of dairy science. Oct 1983. v. 66 (10). p. 2221-2225. Includes references. (NAL Call No.: 44.8 J822).

0626

Animal welfare lessons from work on poultry (Ecological and physiological evaluation).

Duncan, I.J.H. Basel, Birkhauser Verlag. Tierhaltung. 1981. v. 11. p. 39-46. Includes 4 p. ref. (NAL Call No.: SF105.T5).

0627

Animal well-being and animal care.

Curtis, S.E. Philadelphia, Pa. : W.B. Saunders Company. The Veterinary clinic of North America : food animal practice. In the series analytic: Farm animal behavior / edited by E.O. Price.~ Literature review. July 1987. v. 3 (2). p. 369-382. ill. Includes references. (NAL Call No.: DNAL SF601.V535).

0628

Animal well-being and housing systems for piglets (Abnormal behaviour).

Bure, R.G. CTVSD. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1981. Paper presented at the Seminar in the EEC Programme of Coordination of Research on Animal Welfare, Brussels, November 25-26, 1980. v. 11. p. 198-209. Includes references. (NAL Call No.: SF600.C82).

0629

Anxiety & how your horse copes (Behavior).

Ames, L.R. Capistrano Beach, Calif., Charger Productions. Horse and horseman. Nov 1979. v. 7 (9). p. 52-55. ill. (NAL Call No.: SF277.H66).

0630

Applicability of indicators in animal welfare research (Behavior, physiological parameters, clinical diagnosis).

Unshelm, J. CTVSD. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1983. Paper presented at the Seminar on Indicators Relevant to Farm Animal Welfare, Mariensee, 9-10 November 1982. v. 23. p. 225-231. Includes references. (NAL Call No.: SF600.C82).

0631

Application of an integrated system of indicators in animal welfare research (Housing conditions, cattle, pigs).

Schlichting, M.C. CTVSD. Andreae, U.; Thielscher, H.H.; Smidt, D. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1983. Paper presented at the Seminar on Indicators Relevant to Farm Animal Welfare, Mariensee, 9-10 November 1982. v. 23. p. 215-221. ill. Includes references. (NAL Call No.: SF600.C82).

0632

Applications of neurobiological studies to farm animal welfare.

CTVSD. Broom, D.M. Dordrecht : Martinus Nijhoff Publishers. Current topics in veterinary medicine and animal science. In the series analytic: Biology of stress in farm animals: an integrative approach / edited by P.R. Wiepkema and P.W.M. van Adrichem. A seminar in the CEC programme of coordination research on animal welfare, April 17-18, 1986, Oosterbeek, Netherlands.~ Literature review. 1987. v. 42. p. 101-110. Includes references. (NAL Call No.: DNAL SF600.C82).

(ANIMAL ECOLOGY)

0633

Applied horse psychology.

Huff, A.N. Lake Elsinore, Calif. : William E. Jones, DVM. Journal of equine veterinary science. Mar/Apr 1988. v. 8 (2). p. 182-185. Includes references. (NAL Call No.: DNAL SF951.J65).

0634

The approach and preference behaviour of chicks in relation to the intensity of neural-input effects.

Bengtsson, H. ANBEA. London : Bailliere Tindall. Animal behaviour. May 1983. v. 31 (pt. 2). p. 490-496. Includes references. (NAL Call No.: 410 B77).

0635

Are we walking a welfare tightrope? (Swine, behavior in relation to rearing conditions).

Ipswich, Eng., Farming Press. Pig farming. Dec 1980. v. 28 (12). p. 47. (NAL Call No.: 46.8 P623).

0636

An artificial sow to investigate the behaviour of sucking piglets.

Jeppesen, L.E. Amsterdam, Elsevier. Applied animal ethology. Sept 1981. v. 7 (4). p. 359-367. ill. 9 ref. (NAL Call No.: QL750.A6).

0637

Aspects of the normal behaviour of the fowl.

Vestergaard, K. Basel, Birkhauser Verlag. Tierhaltung. 1981. v. 12. p. 1-8. Includes 4 ref. (NAL Call No.: SF105.T5).

0638

Assessing of housing by combined indicators (Functioning of an animal in relation to the environment).

Bure, R.G. CTVSD. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1983. Paper presented at the Seminar on Indicators Relevant to Farm Animal Welfare, Mariensee, 9-10 November 1982. v. 23. p. 209-213. ill. Includes references. (NAL Call No.: SF600.C82).

0639

Assessing the effect of housing on welfare (Livestock, behavior).

Duncan, L.J.H. CTVSD. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1983. Paper presented at the Seminar on Farm Animal Housing and Welfare, Aberdeen, July 28-30, 1982. v. 24. p. 27-35. Includes references. (NAL Call No.: SF600.C82).

0640

The assessment of behavioural needs (Laying hen).

Hughes, B.O. CTVSD. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1980. Paper presented at the Seminar in the EEC Programme of Coordination of Research on Animal Welfare, Luxembourg, March 11-13, 1980. v. 8. p. 149-166. ill. Includes references. (NAL Call No.: SF600.C82).

0641

Assessment of fear in adult laying hens: correlational analysis of methods and measures.

BPOSA. Jones, R.B. Oxfordshire : Carfax Publishing Company. British poultry science. June 1987. v. 28 (2) p. 319-326. Includes references. (NAL Call No.: DNAL 47.8 B77).

0642

Associations between individuals and home-range behavior in natural flocks of three breeds of domestic sheep (Dorset Horn, Merino and Southdown).

Arnold, G.W. Wallace, S.R.; Rea, W.A. Amsterdam, Elsevier. Applied animal ethology. June 1981. v. 7 (3). p. 239-257. ill., maps. 13 ref. (NAL Call No.: QL750.A6).

0643

Attraction to blood as a factor in tail-biting by pigs.

Fraser, D. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. Apr 1987. v. 17 (1/2). p. 61-68. Includes references. (NAL Call No.: DNAL QL750.A6).

0644

Automatically recorded competitive feeding behaviour as a measure of social dominance in dairy cows.

Rutter, S.M. Jackson, D.A.; Johnson, C.L.; Forbes, J.M. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. Apr 1987. v. 17 (1/2). p. 41-50. Includes references. (NAL Call No.: DNAL

(ANIMAL ECOLOGY)

QL750.A6).

(3). p. 440-446. Includes references. (NAL Call No.: DNAL 47.8 AM33P).

0645

Aversion of sheep for handling treatments: paired-choice studies.

Rushen, J. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. Dec 1986. v. 16 (4). p. 363-370. Includes references. (NAL Call No.: DNAL QL750.A6).

0646

Avoidance, maze learning, and social dominance in ponies.

Rudman, R. Haag, E.; Houpt, A. Laramie? : The University?, between 1980 and 1982 . Symposium on the Ecology and Behavior of Wild and Feral Equids : University of Wyoming, Laramie, September 6-8, 1979. p. 99-111. Includes references. (NAL Call No.: DNAL SF360.3.A8S9 1979).

0647

Behavior /Sharon L. Crowell-Davis and Katherine A. Houpt, guest editors.

Crowell-Davis, Sharon L.; Houpt, Katherine A. Philadelphia : W.B. Saunders, c1986. x, p. 465-671 : ill. ; 24 cm. Includes bibliographies and index. (NAL Call No.: DNAL SF951.V47 v.2 no.3).

0648

Behavior and ecology of wild and feral swine (*Sus scrofa*).

Graves, H.B.JANSA. Champaign : American Society of Animal Science. Journal of animal science. Feb 1984. v. 58 (2). p. 482-492. ill. Includes references. (NAL Call No.: 49 J82).

0649

Behavior and growth parameters of Large White turkeys as affected by floor space and beak trimming. I. Males.

Denbow, D.M.POSCAL. Leighton, A.T.; Hulet, R.M. Champaign : Poultry Science Association. Poultry science. Jan 1984. v. 63 (1). p. 31-37. Includes references. (NAL Call No.: 47.8 AM33P).

0650

Behavior and growth parameters of Large White turkeys as affected by floor space and beak trimming. II. Females.

POSCAL. Leighton, A.T. Jr. Denbow, D.M.; Hulet, R.M. Champaign, Ill. : Poultry Science Association. Poultry science. Mar 1985. v. 64

0651

Behavior and learning in horses: applications in management and training.

Fiske, J.C. College Station, Student Chapter of the American Veterinary Medical Association of the Agricultural and Mechanical College of Texas. Southwestern veterinarian. Jan 1979. v. 32 (1). p. 37-44. ill. (NAL Call No.: 41.8 S082).

0652

Behavior and management of high yielding dairy cows.

Albright, J.L. Clovis, Calif., Agriservices Foundation. Dairy science handbook. 1981. v. 14. p. 343-350. ill. (NAL Call No.: SF221.D335).

0653

Behavior and performance of pigs grouped by three different methods at weaning.

Friend, T.H.JANSAG. Knabe, D.A.; Tanksley, T.D. Jr. Champaign : American Society of Animal Science. Journal of animal science. Dec 1983. v. 57 (6). p. 1406-1411. Includes references. (NAL Call No.: 49 J82).

0654

Behavior and performance of weanling pigs in pens equipped with hide areas.

JANSAG. McGlone, J.J. Curtis, S.E. Champaign, Ill. : American Society of Animal Science. Journal of animal science. Jan 1985. v. 60 (1). p. 20-24. ill. Includes references. (NAL Call No.: DNAL 49 J82).

0655

Behavior and viability of the premature neonatal foal after induced parturition.

AJVRRAH. Leadon, D.P. Jeffcott, L.B.; Rossdale, P.D. Schaumburg, Ill. : American Veterinary Medical Association. American journal of veterinary research. Aug 1986. v. 47 (8). p. 1870-1873. ill. Includes references. (NAL Call No.: DNAL 41.8 AM3A).

0656

Behavior, development, and training of the horse / Frederic J. Sautter, John A. Glover.

Sautter, Frederic J. Glover, John A.,; 1949-. New York Arco Pub. c1981. Includes index. 149 p. ; 21 cm. Bibliography: p. 139-144. (NAL Call No.: SF281.S28).

(ANIMAL ECOLOGY)

0657

The behavior of confined calves raised for veal: are these animals distressed? (Livestock ethology).
Kiley-Worthington, M. Washington : Institute for the Study of Animal Problems. International journal for the study of animal problems. July/Sept 1983. v. 4 (3). p. 198-213. ill. Includes references. (NAL Call No.: HV4701.149).

0658

Behavior of cows using magnetic feeder.
Moore, C.L. Springfield. Transactions Illinois State Academy of Science. 1978. v. 71 (1). p. 62-71. ill. 2 ref. (NAL Call No.: 500 IL6).

0659

Behavior of dairy calves reared in hutches as affected by temperature.
TAAEA. Brunsvoold, R.E. Cramer, C.O.; Larsen, H.J. St. Joseph, Mich. : The Society. Transactions of the ASAE - American Society of Agricultural Engineers. July/Aug 1985. v. 28 (4). p. 1265-1268. Includes references. (NAL Call No.: DNAL 290.9 AM32T).

0660

Behavior of ewes and lambs subjected to restraint fostering.
Price, E.O. Dunbar, M.; Dally, M.R. Champaign, Ill. : American Society of Animal Science. Journal of animal science. May 1984. v. 58 (5). p. 1084-1089. ill. Includes references. (NAL Call No.: 49 J82).

0661

Behavior of feral horses and ponies.
McCort, W.D. JANS. Champaign : American Society of Animal Science. Journal of animal science. Feb 1984. v. 58 (2). p. 493-499. Includes references. (NAL Call No.: 49 J82).

0662

Behavior of horses.
Goff, K. Melbourne, The Department. Agnotes - Melbourne, Dept. of Agriculture. Sept 1979. Sept 1979. (810/79). 2 p. 5 ref. (NAL Call No.: S3.A36).

0663

Behavior of nursing lambs in straw-bedded and expanded metal floor pens.
Brown, D.E. Dombrowski, D.; Hinds, F.C. (Champaign, Ill. : distributed by the American Society of Animal Science, 1981). Joint meeting / Canadian Society of Animal Science, Western Branch (and) American Society of Animal Science, Western Section, Vancouver, B.C., Canada, June 23rd-25th, 1981. p. 167-168. 5 ref. (NAL Call No.: SF5.C35 1981).

0664

Behavior of parturient ewes in group-lambing pens with and without cubicles.
Gonyou, H.W. Stookey, J.M. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. July 1985. v. 14 (2). p. 163-171. Includes 14 references. (NAL Call No.: DNAL QL750.A6).

0665

Behavior of sick animals.
Hart, B.L. Philadelphia, Pa. : W.B. Saunders Company. The Veterinary clinic of North America : food animal practice. In the series analytic: Farm animal behavior / edited by E.O. Price.~ Literature review. July 1987. v. 3 (2). p. 383-391. ill. Includes references. (NAL Call No.: DNAL SF601.V535).

0666

The behavior of young Friesian bulls during social re-grouping at an abattoir. Influence of an overhead electrified wire grid.
Kenny, F.J. Tarrant, P.V. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. Oct 1987. v. 18 (3/4). p. 233-246. Includes references. (NAL Call No.: DNAL QL750.A6).

0667

Behavioral and physiological responses to spatial novelty in dairy cows.
CNJNA. Kondo, S. Hurnik, J.F. Ottawa : Agricultural Institute of Canada. Canadian journal of animal science. June 1988. v. 68 (2). p. 339-343. Includes references. (NAL Call No.: DNAL 41.8 C163).

0668

The behavioral development and maternal care in Thoroughbreds.
Kusunose, R. Sawazaki, H. Tokyo, Japan : Japanese Society of Zootechnical Science, 1983. New strategies for improving animal production for human welfare : proceedings / the Fifth World Conference on Animal Production, August

(ANIMAL ECOLOGY)

14-19, 1983. v. 2 p. 809-810. Includes references. (NAL Call No.: DNAL SF5.W6 1983).

0669

Behavioral genetics.

Hohenboken, W.D. Philadelphia, Pa. : W.B. Saunders Company. The Veterinary clinic of North America : food animal practice. In the series analytic: Farm animal behavior / edited by E.O. Price. Literature review. July 1987. v. 3 (2). p. 217-229. Includes references. (NAL Call No.: DNAL SF601.V535).

0670

Behavioral interactions of dairy cows with their newborn calves.

Kurosaki, Z. Sonoda, T.; Sato, S.; Araki, F.; Nakamura, I. Tokyo, Japan : Japanese Society of Zootechnical Science, 1983. New strategies for improving animal production for human welfare : proceedings / the Fifth World Conference on Animal Production, August 14-19, 1983. v. 2 p. 805-806. Includes references. (NAL Call No.: DNAL SF5.W6 1983).

0671

Behavioral observations and operant procedures using microwaves as a heat source for young chicks.

POSCAL. Morrison, W.D. McMillan, I.; Bate, L.A.; Otten, L. Champaign, Ill. : Poultry Science Association. Poultry science. Aug 1986. v. 65 (8). p. 1516-1521. Includes references. (NAL Call No.: DNAL 47.8 AM33P).

0672

Behavioral, physiological and functional aspects of stereotyped behavior: a review and a re-interpretation.

JANSAG. Dantzer, R. Champaign, Ill. : American Society of Animal Science. Journal of animal science. Paper presented at a symposium on "Indices to measure animal Well-Being," August 15, 1985, Athens, Georgia. June 1986. v. 62 (6). p. 1776-1786. Includes references. (NAL Call No.: DNAL 49 J82).

0673

Behavioral problems in horses.

Houpt, K.A. Manhattan : The Association. Proceedings of the ... annual convention of the American Association of Equine Practitioners. 1985 (pub. 1986) (31st). p. 113-124. Includes references. (NAL Call No.: DNAL SF601.A46).

0674

Behavioral problems, including vices and cannibalism.

Smith, W.J. Penny, R.H.C. Ames, Iowa : Iowa State University Press, 1986. Diseases of swine / edited by A.D. Leman ... et al. ; with 99 authoritative contributors selected for their recognized leadership in this field. p. 762-772. ill. Includes references. (NAL Call No.: DNAL SF971.D8 1986).

0675

Behavioral responses to stress in farm animals.

Ewbank, R. Bethesda, Md. : American Physiological Society, c1985. Animal stress / editor, Gary P. Moberg. Paper presented at a symposium, July 1983, sponsored by the College of Agriculture and Environmental Sciences at the University of California, Davis. p. 73-79. Includes 21 references. (NAL Call No.: DNAL OP82.2.S8A55).

0676

Behavioral studies of dairy cow sensitivity to AC and DC currents.

Gustafson, R.J. Brennan, T.M.; Appleman, R.D. St. Joseph, Mich. : The Society. Paper - American Society of Agricultural Engineers (Microfiche collection). Paper presented at the 1984 Winter Meeting of the American Society of Agricultural Engineers. Available for purchase from: The American Society of Agricultural Engineers, Order Dept., 2950 Niles Road., Winter 1984. (84-3504). 17 p. (NAL Call No.: DNAL FICHE 290.9 AM32P).

0677

Behavioral studies of dairy cow sensitivity to AC and DC electric currents.

TAAEA. Gustafson, R.J. Brennan, T.M.; Appleman, R.D. St. Joseph, Mich. : The Society. Transactions of the ASAE - American Society of Agricultural Engineers. Sept/Oct 1985. v. 28 (5). p. 1680-1685. ill. Includes references. (NAL Call No.: DNAL 290.9 AM32T).

0678

Behaviour and abomasal damage in individual veal calves.

Wlepkema, P.R. Hellemond, K.K. van; Roessingh, P.; Romberg, H. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. Oct 1987. v. 18 (3/4). p. 257-268. ill. Includes references. (NAL Call No.: DNAL QL750.A6).

(ANIMAL ECOLOGY)

0679

Behaviour and daily activity rhythm of European bison in winter (Bison bonasus).
Cabon-Raczyńska, K. Krasinska, M.; Krasinski, Z. Warszawa : Polish Scientific Publishers. Acta theriologica. Aug 1983. v. 28 (9/20). p. 273-299. Includes references. (NAL Call No.: 410 AC88).

0680

Behaviour and management of free-ranging sheep and cattle in the arid zone of inland Australia.
WARVA. Squires, V.R. Rome, Italy : FAD. World animal review. 1984. (52). p. 29-33. illl. Includes references. (NAL Call No.: DNAL SF191.W6).

0681

Behaviour and performance of veal calves under different stabling conditions.
AZOAA. Verga, M. Pavesi, M.; Cerutti, F. Paris : Institut National de la Recherche Agronomique. Annales de zootechnie. 1985. v. 34 (3). p. 247-256. illl. Includes references. (NAL Call No.: DNAL 49 F84).

0682

Behaviour and state of health of cows and calves kept together or separately in the post partum period.
Metz, J. Darmstadt : Kuratorium fur Technik und Bauwesen in der Landwirtschaft, 1984?
Proceedings of the International Congress on Applied Ethology in Farm Animals, Kiel, 1984 / edited by J. Unshelm, G. van Putten and K. Zeeb ; sponsored by the Federal Ministry of Food, Agriculture and Forestry. p. 358-362. Includes references. (NAL Call No.: DNAL SF756.7.I5 1984).

0683

Behaviour and welfare of veal calves in relation to husbandry systems /J.G. de Wilt.
Wilt, J. G. de. Wageningen, Netherlands : Landbouwhogeschool te Wageningen, 1985? . Thesis (Ph. D.)--Landbouwhogeschool te Wageningen, 1985. Summary and vita also in Dutch. 138 p. : illl. ; 24 cm. Bibliography: p. 117-122. (NAL Call No.: DNAL SF206.W5).

0684

Behaviour and well-being of hens (*Gallus domesticus*) in alternative housing environments.
WPSJA. Craig, J.V. Adams, A.W. Aylesbury : World's Poultry Science Association. World's poultry science journal. Literature review. Oct

1984. v. 40 (3). p. 221-240. Includes references. (NAL Call No.: DNAL 47.8 W89).

0685

Behaviour at parturition and lamb survival of Booroola Merino sheep.
LPSCD. Dwens, J.L. Bindon, B.M.; Edey, T.N.; Piper, L.R. Amsterdam : Elsevier Science Publishers B.V. Livestock production science. Dec 1985. v. 13 (4). p. 359-372. illl. Includes references. (NAL Call No.: DNAL SF1.L5).

0686

Behaviour during nest leaving in free-ranging domestic pigs.
Jensen, P. Redbo, I. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. Oct 1987. v. 18 (3/4). p. 355-362. Includes references. (NAL Call No.: DNAL QL750.A6).

0687

Behaviour factors influencing the rearing of Sahiwal-cross calves.
Ward, J.D.B. Bremner, K.J.; Kilgour, R. Wellington : Editorial Services Ltd. Proceedings of ... annual conference - New Zealand Society of Animal Production. 1983. v. 43. p. 171-173. (NAL Call No.: 49.9 N483).

0688

Behaviour, genetics and animal welfare (Livestock, poultry).
Kilgour, R. Clovis, Calif., Agriservices Foundation. Sheep & goat handbook. 1981. Papers presented at The International Stockmen's School, January 12-15, 1981, San Antonio, Texas. v. 2. p. 317-323. illl. 19 ref. (NAL Call No.: SF371.S43).

0689

Behaviour in cows before and during parturition.
Schilling, E. Hartwig, H.H. Darmstadt : Kuratorium fur Technik und Bauwesen in der Landwirtschaft, 1984? . Proceedings of the International Congress on Applied Ethology in Farm Animals, Kiel, 1984 / edited by J. Unshelm, G. van Putten and K. Zeeb ; sponsored by the Federal Ministry of Food, Agriculture and Forestry. p. 391-394. Includes references. (NAL Call No.: DNAL SF756.7.I5 1984).

(ANIMAL ECOLOGY)

0690

Behaviour in relation to reproduction, management and welfare of farm animals : proceedings of a symposium held at the University of New England, Armidale, N.S.W., Australia, September, 1979 / edited by Manika Wodzicka-Tomaszewska, T.N. Edey and J.J. Lynch.

Wodzicka-Tomaszewska, Manika.; Edey, T. N.; Lynch, J. J. (Armidale, N.S.W., Australia University of New England) 1980. 202 p. : ill. ; 28 cm. --. Includes bibliographies. (NAL Call No.: S495.R8 no.4).

0691

Behaviour of bulls and steers in large commercial groups.

UAABB. Tennessen, T. Price, M.A. Edmonton : The Faculty. Agriculture & forestry bulletin - Alberta University. Faculty of Extension. June 15, 1984. p. 29-32. ill. (NAL Call No.: DNAL 101 AL1A).

0692

The behaviour of calves under four levels of lighting.

Dannenmann, K. Buchenauer, D.; Fliegner, H. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. Jan 1985. v. 13 (3). p. 243-258. Includes 28 references. (NAL Call No.: DNAL QL750.A6).

0693

Behaviour of cows in heat under large-scale conditions.

AASHA. Czako, J. Santha, T.; Keszthelyi, T. Budapest : Akademia Kiado. Acta agronomica Academiae Scientiarum Hungaricae. 1985. v. 34 (3/4). p. 358-363. Includes references. (NAL Call No.: DNAL 19 AC8).

0694

The behaviour of dairy cows and their newborn calves in individual or group housing (Reading, England).

Edwards, S.A. Amsterdam : Elsevier. Applied animal ethology. May 1983. Literature review. v. 10 (3). p. 191-198. Includes references. (NAL Call No.: QL750.A6).

0695

The behaviour of dry sows in straw yards.

BOPUDB. Jones, R.H.R. Petchey, A.M. Haddington : The Society. BSAP occasional publication : an occasional publication of the British Society of Animal Production. In the series analytic: Pig housing and the environment / edited by A.T. Smith and T.L.J. Lawrence. Proceedings of

a Symposium, October 1986, Kenilworth, Scotland. 1987. (11). p. 134-136. (NAL Call No.: DNAL SF5.B74).

0696

Behaviour of free-ranging beef cows and calves. Lidfors, L. Jensen, P. Amsterdam : Elsevier Science Publishers, B.V. Applied animal behaviour science. Aug 1988. v. 20 (3/4). p. 237-247. Includes references. (NAL Call No.: DNAL QL750.A6).

0697

The behaviour of gilts in relation to the time spent in different housing systems.

Schlichting, M.C. Smidt, D. Darmstadt : Kuratorium fur Technik und Bauwesen in der Landwirtschaft, 1984? . Proceedings of the International Congress on Applied Ethology in Farm Animals, Kiel, 1984 / edited by J. Unshelm, G. van Putten and K. Zeeb ; sponsored by the Federal Ministry of Food, Agriculture and Forestry. p. 156-158. Includes references. (NAL Call No.: DNAL SF756.7.I5 1984).

0698

Behaviour of group-housed sows using an electronic individual feeding system.

Edwards, S.A. Armsby, A.W.; Large, J.W. Darmstadt : Kuratorium fur Technik und Bauwesen in der Landwirtschaft, 1984? . Proceedings of the International Congress on Applied Ethology in Farm Animals, Kiel, 1984 / edited by J. Unshelm, G. van Putten and K. Zeeb ; sponsored by the Federal Ministry of Food, Agriculture and Forestry. p. 222-235. Includes references. (NAL Call No.: DNAL SF756.7.I5 1984).

0699

The behaviour of horses in relation to management and training /Marthe Kiley-Worthington.

Kiley-Worthington, M. London : J. A. Allen, 1987. Includes index. xviii, 265 p. : ill. ; 23 cm. Bibliography: p. 253 -257. (NAL Call No.: DNAL SF281.K54).

0700

Behaviour of laying hens on a controlled feeding schedule.

Preston, A.P. Genova, Italy, (s.n.). Zootecnica international. Nov 1981. Nov 1981. (11). p. 10, 12-13. Includes 2 ref. (NAL Call No.: SF600.Z6).

(ANIMAL ECOLOGY)

0701

The behaviour of maintenance and the intensive husbandry of cattle, sheep and pigs.
Fraser, A.F. AGEND. Amsterdam : Elsevier.
Agriculture ecosystems & environment. Feb 1983.
v. 9 (i). p. 1-23. Includes references. (NAL
Call No.: S601.A34).

0702

Behaviour of roaster chickens towards an automatic weighing perch.
BPOSA. Newberry, R.C. Hunt, J.R.; Gardiner,
E.E. Harlow, Essex : Longman. British poultry
science. Apr 1985. v. 26 (2). p. 229-237.
Includes references. (NAL Call No.: DNAL 47.8
B77).

0703

Behaviour of sheep transferred from pasture to an animal house.
Done-Currie, J.R. Hecker, J.F.;
Wodzicka-Tomaszewska, M. Amsterdam : Elsevier.
Applied animal behaviour science. Mar 1984. v.
12 (1/2). p. 121-130. ill. Includes references.
(NAL Call No.: QL750.A6).

0704

The behaviour of tethered sows when given the opportunity to exercise.
Blackshaw, J.K. McVeigh, J.F. Sydney : Pergamon
Press. Proceedings of the Australian Society of
Animal Production. 1986. v. 16. p. 147-150.
Includes references. (NAL Call No.: DNAL 49.9
AU72).

0705

Behaviour of the ewe and lamb at lambing and its relationship to lamb mortality.
Arnold, G.W. Morgan, P.D. Amsterdam : Elsevier
North-Holland. Developments in animal and
veterinary sciences. 1985. v. 18. p. 97-118.
Includes 28 references. (NAL Call No.: DNAL
QL1.D48).

0706

Behaviour of the hen in different environments.
Hughes, B.O. Amsterdam, Elsevier. Animal
regulation studies. Oct 1980. v. 3 (1/2). p.
65-71. ill. 16 ref. (NAL Call No.: HV4701.A52).

0707

The behaviour of the pigstockman and its influence on pig performance and behaviour--a review.
Seabrook, M.F. Wallingford : Commonwealth
Agricultural Bureaux. Pig news and information.
Literature review. Dec 1988. v. 9 (4). p.
403-406. Includes references. (NAL Call No.:
DNAL SF391.P55).

0708

Behaviour of weaned Hariana calves to pail feeding.
IJAHIA. Tomar, S.S. Calcutta : Sd. A.
Chatterjee. Indian journal of animal health.
June 1984. v. 23 (i). p. 63-66. Includes
references. (NAL Call No.: DNAL SF1.I4).

0709

Behaviour of weaned Holstein-Friesian Hariana calves to pail feeding.
Tomar, S.S. Bangalore, T.A. Gaffar. Livestock
adviser. Aug 1981. v. 6 (8). p. 13-16. 4 ref.
(NAL Call No.: SF1.L53).

0710

Behaviour problems in horses /Susan McBane.
McBane, Susan. Newton Abbot : David & Charles,
1987. Includes index. 304 p. ; ill. ; 24 cm.
(NAL Call No.: DNAL SF281.M32).

0711

Behaviour, production and welfare in relation to animal density for dairy cows in loose housing.
Krohn, C.C. Konggaard, S.P. Copenhagen :
Landhusholdningsselektabets Forlag, 1987.
Research in cattle production : Danish status
and perspectives : contribution in honor of A.
Neimann-Sorensen, 1 May 1987 / B. Bech
Andersen ... et al. . p. 160-168. Includes
references. (NAL Call No.: DNAL SF201.R47
1987).

0712

Behavioural and growth responses of broiler chickens to dietary water content and climatic variables.
BPOSA. Abasiekong, S.F. Oxfordshire : Carfax
Publishing Company. British poultry science.
Sept 1988. v. 29 (3). p. 563-570. Includes
references. (NAL Call No.: DNAL 47.8 B77).

(ANIMAL ECOLOGY)

0713

Behavioural and reproductive strategies in wild forms of Sus scrofa (European wild boar and feral pigs).

Mauget, R. CTVSD. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1981. Paper presented at the Seminar in the EEC Programme of Coordination of Research on Animal Welfare, Brussels, November 25-26, 1980. v. 11. p. 3-15. illl. Includes references. (NAL Call No.: SF600.C82).

0714

Behavioural aspects of stress.

CTVSD. Wiepkema, P.R. Dordrecht : Martinus Nijhoff Publishers. Current topics in veterinary medicine and animal science. In the series analytic: Biology of stress in farm animals: an integrative approach / edited by P.R. Wiepkema and P.W.M. van Adrichem. A seminar in the CEC programme of coordination research on animal welfare, April 17-18, 1986, Oosterbeek, Netherlands.~ Literature review. 1987. v. 42. p. 113-133. Includes references. (NAL Call No.: DNAL SF600.C82).

0715

Behavioural estimates of auditory thresholds in hens.

BPOSA. Temple, W. Foster, T.M.; O'Donnell, C.S. Harlow, Essex : Longman. British poultry science. Oct 1984. v. 25 (4). p. 487-493. Includes references. (NAL Call No.: DNAL 47.8 B77).

0716

Behavioural patterns of growing buffalo heifers under three different housing conditions.

IJDAS. Singh, M.P. Karki, D.B.; Mehla, O.P.; Sastry, N.S.R. New Delhi : Indian Dairy Association. The Indian journal of dairy science. Dec 1985. v. 38 (4). p. 289-294. Includes references. (NAL Call No.: DNAL 44.8 IN28).

0717

Behavioural responses to stress in farm animals.

CTVSD. Odberg, F.O. Dordrecht : Martinus Nijhoff Publishers. Current topics in veterinary medicine and animal science. In the series analytic: Biology of stress in farm animals: an integrative approach / edited by P.R. Wiepkema and P.W.M. van Adrichem. A seminar in the CEC programme of coordination research on animal welfare, April 17-18, 1986, Oosterbeek, Netherlands.~ Literature review. 1987. v. 42. p. 135-150. Includes references. (NAL Call No.: DNAL SF600.C82).

0718

Behavioural tests to quantify adaptation in domestic animals (Physiological and learning tests).

Verga, M. CTVSD. Carenzi, C. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1983. Paper presented at the Seminar on Indicators Relevant to Farm Animal Welfare, Mariensee, 9-10 November 1982. v. 23. p. 97-108. illl. Includes references. (NAL Call No.: SF600.C82).

0719

Beteendestudier pa logsgaende och fixerade sinsuggor under samma skotsel-, utfodrings- och stallforhallanden = Behavior studies of "loose" and "fixed" dry sows maintained under the same husbandry, feeding and stable conditions / Mats Jeppsson, Jorgen Svendsen, Bengt Andreasson. - Jeppsson, Mats. Lund Swedish University of Agricultural Sciences, Dept. of Farm Buildings 1980. English summary. 53 p. : illl. --. Bibliography: p. 43-45. (NAL Call No.: TH4911.A1S9 (no.) 10).

0720

Biological basis for animal welfare control.

Signoret, J.P. CTVSD. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1983. Paper presented at the Seminar on Farm Animal Housing and Welfare, Aberdeen, July 28-30, 1982. v. 24. p. 301-309. (NAL Call No.: SF600.C82).

0721

Boars like a little loving too (Influence of social conditions after puberty on boar sexual behaviour).

Adam, J.L. Wellington. Pork industry gazette. Dec 1978. v. 8 (6). p. 35-36. illl. 1 ref. (NAL Call No.: HD9435.N45P6).

0722

The Brain and behavior of the fowl /edited by Takanori Okawa, --.

Okawa, Takanori, 1934-. Tokyo : Japan Scientific Societies Press, c1983. xiii, 352 p. : illl. ; 24 cm. Includes bibliographical references and index. (NAL Call No.: DNAL QL696.G27B73).

0723

Breed differences in pig behavior: effects of lighting, loading methods.

Marshall-Nimis, M. St. Paul, Minn. : The Institute. Official proceedings : annual meeting - Livestock Conservation Institute. 1986. p. 44-46. (NAL Call No.: DNAL 280.3409

(ANIMAL ECOLOGY)

L75A).

0724

The buller syndrome in American bison bulls
(*Bison bison*, social and sexual behavior,
Montana).

Lott, D.F. Amsterdam : Elsevier. Applied animal
ethology. Nov 1983. v. 11 (2). p. 183-186.
Includes references. (NAL Call No.: QL750.A6).

0725

Cage level and fear in the domestic fowl.
Jones, R.B. Darmstadt : Kuratorium fur Technik
und Bauwesen in der Landwirtschaft, 1984? .
Proceedings of the International Congress on
Applied Ethology in Farm Animals, Kiel, 1984 /
edited by J. Unshelm, G. van Putten and K. Zeeb
; sponsored by the Federal Ministry of Food,
Agriculture and Forestry. p. 217-220. Includes
references. (NAL Call No.: DNAL SF756.7.I5
1984).

0726

Calf control by voice command in a Brazilian
dairy (Behavior, *Bos indicus*, cattle
management, Zebu).

Murphy, R.M. Duarte, F.A.M. Amsterdam :
Elsevier. Applied animal ethology. Sept 1983.
v. 11 (1). p. 7-18. ill. Includes references.
(NAL Call No.: QL750.A6).

0727

Can physiological criteria be used to assess
welfare in pigs.
Dantzer, R. CTVSD. Mormede, P. The Hague :
Martinus Nijhoff. Current topics in veterinary
medicine and animal science. 1981. Paper
presented at the Seminar in the EEC Programme
of Coordination of Research on Animal Welfare,
Brussels, November 25-26, 1980. v. 11. p.
53-74. ill. Includes references. (NAL Call No.:
SF600.C82).

0728

Cannibalism and feather pecking in poultry
(Chicken behavior).
London, The Service. Leaflet - Great Britain,
Ministry of Agriculture, Fisheries and Food,
Agricultural Development and Advisory Service.
1981. 1981. (480). 5 p. (NAL Call No.:
S217.L4).

0729

Cardiac response of domestic chickens to hawk
and goose models (*Gallus gallus*, behavior,
fear, heart rates).

Moore, E.L.BPRDD. Mueller, H.C. Amsterdam :
Elsevier. Behavioural processes. Sept 1982. v.
7 (3). p. 255-258. ill. Includes references.
(NAL Call No.: QL750.B4).

0730

A case of "reversed cannibalism" the piglets
damaging the sow (Behavior, injuries).

Ladewig, J. Kloepfel, P.; Kaliweit, E. Paris :
Dept. de pathologie animale de l'Institut
national de la recherche agronomique. Annales
de recherches vétérinaires = Annals of
veterinary research. 1984. Paper presented at
the "CEC Workshop on Welfare of Confined Sows,"
May 26-27, 1983, Rennes, France. v. 15 (2). p.
275-277. Includes references. (NAL Call No.:
SF602.A5).

0731

Casualty emergency slaughter.

Thornton, D.A.K. Cheshire : The Association.
British Cattle Veterinary Association
proceedings. 1983/1984. p. 157-161. (NAL Call
No.: DNAL SF961.B71).

0732

Cattle behavior and cattle handling.

Grandin, T. Stillwater, Okla. : The
Association. Proceedings ... annual convention
- American Association of Bovine Practitioners.
Meeting held on November 18-21, 1986, in
Louisville, Kentucky. Apr 1987. (19th). p.
60-64. ill. Includes references. (NAL Call No.:
DNAL SF961.A5).

0733

Cattle memory for food resource level and
locations.

PMWSA. Bailey, D.W. Rittenhouse, L.R.; Hart,
R.H.; Swift, D.M.; Richards, R.W. S.l. : The
Society. Proceedings, annual meeting - Western
Section, American Society of Animal Science.
Meeting held on June 15th-17th, 1988, Pomona,
California. 1988. v. 39. p. 8-11. ill. Includes
references. (NAL Call No.: DNAL 389.9 AM31).

0734

The causal organization of climax behaviour in
the domestic fowl (*Gallus domesticus*).

Bakhuis, W.L. Nes, J.C.M. van de. Leiden, E.J.
Brill. Behaviour. 1979. v. 70 (pt.3/4). p.
185-230. ill. Bibliography p. 227-230. (NAL
Call No.: 410 B393).

(ANIMAL ECOLOGY)

0735

Causes of floor-laying in poultry.

Rietveld-Piepers, B. Wiepkema, P.R.; Blokhuis, H.J. Darmstadt : Kuratorium fur Technik und Bauwesen in der Landwirtschaft, 1984? . Proceedings of the International Congress on Applied Ethology in Farm Animals, Kiel, 1984 / edited by J. Unshelm, G. van Putten and K. Zeeb ; sponsored by the Federal Ministry of Food, Agriculture and Forestry. p. 196-200. Includes references. (NAL Call No.: DNAL SF756.7.I5 1984).

0736

Changes in activity, spatial pattern and social behavior in calves after grouping.

Kondo, S. Kawakami, N.; Kohama, H.; Nishino, S. Amsterdam : Elsevier. Applied animal ethology. Jan 1984. v. 11 (3). p. 217-228. illl. Includes references. (NAL Call No.: QL750.A6).

0737

Changes in heart rate and respiratory frequency during natural behaviour of ducks, with particular reference to diving.

Butler, P.J. Woakes, A.J. Cambridge, Cambridge University Press. Journal of experimental biology. Apr 1979. v. 79. p. 283-300. illl. Bibliography p. 300. (NAL Call No.: 442.8 B77).

0738

Changes in maternal-young associations with increasing age of lambs.

Hinch, G.N. Lecrivain, E.; Lynch, J.U.; Elwin, R.L. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. June 1987. v. 17 (3/4). p. 305-318. Includes references. (NAL Call No.: DNAL QL750.A6).

0739

Changes in neurotransmitter amino acids content in several CNS areas from aggressive and non-aggressive bull strains.

PHBHA. Munoz-Blanco, J. Porras Castillo, A. Elmsford, N.Y. : Pergamon Press. Physiology & behavior. 1987. v. 39 (4). p. 453-457. Includes references. (NAL Call No.: DNAL QP1.P4).

0740

Changes in serum cortisol reveal functional differences in frustration-induced chain chewing in pigs.

PHBHA. Dantzer, R. Gonyou, H.W.; Curtis, S.E.; Kelley, K.W. Elmsford, N.Y. : Pergamon Press. Physiology & behavior. 1987. v. 39 (6). p. 775-777. Includes references. (NAL Call No.: DNAL QP1.P4).

0741

Changes in spatial and social behavior in calves after grouping.

Kondo, S. Nishino, S. Tokyo, Japan : Japanese Society of Zootechnical Science, 1983. New strategies for improving animal production for human welfare : proceedings / the Fifth World Conference on Animal Production, August 14-19, 1983. v. 2 p. 815-816. Includes references. (NAL Call No.: DNAL SF5.W6 1983).

0742

The characterisation of stereotyped behaviour in stalled sows by informational redundancy.

Stolba, A. Baker, N.; Wood-Gush, D.G.M. Leiden : E.J. Brill. Behaviour. 1983. v. 87 (pt.3/4). p. 157-182. illl. Includes references. (NAL Call No.: 410 B393).

0743

The characteristics of equine sleep (Horses, behavior).

Houpt, K.A. Santa Barbara, Calif., Veterinary Practice Pub. Co. Equine practice. July/Aug 1980. v. 2 (4). p. 8, 10, 12-13, 16-17. illl. 3 ref. (NAL Call No.: SF951.E62).

0744

Chicken behavior study seeks what's best for hens.

Batavia, N.Y. : Agricultural Div. of Cooperative Extension, Four Western Plain Counties, N.Y. State. Ag impact. Oct 1986. v. 13 (10). p. 7-8. illl. (NAL Call No.: DNAL S544.3.N7A45).

0745

Chicks in a novel environment: effects of conspecific calls.

Vallortigara, G. Berlin, W. Ger. : Paul Parey. Ethology. Aug 1988. v. 78 (4). p. 341-345. Includes references. (NAL Call No.: DNAL QL750.E74).

0746

Choice of social conditions by laying hens.

BPOSA. Appleby, M.C. McRae, H.E.; Duncan, I.J.H.; Bisazza, A. Harlow, Essex : Longman. British poultry science. Jan 1984. v. 25 (1). p. 111-117. illl. Includes references. (NAL Call No.: DNAL 47.8 B77).

(ANIMAL ECOLOGY)

0747

Circadian behaviour, including thermoregulatory activities, in feedlot lambs.
Shreffler, C. Hohenboken, W. Amsterdam, Elsevier. Applied animal ethology. July 1980. v. 6 (3). p. 241-246. ill. 15 ref. (NAL Call No.: QL750.A6).

0748

Cognitive aspects of social behaviour in the domestic fowl /edited by Rene Zayan, Ian J.H. Duncan.
Zayan, Rene.; Duncan, Ian J. H. Amsterdam ; New York : Elsevier, 1987. xv, 492 p. : ill. ; 31 cm. Includes bibliographies. (NAL Call No.: DNAL SF493.5.C6).

0749

Common behavior problems in horses.
Marcella, K.L. Santa Barbara, Calif. : Veterinary Practice Pub. Co. Equine practice. June 1988. v. 10 (6). p. 22-26. Includes references. (NAL Call No.: DNAL SF951.E62).

0750

Common practices and problems related to artificially rearing calves: an ethological analysis.
Friend, T.H. Dellmeier, G.R. Amsterdam : Elsevier Science Publishers, B.V. Applied animal behaviour science. Paper presented at the "Symposium on Animal Bio-ethics and Applied Ethology," August 1987, Montreal, Canada. July 1988. v. 20 (1/2). p. 47-62. Includes references. (NAL Call No.: DNAL QL750.A6).

0751

The common vices of poultry (Behavior).
Shakir, S.A. Ramakrishnan, R. New Delhi, C. P. Narang. Poultry guide. Oct 1980. v. 17 (10). p. 41-42. (NAL Call No.: SF481.P64).

0752

Comparative studies of diet selection by sheep and cattle: blanket bog and heather moor.
JECDA. Grant, S.A. Torvell, L.; Smith, H.K.; Suckling, D.E.; Forbes, T.D.A.; Hodgson, J. Oxford : Blackwell Scientific. Journal of ecology. Dec 1987. v. 75 (4). p. 947-960. Includes references. (NAL Call No.: DNAL 450 J829).

0753

Comparison of four methods of calf confinement. II. Behavior.
JANSAG. Dellmeier, G.R. Friend, T.H.; Gbur, E.E. Champaign, Ill. : American Society of Animal Science. Journal of animal science. May 1985. v. 60 (5). p. 1102-1109. Includes 35 references. (NAL Call No.: DNAL 49 J82).

0754

The comparison of individual and group housing systems in gilts.
ZBFVA. Stuhec, I. Schlichting, M.C.; Unshelm, J.; Smidt, D. Ljubljana : Fakulteta. Zbornik Biotehniške fakultete univerze Edvarda Kardelja v Ljubljani : Kmetijstvo. 1986. (48). p. 219-226. Includes references. (NAL Call No.: DNAL 21.5 Z15).

0755

Comparison of the behaviour of newborn calves housed with the dam and in the calf house.
Kovalcik, K. Kovalcikova, M.; Brestensky, V. Amsterdam, Elsevier. Applied animal ethology. Oct 1980. v. 6 (4). p. 377-380. 3 ref. (NAL Call No.: QL750.A6).

0756

A comparison of the early behaviour of intensively and extensively reared calves.
ANIPA. Kerr, S.G.C. Wood-Gush, D.G.M. Neston, South Wirral, England : British Society of Animal Production. Animal production. Oct 1987. v. 45 (pt.2). p. 181-190. Includes references. (NAL Call No.: DNAL 49 AN55).

0757

A comparison of the nursing and suckling behaviour of group- and individually-housed sows and their litters.
Bryant, M.J. ANIPA. Rowlinson, P.; Steen, H.A.M. van der. Harlow : Longman. Animal production. June 1983. v. 36 (pt.3). p. 445-451. ill. Includes references. (NAL Call No.: 49 AN55).

0758

Comparison of the time budgets and circadian patterns of maintenance activities in sheep, cattle and horses grouped together.
Arnold, G.W. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. Nov 1984. v. 13 (1/2). p. 19-30. ill. Includes references. (NAL Call No.: DNAL QL750.A6).

(ANIMAL ECOLOGY)

0759

Comparison of two nesting materials for broiler breeders.
POSICAL. Brake, J. Champaign, Ill. : Poultry Science Association. Poultry science. Dec 1985. v. 64 (12). p. 2263-2266. Includes references. (NAL Call No.: DNAL 47.8 AM33P).

0760

Competitive feeding behavior and social status in multiple-hen cages.
Craig, J.V. Ramos, N.C. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. Aug 1986. v. 16 (1). p. 69-76. Includes references. (NAL Call No.: DNAL QL750.A6).

0761

Competitive resource sharing by seaweed-eating sheep *Ovis aries* (Mammalia: Artiodactyla).
Paterson, I.W. London : The Zoological Society of London. Journal of zoology. Aug 1987. v. 212 (pt.4). p. 585-595. Includes references. (NAL Call No.: DNAL QL1.J68).

0762

Conspicuousness of distasteful prey affects the strength and durability of one-trial avoidance learning.
ANBEA. Roper, T.J. Redston, S. London : Bailliere Tindall. Animal behaviour. June 1987. v. 35 (pt.3). p. 739-747. Includes references. (NAL Call No.: DNAL 410.B77).

0763

Contribution of ethology to clinical interpretation of the horse's welfare.
EQVJA. Ebwank, R. London : British Equine Veterinary Association. Equine veterinary journal. Jan 1985. v. 17 (1). p. 2-3. Includes references. (NAL Call No.: DNAL SF955.E6).

0764

Control of large-scale dairy units from ethological view.
Czako, J. Tokyo, Japan : Japanese Society of Zootecnical Science, 1983. New strategies for improving animal production for human welfare : proceedings / the Fifth World Conference on Animal Production, August 14-19, 1983. v. 1 p. 192-196. Includes references. (NAL Call No.: DNAL SF5.W6 1983).

0765

Copulatory tactics in relation to sperm competition in Rocky Mountain bighorn sheep.
BESOD6. Hogg, J.T. Berlin, W. Ger. : Springer International. Behavioral ecology and sociobiology. 1988. v. 22 (1). p. 49-59. Includes references. (NAL Call No.: DNAL QL751.B4).

0766

Correlation of indices of stress with intensity of electrical shock for cows.
JDSCAE. Lefcourt, A.M. Kahl, S.; Akers, R.M. Champaign, Ill. : American Dairy Science Association. Journal of dairy science. Literature review. Mar 1986. v. 69 (3). p. 833-842. Includes 45 references. (NAL Call No.: DNAL 44.8 J822).

0767

Correlations between domestic behavior and productivity characters in sheep.
SOGBZ. Stakan, G.A. New York, N.Y. : Consultants Bureau. Soviet genetics. Translated from: Genetika, v. 23 (6), 1987, p. 1113-1119. (OH431.A1G4). Dec 1987. v. 23 (6). p. 776-780. Includes references. (NAL Call No.: DNAL OH431.A1G43).

0768

Cow-calf relationships: the effect of management systems (Behavior).
Le Neindre, P. CTVSD. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1982. v. 19. p. 24-35. ill. 11 ref. (NAL Call No.: SF600.C82).

0769

Crib-biting and windsucking--that equine enigma (Behavior, horses, preventive measures).
Owen, R.R. Bristol, John Wright & Sons. The Veterinary annual. 1982. 1982. (22nd). p. 159-168. ill. 2 p. ref. (NAL Call No.: 41.8 V6456).

0770

Crowding phenomena in dairy cows as related to available idling space in a cubicle housing system (Aggressiveness, behavior).
Metz, J.H.M. Mekking, P. Amsterdam : Elsevier. Applied animal behaviour science. Mar 1984. v. 12 (1/2). p. 63-78. ill. 111. Includes references. (NAL Call No.: QL750.A6).

(ANIMAL ECOLOGY)

0771

The current status of preference tests in the assessment of animal welfare (Health and productivity, and physiological and behavioural disturbances).

Dawkins, M.S. CTVSD. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1983. Paper presented at the Seminar on Farm Animal Housing and Welfare, Aberdeen, July 28-30, 1982.. v. 24. p. 20-26. Includes references. (NAL Call No.: SF600.C82).

0772

Danish studies on behaviour of early weaned piglets: preliminary results (Cages, housing system).

Schmidt, M. CTVSD. Adler, H.C. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1981. Paper presented at the Seminar in the EEC Programme of Coordination of Research on Animal Welfare, Brussels, November 25-26, 1980. v. 11. p. 211-225. ill. Includes references. (NAL Call No.: SF600.C82).

0773

A day in the life of a horse (Behavior).

Beaver, B.V. Edwardsville : Veterinary Medicine Publishing Co. VM/SAC, veterinary medicine & small animal clinician. Feb 1983. v. 78 (2). p. 227-228. ill. Includes references. (NAL Call No.: 41.8 M69).

0774

De-arousal properties of stereotyped behaviour: evidence from pituitary-adrenal correlates in pigs (Ethological and physiological aspects). Dantzer, R. Mormede, P. Amsterdam : Elsevier. Applied animal ethology. May 1983. v. 10 (3). p. 233-244. ill. Includes references. (NAL Call No.: QL750.A6).

0775

De ontwikkeling van het agonistisch gedrag van biggen in een groepskraamstal =The development of agonistic behaviour of piglets in a group farrowing house /E.M.T.J. Wolters. Dutch.

Wolters, E. M. T. J. Zeist : Instituut voor Veeteeltkundig Onderzoek "Schoonoord", 1988? English summary.~ "Maart 1988.". 52 p. : ill. 30 cm. Bibliography: p. 49-52. (NAL Call No.: DNAL 49.9 Ut72R no.B-314).

0776

Density and group size effects on caged hens of two genetic stocks differing in escape and avoidance behavior.

POSCAL. Okpokho, N.A. Craig, J.V.; Milliken, G.A. Champaign, Ill. : Poultry Science Association. Poultry science. Dec 1987. v. 66 (12). p. 1905-1910. Includes references. (NAL Call No.: DNAL 47.8 AM33P).

0777

Destruction of the telencephalic archistriatum on fearful, agonistic and sexual behaviors in male chickens.

NICKA3. Sonoda, T. Kurosaki, Z. Tokyo : Nihon Chikusan Gakkai. Nihon Chikusan Gakkai ho = Japanese journal of zootechnical science. Literature review. June 1985. v. 56 (6). p. 476-483. ill. Includes 43 references. (NAL Call No.: DNAL 49 N62).

0778

Determination of dominance-subordinance relationships among beef heifers in a dominance tube.

Stricklin, W.R. Kautz-Scanavy, C.C.; Greger, D.L. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. July 1985. v. 14 (2). p. 111-116. Includes 10 references. (NAL Call No.: DNAL QL750.A6).

0779

Determination of foot steps, and influence of physical environment on grazing distance travelled by sheep and goats.

IJASA4. Swain, N. Maitra, D.N.; Singh, M.; Acharya, R.M. New Delhi : Indian Council of Agricultural Research. The Indian journal of animal sciences. May 1986. v. 56 (5). p. 614-616. Includes references. (NAL Call No.: DNAL 41.8 IN22).

0780

Development and consequences of teat-order in piglets.

Rosillon-Warnier, A. Paquay, R. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. Nov 1984. v. 13 (1/2). p. 47-58. Includes references. (NAL Call No.: DNAL QL750.A6).

0781

The development and use of equipment for the automatic recording of ingestive behaviour in sheep and cattle.

Chambers, A.R.M. Hodgson, J.; Milne, J.A. Oxford, Blackwell Scientific Publications. Grass and forage science. June 1981. v. 36 (2).

(ANIMAL ECOLOGY)

p. 97-105. ill. 13 ref. (NAL Call No.: 60.19 B773).

0782

The development of aggressive behavior in male broiler chicks: a comparison with laying-type males and the effects of feed restriction.

Mench, J.A. Amsterdam : Elsevier Science Publishers, B.V. Applied animal behaviour science. Nov 1988. v. 21 (3). p. 233-242. Includes references. (NAL Call No.: DNAL QL750.A6).

0783

The development of egg-laying behaviour and nest-site selection in a strain of white laying hens /B. Rietveld-Piepers.

Rietveld-Piepers, B. 1954-. 1987. Thesis (Ph. D.)--Landbouwuniversiteit te Wageningen, 1987. Preface, summary and vita in Dutch.~ Vita. 141, 3 p. : ill. ; 24 cm. Bibliography: p. 134-141. (NAL Call No.: DNAL SF493.5.R5).

0784

The development of grooming behavior in the domestic chicken, (*Gallus gallus domesticus*).
Williams, N.S. Strungis, J.C. Champaign, Ill. Poultry Science Association. Poultry science. Mar 1979. v. 58 (2). p. 469-472. ill. 20 ref. (NAL Call No.: 47.8 AM33P).

0785

The development of head flicking behaviour by domestic fowl.

Preston, A. Darmstadt : Kuratorium fur Technik und Bauwesen in der Landwirtschaft, 1984? . Proceedings of the International Congress on Applied Ethology in Farm Animals, Kiel, 1984 / edited by J. Unshelm, G. van Putten and K. Zeeb ; sponsored by the Federal Ministry of Food, Agriculture and Forestry. p. 74-78. Includes references. (NAL Call No.: DNAL SF756.7.I5 1984).

0786

The development of nursing behaviour in swine.
Lewis, N.J. Hurnik, J.F. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. Sept 1985. v. 14 (3). p. 225-232. Includes 8 references. (NAL Call No.: DNAL QL750.A6).

0787

The development of sexual relationships in the domestic chicken (Aggressiveness, behavior).
Rushen, J. Amsterdam : Elsevier. Applied animal ethology. Sept 1983. v. 11 (1). p. 55-66. ill. Includes references. (NAL Call No.: QL750.A6).

0788

Development of social behaviour in chickens: a factor analysis (Behavioural taxonomy).
Rushen, J.BPROD. Amsterdam : Elsevier. Behavioural processes. Dec 1982. v. 7 (4). p. 319-333. ill. Includes references. (NAL Call No.: QL750.B4).

0789

Development of some behaviour patterns in piglets under semi-natural conditions.

ANIPA. Newberry, R.C. Wood-Gush, D.G.M. S.1. : Durrant. Animal production. Feb 1988. v. 46 (pt.1). p. 103-109. Includes references. (NAL Call No.: DNAL 49 AN55).

0790

Development of species identification in ducklings. XI. Embryonic critical period for species-typical perception in the hatchling.
ANBEA. Gottlieb, G. London : Bailliere Tindall. Animal behaviour. Feb 1985. v. 33 (pt.1). p. 225-233. Includes references. (NAL Call No.: DNAL 410 B77).

0791

The development of stereotypies in tethered sows.

Cronin, G.M. Wiepkema, P.R.; Hofstede, G.J. Darmstadt : Kuratorium fur Technik und Bauwesen in der Landwirtschaft, 1984? . Proceedings of the International Congress on Applied Ethology in Farm Animals, Kiel, 1984 / edited by J. Unshelm, G. van Putten and K. Zeeb ; sponsored by the Federal Ministry of Food, Agriculture and Forestry. p. 97-100. Includes references. (NAL Call No.: DNAL SF756.7.I5 1984).

0792

Development of visual species identification in ducklings: what is the role of imprinting? (Anas spp. behavior, domestic and semiwild mallards, learning).

Johnston, T.D. Gottlieb, G. London, Bailliere Tindall. Animal behaviour. Nov 1981. v. 29 (pt.4). p. 1082-1099. ill., plate. Bibliography p. 1098-1099. (NAL Call No.: 410 B77).

(ANIMAL ECOLOGY)

0793

Development of visually controlled maternal preferences in Peking ducklings.
DEPBAS. Johnston, T.D. Gottlieb, G. New York, N.Y. : John Wiley & Sons. Developmental psychobiology. Jan 1985. v. 18 (1). p. 23-36. ill. Includes references. (NAL Call No.: DNAL QP351.D4).

0794

Development of vocal behaviour in Peking ducklings.
Scoville, R. Gottlieb, G. London, Bailliere Tindall. Animal behaviour. Nov 1980. v. 28 (pt.4). p. 1095-1109. ill. 27 ref. (NAL Call No.: 410 B77).

0795

The Dictionary of ethology and animal learning /edited by Rom Harre and Roger Lamb ; advisory editors, R.D. Attenborough, D.J. McFarland, V. Reynolds.
Harre, Rom.; Lamb, Roger. Oxford : Blackwell Reference, 1986. "Based on material from Encyclopedic Dictionary of Psychology, first published 1983."--T.p. verso. ix, 171 p. : ill. ; 24 cm. Includes bibliographies and index. (NAL Call No.: DNAL QL751.D53).

0796

Dictionary of farm animal behaviour /J.F. Hurnik, A.B. Webster and P.B. Siegel. --.
Hurnik, J. F. (Jaromir Frank), 1932-. Webster, A. B._1954-; Siegel, P. B._1932-. Guelph, Ontario, Canada : University of Guelph, c1985. 176 p. ; 23 cm. (NAL Call No.: DNAL SF756.7.H8).

0797

Dietary self-selection and the regulation of protein and energy intake in chicks.
PHBHA. Elkin, R.G. Ndife, L.I.; Rogler, J.C. Elmsford, N.Y. : Pergamon Press. Physiology & behavior. May 1985. v. 34 (5). p. 743-749. Includes 51 references. (NAL Call No.: DNAL QP1.P4).

0798

Differences in behaviour between sheep and cattle during slaughter.
RVTSA. Blackmore, D.K. London : British Veterinary Association. Research in veterinary science. Sept 1984. v. 37 (2). p. 223-226. Includes 10 references. (NAL Call No.: DNAL 41.8 R312).

0799

Differences in spatial and social behavior between calves in groups of two different sizes.
Kondo, S. Ono, K. Ebetsu : The College. Journal of the College of Dairying. Natural science. Oct 1983. v. 10 (1). p. 63-71. ill. Includes references. (NAL Call No.: 44.9 R13).

0800

A different approach to horse handling, based on the Jeffery method (Behavior, Australia).
Blackshaw, J.K. Kirk, D.; Cregier, S.E. Washington : Institute for the Study of Animal Problems. International journal for the study of animal problems. Apr/June 1983. v. 4 (2). p. 117-123. Includes references. (NAL Call No.: HV4701.I49).

0801

Diurnal behavior patterns of feedlot bulls during winter and spring in northern latitudes.
Gonyou, H.W. Stricklin, W.R. Champaign, Ill. : American Society of Animal Science. Journal of animal science. May 1984. v. 58 (5). p. 1075-1083. ill. Includes references. (NAL Call No.: 49 J82).

0802

Diurnal patterns of estrous behavior of dairy cows housed in a free stall.
CNUNA. Amyot, E. Hurnik, J.F. Ottawa : Agricultural Institute of Canada. Canadian journal of animal science. Sept 1987. v. 67 (3). p. 605-614. Includes references. (NAL Call No.: DNAL 41.8 C163).

0803

Dominance hierarchies in horses (Equine behavior).
Houpt, K.A. Santa Barbara, Calif., Veterinary Practice Pub. Co. Equine practice. May/June 1979. v. 1 (3). p. 14, 17-18, 21-23. ill. 3 ref. (NAL Call No.: SF951.E62).

0804

Dominance hierarchies of cows on alpine pastures as related to phenotype (Social behavior, northern Italy).
Oberosler, R. Carenzi, C.; Verga, M. Amsterdam, Elsevier. Applied animal ethology. Jan 1982. v. 8 (1/2). p. 67-77. ill. Includes 2 p. ref. (NAL Call No.: QL750.A6).

(ANIMAL ECOLOGY)

0805

Dominance rank and cage density effects on performance traits, feeding activity and plasma corticosterone levels of laying hens. (*Gallus domesticus*). Cunningham, D.L. Van Tienhoven, A.; Goeijen, F.

de. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. Apr 1987. v. 17 (1/2). p. 139-154. Includes references. (NAL Call No.: DNAL QL750.A6).

0806

Dominance rank, fear scores and reproduction in cockerels.

BPOSA. Shabalina, A.T. Harlow, Essex : Longman. British poultry science. July 1984. v. 25 (3). p. 297-301. Includes references. (NAL Call No.: DNAL 47.8 B77).

0807

Dopamine, chick behavior and states of attention.

De Lanerolle, N.C. Millam, J.R. Washington, D.C., American Psychological Association. Journal of comparative and physiological psychology. Apr 1980. v. 94 (2). p. 346-352. ill. 17 ref. (NAL Call No.: 410 J822).

0808

Drinking behaviour of broiler chicks (in relation to future design of improved watering equipment).

Ross, P.A. Hurnik, J.F. Amsterdam : Elsevier. Applied animal ethology. Sept 1983. v. 11 (1). p. 25-31. ill. Includes references. (NAL Call No.: QL750.A6).

0809

Dry and wet seasonal studies on the grazing behaviour of native N'dama and imported Friesian bulls in a humid tropical environment. Alhassan, W.S. Kabuga, J.D. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. May 1988. v. 19 (3/4). p. 245-254. Includes references. (NAL Call No.: DNAL QL750.A6).

0810

Duration of wing flapping in chickens shackled before slaughter.

VETRAX. Gregory, N.G. Bell, J.C. London : British Veterinary Association. The Veterinary record. Dec 12, 1987. v. 121 (24). p. 567-569. Includes references. (NAL Call No.: DNAL 41.8 V641).

0811

Dust-bathing in the domestic fowl--diurnal rhythm and dust deprivation (White Leghorn laying hens, behavior).

Vestergaard, K. Amsterdam : Elsevier. Applied animal ethology. June 1982. v. 8 (5). p. 487-495. Includes references. (NAL Call No.: QL750.A6).

0812

Dustbathing behaviour of uropygial gland extirpated domestic hens.

Norgaard-Nielsen, G. Vestergaard, K. Copenhagen, Danske Dyrlægeforening. Acta veterinaria scandinavica. 1981. v. 22 (1). p. 118-128. ill. 19 ref. (NAL Call No.: 41.8 AC87).

0813

Ear lobe cannibalism in chickens (Behavior).

Awadhiya, R.P. Vegad, J.L.; Kolte, G.N. Bangalore, T.A. Gaffar. Poultry adviser. Aug 1980. v. 13 (8). p. 61-62. ill. 1 ref. (NAL Call No.: SF481.P622).

0814

Early disturbance of Merino ewes from the birth site increases lamb separations and mortality.

Putu, I.G. Poindron, P.; Lindsay, D.R. Sydney : Pergamon Press. Proceedings of the Australian Society of Animal Production. 1988. v. 17. p. 298-301. Includes references. (NAL Call No.: DNAL 49.9 AU72).

0815

Early experience.

Creel, S.R. Albright, J.L. Philadelphia, Pa. : W.B. Saunders Company. The Veterinary clinic of North America : food animal practice. In the series analytic: Farm animal behavior / edited by E.O. Price.~ Literature review. July 1987. v. 3 (2). p. 251-268. ill. Includes references. (NAL Call No.: DNAL SF601.V535).

0816

Early post-natal behaviour in lambs of ten breeds.

Slee, J. Springbett, A. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. June 1986. v. 15 (3). p. 229-240. Includes references. (NAL Call No.: DNAL QL750.A6).

(ANIMAL ECOLOGY)

0817

Early weaning and cage rearing of piglets; influence on behaviour.
Algiers, B. Berlin, W. Ger. : Paul Parey.
Zentralblatt fur Veterinarmedizin. Reihe A. Feb 1984. v. 31 (1). p. 14-24. illl. Includes references. (NAL Call No.: 41.8 Z5).

0818

The eating behaviour of fattening pigs provided concentrates and water at slow speed.
Gravas, L. Darmstadt : Kuratorium fur Technik und Bauwesen in der Landwirtschaft, 1984? . Proceedings of the International Congress on Applied Ethology in Farm Animals, Kiel, 1984 / edited by J. Unshelm, G. van Putten and K. Zeeb ; sponsored by the Federal Ministry of Food, Agriculture and Forestry. p. 205-208. illl. (NAL Call No.: DNAL SF756.7.I5 1984).

0819

The economics of farm animal welfare.
Webster, A.J.F. Washington : Institute for the Study of Animal Problems. International journal for the study of animal problems. Oct/Dec 1982. v. 3 (4). p. 301-306. (NAL Call No.: HV4701.I49).

0820

An ecopathological approach for assessing risk factors in intensive rearing systems: examples from pig production (Pathology and behavior problems).
Tillon, J.P. CTVSD. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1983. Paper presented at the Seminar on Indicators Relevant to Farm Animal Welfare, Mariensee, 9-10 November 1982. v. 23. p. 125-138. illl. (NAL Call No.: SF600.C82).

0821

The effect of air movement on the activity, lying position and huddling behaviour of weaned piglets.
AUVJA. McInnes, S.J. Blackshaw, J.K. North Melbourne, Victoria : Ramsay Ware Stockland Pty. Australian veterinary journal. Dec 1984. v. 61 (12). p. 387-392. illl. Includes references. (NAL Call No.: DNAL 41.8 AU72).

0822

The effect of air speed changes on the group postural behaviour of pigs.
Boon, C.R. London, Academic Press. Journal of agricultural engineering research. Jan 1982. v. 27 (1). p. 71-79. illl. Includes 7 ref. (NAL Call No.: 58.8 J82).

0823

The effect of an automatic feed dispenser on the behaviour of lactating dairy cows.
Collis, K.A. Amsterdam, Elsevier. Applied animal ethology. Apr 1980. v. 6 (2). p. 139-147. illl. 4 ref. (NAL Call No.: QL750.A6).

0824

Effect of artificial photoperiod on eating behavior and other behavioral observations of dairy cows.
Tanida, H. Swanson, L.V.; Hohenboken, W.D. Champaign : American Dairy Science Association. Journal of dairy science. Mar 1984. v. 67 (3). p. 585-591. illl. Includes references. (NAL Call No.: 44.8 J822).

0825

Effect of artificial wind on sheep movement along indoor races (Behavior).
Hutson, G.D. AAAHA. Mourik S.C. van. Melbourne Commonwealth Scientific and Industrial Research Organization. Australian journal of experimental agriculture and animal husbandry. June 1982. v. 22 (116). p. 163-167. illl. 5 ref. (NAL Call No.: 23 AU792).

0826

The effect of azaperone on the agonistic behaviour of boars: a pilot study.
CNVJA. Pascoe, P.J. Ottawa : VETCAN, Inc. The Canadian veterinary journal = La Revue veterinaire canadienne. July 1986. v. 27 (7). p. 272-277. Includes references. (NAL Call No.: DNAL 41.8 R3224).

0827

Effect of barn floor types on behavior of fattening steers.
Iketaki, T. Ohtani, M.; Ota, S. Tokyo, Japan : Japanese Society of Zootechnical Science, 1983. New strategies for improving animal production for human welfare : proceedings / the Fifth World Conference on Animal Production, August 14-19, 1983. v. 2 p. 811-812. Includes references. (NAL Call No.: DNAL SF5.W6 1983).

0828

The effect of beak trimming on food intake, feeding behaviour and body weight in adult hens.
Gentle, M.J. Hughes, B.O.; Hubrecht, R.C. Amsterdam, Elsevier. Applied animal ethology. Jan 1982. v. 8 (1/2). p. 147-159. illl. Includes 2 p. ref. (NAL Call No.: QL750.A6).

(ANIMAL ECOLOGY)

0829

The effect of behavioral stress on the episodic release and circadian variation of cortisol in bulls.

Ladewig, J. Darmstadt : Kuratorium fur Technik und Bauwesen in der Landwirtschaft, 1984? . Proceedings of the International Congress on Applied Ethology in Farm Animals, Kiel, 1984 / edited by J. Unshelm, G. van Putten and K. Zeeb ; sponsored by the Federal Ministry of Food, Agriculture and Forestry. p. 339-342. Includes references. (NAL Call No.: DNAL SF756.7.I5 1984).

0830

Effect of cage height and area on the behaviour of hens housed in battery cages.

BPOSA. Nicol, C.J. Oxfordshire : Carfax Publishing Company. British poultry science. June 1987. v. 28 (2). p. 327-335. Includes references. (NAL Call No.: DNAL 47.8 B77).

0831

The effect of confinement on behaviour and reproductive performance in the sow.

AGPGA. Parry, M.A. London : Agricultural Education Association. Agricultural progress. 1986. v. 61. p. 46-54. Includes references. (NAL Call No.: DNAL 10 AG86).

0832

Effect of cooling on reproductive behaviour in buffaloes (*Bos-bubalis*).

Mehta, S.N. Gangwar, P.C. Cambridge, Cambridge University Press. Journal of agricultural science. Aug 1979. v. 93 (pt.1). p. 249-251. ill. 2 ref. (NAL Call No.: 10 J822).

0833

Effect of creep partitions on teat-seeking behavior of newborn piglets.

JANSAG. Rohde Parfet, K.A. Gonyou, H.W. Champaign, Ill. : American Society of Animal Science. Journal of animal science. Sept 1988. v. 66 (9). p. 2165-2173. Includes references. (NAL Call No.: DNAL 49 J82).

0834

The effect of departures from lower critical temperature on the group postural behaviour of pigs.

Boon, C.R. Edinburgh, Longman. Animal production. Aug 1981. v. 33 (pt.1). p. 71-79. ill. 8 ref. (NAL Call No.: 49 AN55).

0835

The effect of different housing systems on behaviour and plasma cortisol concentration in gilts.

Stuhec, I. Schlichting, M.C.; Smidt, D.; Unshelm, J. Darmstadt : Kuratorium fur Technik und Bauwesen in der Landwirtschaft, 1984? . Proceedings of the International Congress on Applied Ethology in Farm Animals, Kiel, 1984 / edited by J. Unshelm, G. van Putten and K. Zeeb ; sponsored by the Federal Ministry of Food, Agriculture and Forestry. p. 139-143. Includes references. (NAL Call No.: DNAL SF756.7.I5 1984).

0836

The effect of different rearing systems on the development of calf behaviour.

BVJOA. Webster, A.J.F. Saville, C.; Church, B.M.; Gnanasakthy, A.; Moss, R. London : Bailliere Tindall. British veterinary journal. May/June 1985. v. 141 (3). p. 249-264. Includes references. (NAL Call No.: DNAL 41.8 V643).

0837

Effect of differential rearing on the behavioral and adrenocortical response of lambs to a novel environment.

Moberg, G.P. Wood, V.A. Amsterdam : Elsevier North-Holland. Developments in animal and veterinary sciences. 1985. v. 18. p. 403-413. Includes 13 references. (NAL Call No.: DNAL QL1.D48).

0838

Effect of early rearing experience on subsequent behavior and production of Holstein heifers.

JDSCAE. Arave, C.W. Mickelsen, C.H.; Walter, J.L. Champaign, Ill. : American Dairy Science Association. Journal of dairy science. Apr 1985. v. 68 (4). p. 923-929. Includes references. (NAL Call No.: DNAL 44.8 J822).

0839

Effect of environmental design on the growth and behaviour of weaned pigs.

Blackshaw, J.K. Amsterdam, Elsevier Scientific. Livestock production science. Aug 1981. v. 8 (4). p. 367-375. ill. 13 ref. (NAL Call No.: SF1.L5).

0840

The effect of extra space on the behavior of dairy cows kept in a cubicle house.

CTVSD. Wierenga, H.K. Metz, J.H.M.; Hopster, H. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. Paper presented at the "Seminar on the Social Space for Domestic Animals," January 10-11, 1985, Brussels. 1985. v. 35. p. 160-170. ill. Includes references. (NAL Call No.: DNAL SF600.C82).

No.: DNAL 49 J82).

0841

Effect of familiarity with each other and breed on the spatial behaviour of sheep in an open field.

Winfield, C.G. Syme, G.J.; Pearson, A.J. Amsterdam, Elsevier. Applied animal ethology. Jan 1981. v. 7 (1). p. 67-75. 7 ref. (NAL Call No.: QL750.A6).

0846

The effect of group composition on behaviour and performance of weaned pigs.

Blackshaw, J.K. Bodero, D.A.V.; Blackshaw, A.W. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. Dec 1987. v. 19 (1/2). p. 73-80. Includes references. (NAL Call No.: DNAL QL750.A6).

0842

Effect of feed withdrawal on behaviour and egg production in White Lghorns on litter and wire (Hens).

Simonsen, H.B. London, Bailliere Tindall. British veterinary journal. July/Aug 1979. v. 135 (4). p. 364-369. ill. 17 ref. (NAL Call No.: 41.8 V643).

0847

The effect of group size and feeding space on social and feeding behaviour of pigs.

Hsia, L.C. Darmstadt : Kuratorium fur Technik und Bauwesen in der Landwirtschaft, 1984? . Proceedings of the International Congress on Applied Ethology in Farm Animals, Kiel, 1984 / edited by J. Unshelm, G. van Putten and K. Zeeb ; sponsored by the Federal Ministry of Food, Agriculture and Forestry. p. 117-121. Includes references. (NAL Call No.: DNAL SF756.7.I5 1984).

0848

Effect of group size on behaviour and production of egg layers at constant space per hen in deep and shallow cages.

CTVSD. Tind, E. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. Paper presented at the "Seminar on the Social Space for Domestic Animals," January 10-11, 1985, Brussels. 1985. v. 35. p. 85-98. Includes references. (NAL Call No.: DNAL SF600.C82).

0849

Effect of housing on in situ postures of gestating gilts.

Taylor, L. Friend, T.; Smith, L.A. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. May 1988. v. 19 (3/4). p. 265-272. Includes references. (NAL Call No.: DNAL QL750.A6).

0850

Effect of housing on open-field test behavior of gestating gilts.

Taylor, L. Friend, T.H. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. Apr 1987. v. 17 (1/2). p. 83-93. Includes references. (NAL Call No.: DNAL QL750.A6).

0844

Effect of feeding time, behavior, and environmental factors on the time of calving in dairy cattle.

JDSCAE. Pennington, J.A. Albright, J.L. Champaign, Ill. : American Dairy Science Association. Journal of dairy science. Oct 1985. v. 68 (10). p. 2746-2750. Includes 13 references. (NAL Call No.: DNAL 44.8 J822).

0845

Effect of floor area restriction upon performance, behavior and physiology of growing-finishing pigs.

JANSAG. Meunier-Salaun, M.C. Vantrimpont, M.N.; Raab, A.; Dantzer, R. Champaign, Ill. : American Society of Animal Science. Journal of animal science. May 1987. v. 64 (5). p. 1371-1377. ill. Includes references. (NAL Call

(ANIMAL ECOLOGY)

0851

The effect of individual and group housing on behavioural and physiological responses related to the welfare of pregnant pigs.

Barnett, J.L. Winfield, C.G.; Cronin, G.M.; Hemsworth, P.H.; Dewar, A.M. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. July 1985. v. 14 (2). p. 149-161. Includes 31 references. (NAL Call No.: DNAL QL750.A6).

0852

The effect of level of feeding on water turnover in growing pigs (Behavior).

Yang, T. Price, M.A.; Aherne, F.X. Amsterdam : Elsevier. Applied animal behaviour science. Mar 1984. v. 12 (1/2). p. 103-109. ill. Includes references. (NAL Call No.: QL750.A6).

0853

The effect of light on the choice of nests by domestic hens (Chickens, behavior).

Appleby, M.C. McRae, H.E.; Peitz, B.E. Amsterdam : Elsevier. Applied animal ethology. Jan 1984. v. 11 (3). p. 249-254. ill. Includes references. (NAL Call No.: QL750.A6).

0854

Effect of prepubertal versus postpubertal castration on sexual and aggressive behavior in male horses.

JAVMA4. Line, S.W. Hart, B.L.; Sanders, L. Schaumburg, Ill. : The Association. Journal of the American Veterinary Medical Association. Feb 1, 1985. v. 186 (3). p. 249-251. Includes 9 references. (NAL Call No.: DNAL 41.8 AM3).

0855

Effect of production noises on the state of health, productivity, and behavior of cows.

Plyashchenko, S.I. Sidorov, V.T. New York, N.Y. : Allerton Press. Soviet agricultural sciences. Translated from: Vsesoiuznaia akademia sel'skokhoziaistvennykh nauk, Doklady, p. 27-28 (20 AK1). 1984. (5). p. 51-54. Includes 9 references. (NAL Call No.: DNAL S1.S68).

0856

The effect of rearing environment on sexual behavior of young beef bulls.

Lane, S.M. Kiracofe, G.H.; Craig, J.V.; Schalles, R.R. Champaign : American Society of Animal Science. Journal of animal science. Nov 1983. v. 57 (5). p. 1084-1089. Includes references. (NAL Call No.: 49 J82).

0857

The effect of rearing systems on the development of behaviour in calves.

Webster, A.J.F. CTVSD. Saville, C. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1982. v. 19. p. 168-179. 1 ref. (NAL Call No.: SF600.C82).

0858

Effect of reduced water intake by lactating dairy cows on behaviour, milk yield and blood composition (Adverse effects).

Little, W. Collis, K.A.; Gleed, P.T.; Sansom, B.F.; Allen, W.M.; Quick, A.J. London, British Veterinary Association. The Veterinary record. June 28, 1980. v. 106 (26). p. 547-551. ill. 9 ref. (NAL Call No.: 41.8 V641).

0859

The effect of road transportation on the blood constituents and behaviour of calves. I. Six months old.

Kent, J.E. BVJOA. Ewbank, R. London : Bailliere Tindall. British veterinary journal. May/June 1983. v. 139 (3). p. 228-235. ill. Includes references. (NAL Call No.: 41.8 V643).

0860

The effect of road transportation on the blood constituents and behaviour of calves. III. Three months old.

BVJOA. Kent, J.E. Ewbank, R. London : Bailliere Tindall. British veterinary journal. July/Aug 1986. v. 142 (4). p. 326-335. Includes references. (NAL Call No.: DNAL 41.8 V643).

0861

Effect of sex and litter size on the sucking behaviour of the lamb.

Stapleton, D.L. Hinch, G.N.; Thwaites, C.J.; Edey, T.N. Melbourne, The Society. Proceedings - Australian Society of Animal Production. 1980. v. 13. p. 333-336. 10 ref. (NAL Call No.: 49.9 AU72).

0862

The effect of simulated sonic booms on horses.

Ewbank, R. Cullinan, A. Darmstadt : Kuratorium fur Technik und Bauwesen in der Landwirtschaft, 1984? . Proceedings of the International Congress on Applied Ethology in Farm Animals, Kiel, 1984 / edited by J. Unshelm, G. van Putten and K. Zeeb ; sponsored by the Federal Ministry of Food, Agriculture and Forestry. p. 325-328. Includes references. (NAL Call No.: DNAL SF756.7.I5 1984).

(ANIMAL ECOLOGY)

0863

Effect of social and environmental factors on performance in gilts, barrows and boars (Growth rate, feed efficiency, carcass quality).
Hagelso, A.M.C.TVSD. Hansen, L.L. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1983. Paper presented at the Seminar on Indicators Relevant to Farm Animal Welfare, Mariensee, 9-10 November 1982. v. 23. p. 109-115. Includes references. (NAL Call No.: SF600.C82).

0864

The effect of the entry order into milking parlour and the milking interval for the milk yield and the circadian rhythm in dairy cows of different group sizes.
Szucs, E. Pojtnar, M.; Kanoczki, R.; Ugly, K. Darmstadt : Kuratorium fur Technik und Bauwesen in der Landwirtschaft, 1984? . Proceedings of the International Congress on Applied Ethology in Farm Animals, Kiel, 1984 / edited by J. Unshelm, G. van Putten and K. Zeeb ; sponsored by the Federal Ministry of Food, Agriculture and Forestry. p. 122-125. Includes references. (NAL Call No.: DNAL SF756.7.I5 1984).

0865

Effect of time of year and prior feeding experience on feeding behaviour of sheep as if for live export.
McDonald, C.L. Gittins, S.P.; Rowe, J.B. Sydney : Pergamon Press. Proceedings of the Australian Society of Animal Production. 1988. v. 17. p. 226-229. Includes references. (NAL Call No.: DNAL 49.9 AU72).

0866

The effect of time since shearing on sheltering behaviour by Merino sheep (Lambing management systems).
Lynch, J.J. Alexander, G. Melbourne, The Society. Proceedings - Australian Society of Animal Production. 1980. v. 13. p. 325-328. 6 ref. (NAL Call No.: 49.9 AU72).

0867

Effects of a postpartum separation on maternal responses in primiparous and multiparous cows.
ANBEA. Le Neindre, P. D'Hour, P. London : Bailliere Tindall. Animal behaviour. Jan 1989. v. 37 (1). p. 166-168. Includes references. (NAL Call No.: DNAL 410 B77).

0868

Effects of amperozide on biting behavior and performance in restricted-fed pigs following regrouping.
JANSAG. Bjork, A. Olsson, N.G.; Christensson, E.; Martinsson, K.; Olsson, O. Champaign, Ill. : American Society of Animal Science. Journal of animal science. Mar 1988. v. 66 (3). p. 669-675. Includes references. (NAL Call No.: DNAL 49 J82).

0869

Effects of androgens and oestrogens on the behaviour of chicks in an imprinting situation.
Balthazart, J. Rycker, C. de. Berlin, Paul Parey. Zeitschrift fur Tierpsychologie. Jan 1979. v. 49 (1). p. 55-64. ill. Bibliography p. 63-64. (NAL Call No.: 410 Z35).

0870

Effects of auditory, visual and chemical stimuli on the ingestive behavior of newly weaned piglets.
JANSAG. Petrie, C.L. Gonyou, H.W. Champaign, Ill. : American Society of Animal Science. Journal of animal science. Mar 1988. v. 66 (3). p. 661-668. Includes references. (NAL Call No.: DNAL 49 J82).

0871

Effects of chronic stress on some blood parameters in the pig (Behavior).
Barnett, J.L. Hemsworth, P.H.; Hand, A.M. Amsterdam : Elsevier. Applied animal ethology. Jan 1983. v. 9 (3/4). p. 273-277. ill. Includes references. (NAL Call No.: QL750.A6).

0872

Effects of composition and density of the group on the performance, behaviour and age at puberty in swine.
Clark, J.R. Bell, R.W.; Tribble, L.F.; Lennon, A.M. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. July 1985. v. 14 (2). p. 127-135. Includes 24 references. (NAL Call No.: DNAL QL750.A6).

0873

Effects of confinement on social interaction patterns in dry sows (Aggressiveness, behavior dominance).
Jensen, P. Amsterdam : Elsevier. Applied animal behaviour science. Mar 1984. v. 12 (1/2). p. 93-101. ill. Includes references. (NAL Call No.: QL750.A6).

(ANIMAL ECOLOGY)

0874

Effects of confinement upon behavioural, hormonal responses and production indices in fattening pigs.
CTVSD. Warnier, A. Zayan, R. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. Paper presented at the "Seminar on the Social Space for Domestic Animals," January 10-11, 1985, Brussels. 1985. v. 35. p. 128-150. illl. Includes references. (NAL Call No.: DNAL SF600.C82).

0875

The effects of design of individual stalls on the social behaviour and physiological responses related to the welfare of pregnant pigs.
Barnett, J.L. Hemsworth, P.H.; Winfield, C.G. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. Aug 1987. v. 18 (2). p. 133-142. illl. Includes references. (NAL Call No.: DNAL QL750.A6).

0876

Effects of double decking and space allowances on the performance and behavior of feeder lambs.
JANSAG. Gonyou, H.W. Stookey, J.M.; McNeal, L.G. Champaign, Ill. : American Society of Animal Science. Journal of animal science. May 1985. v. 60 (5). p. 1110-1116. illl. Includes 11 references. (NAL Call No.: DNAL 49 J82).

0877

Effects of drinking water flow rates and social rank on performance and drinking behaviour of tied-up dairy cows.
LPSCD. Andersson, M. Schaaf, J.; Wiktorsson, H. Amsterdam : Elsevier Science Publishers B.V. Livestock production science. Nov 1984. v. 11 (6). p. 599-610. Includes references. (NAL Call No.: DNAL SF1.L5).

0878

The effects of early caressing on later tractability of calves (Social behaviour and later responsiveness).
Sato, S. Shiki, H.; Yamasaki, F. Tokyo : Nihon Chikusan Gakkai. Nihon Chikusan Gakkai ho = Japanese journal of zootechnical science. May 1984. v. 55 (5). p. 332-338. illl. Includes references. (NAL Call No.: 49 N62).

0879

Effects of early environmental enrichment upon open-field behavior and timidity in the domestic chick (Fearfulness).
Jones, R.B. New York, John Wiley & Sons. Developmental psychobiology. Mar 1982. v. 15 (2). p. 105-111. Includes 3 p. ref. (NAL Call No.: QP351.D4).

0880

Effects of early experience on the development of filial preferences in the domestic chick.
DEPBA5. Bolhuis, J.J. Johnson, M.H.; Horn, G. New York, N.Y. : John Wiley & Sons. Developmental psychobiology. July 1985. v. 18 (4). p. 299-308. illl. Includes references. (NAL Call No.: DNAL QP351.D4).

0881

Effects of early handling on heifers' subsequent reactivity to humans and to unfamiliar situations.
Boissy, A. Bouissou, M.F. Amsterdam : Elsevier Science Publishers, B.V. Applied animal behaviour science. Aug 1988. v. 20 (3/4). p. 259-273. illl. Includes references. (NAL Call No.: DNAL QL750.A6).

0882

Effects of early ingestional experiences on the acquisition of appropriate food selection by young chicks.
ANBEA. Hale, C. Green, L. London : Bailliere Tindall. Animal behaviour. Feb 1988. v. 36. p. 211-224. Includes references. (NAL Call No.: DNAL 410 B77).

0883

Effects of environmental novelty on filial behavior in imprinted ducklings (*Anas platyrhynchos*).
Eiserer, L.A. Austin : Psychonomic Society. Animal learning & behavior. Aug 1983. v. 11 (3). p. 321-324. illl. Includes references. (NAL Call No.: QL785.A725).

0884

The effects of ethostasis on farm animal behavior: a theoretical overview.
Fraser, A.F. Fox, M.W. Washington : Institute for the Study of Animal Problems. International journal for the study of animal problems. Jan 1983. v. 4 (1). p. 59-70. illl. 28 ref. (NAL Call No.: HV4701.I49).

0885

Effects of feeding systems on social and feeding behavior and performance of finishing pigs.

JANSAG. Vargas, J.V. Craig, J.V.; Hines, R.H. Champaign, Ill. : American Society of Animal Science. Journal of animal science. Aug 1987. v. 65 (2). p. 463-474. Includes references. (NAL Call No.: DNAL 49 J82).

0886

Effects of feeding time on the feeding behavior of laying hens.

NICKA3. Tanaka, T. Yoshimoto, T. Tokyo : Nihon Chikusan Gakkai. Nihon Chikusan Gakkai ho = Japanese journal of zootechnical science. Apr 1986. v. 57 (4). p. 324-328. Includes 10 references. (NAL Call No.: DNAL 49 N62).

0887

Effects of food on drinking behavior of growing pigs.

Yang, T.S. Howard, B.; MacFarlane, W.V. Amsterdam, Elsevier. Applied animal ethology. June 1981. v. 7 (3). p. 259-270. ill. 16 ref. (NAL Call No.: QL750.A6).

0888

Effects of frequent interactions with humans on growing pigs.

Gonyou, H.W. Hemsworth, P.H.; Barnett, J.L. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. Nov 1986. v. 16 (3). p. 269-278. Includes references. (NAL Call No.: DNAL QL750.A6).

0889

The effects of genotype on physiological and behavioural responses related to the welfare of pregnant pigs.

Barnett, J.L. Hemsworth, P.H.; Cronin, G.M.; Winfield, C.G.; McCallum, T.H.; Newman, E.A. Amsterdam : Elsevier Science Publishers, B.V. Applied animal behaviour science. Aug 1988. v. 20 (3/4). p. 287-296. Includes references. (NAL Call No.: DNAL QL750.A6).

0890

Effects of group-rearing or partial isolation on later social behaviour of (dairy) calves.

Broom, D.M. Leaver, J.D. London. Animal behaviour. Nov 1978. v. 26 (pt.4). p. 1255-1263. ill. 32 ref. (NAL Call No.: 410 B77).

0891

Effects of group size and space allowance on performance and behavior of swine.

Randolph, J.H. Cromwell, G.L.; Stahly, T.S.; Kratzer, D.D. Champaign, Ill., American Society of Animal Science. Journal of animal science. Oct 1981. v. 53 (4). p. 922-927. 16 ref. (NAL Call No.: 49 J82).

0892

The effects of group size/stocking density on weanling pig performance and behavior.

Spicer, H.M. Aherne, F.X. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. Dec 1987. v. 19 (1/2). p. 89-98. Includes references. (NAL Call No.: DNAL QL750.A6).

0893

Effects of grouping and isolation on feeding, food conversion and energy expenditure of domestic chicks (Behavior).

Savory, C.J. MacLeod, M.G. Amsterdam, Elsevier. Behavioural processes. Sept 1980. v. 5 (3). p. 187-200. ill. Bibliography p. 198-200. (NAL Call No.: QL750.B4).

0894

Effects of heat and social stressors and within-pen weight variation on young pig performance and agonistic behavior.

JANSAG. McGlone, J.J. Stansbury, W.F.; Tribble, L.F. Champaign, Ill. : American Society of Animal Science. Journal of animal science. Aug 1987. v. 65 (2). p. 456-462. Includes references. (NAL Call No.: DNAL 49 J82).

0895

The effects of human presence at the time of calving of primiparous cows on their subsequent behavioural response to milking.

Hemsworth, P.H. Hansen, C.; Barnett, J.L. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. Oct 1987. v. 18 (3/4). p. 247-255. Includes references. (NAL Call No.: DNAL QL750.A6).

0896

Effects of individual vs. group rearing on the sexual behavior of prepuberal beef bulls: mount orientation and sexual responsiveness.

Silver, G.V. Price, E.O. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. June 1986. v. 15 (3). p. 287-294. Includes references. (NAL Call No.: DNAL QL750.A6).

(ANIMAL ECOLOGY)

0897

Effects of intermittent lighting on sleep and activity in the domestic hen.
Coenen, A.M.L. Wolters, E.M.T.J.; Luijtelaar, E.L.J.M. van; Blokhuis, H.J. Amsterdam : Elsevier Science Publishers, B.V. Applied animal behaviour science. Aug 1988. v. 20 (3/4). p. 309-318. ill. Includes references. (NAL Call No.: DNAL QL750.A6).

0898

Effects of interrupted lighting regimens on the feeding activity of the laying fowl.
BPOSA. Lewis, P.D. Perry, G.C. Oxfordshire : Carfax Publishing Company. British poultry science. Dec 1986. v. 27 (4). p. 661-669. Includes references. (NAL Call No.: DNAL 47.8 B77).

0899

Effects of lamb rearing conditions on aggression and dominance relationships.
Zito, C.A. Wilson, L.L.; Graves, H.B. Amsterdam : Elsevier North-Holland. Developments in animal and veterinary sciences. 1985. v. 18. p. 369-383. Includes 25 references. (NAL Call No.: DNAL QL1.D48).

0900

Effects of loud sounds on the physiology and behavior of swine /by James Bond ... et al. .
Bond, James. -1923-. Washington : U.S. Dept. of Agriculture, 1963. Caption title. iv , 17 p. : ill. ; 23 cm. Literature cited: p. 15-17. (NAL Call No.: DNAL 1 Ag84Te no. 1280).

0901

Effects of maize silage and alfalfa hay on nutritional behaviour and milk production of dairy cows.
Szucs, E. Molnar, I.; Szollosi, I.; Weber-Forgony, A.; David, I. Budapest : Akademia Kiado. Acta agronomica Academiae Scientiarum Hungaricae. 1983. v. 32. p. 85-96. ill. Includes references. (NAL Call No.: 19 AC8).

0902

Effects of male presence on agonistic behavior and productivity of White Leghorn hens.
Bhagwat, A.L. Craig, J.V. Amsterdam, Elsevier. Applied animal ethology. July 1979. v. 5 (3). p. 267-282. ill. 30 ref. (NAL Call No.: QL750.A6).

0903

The effects of management program and social rank on behavior and productivity of White Leghorn layers in cages (Chicks, feeding frequencies).
Cunningham, D.L. POSCAL. Tienhoven, A. van. Champaign : Poultry Science Association. Poultry science. Jan 1984. v. 63 (1). p. 25-30. Includes references. (NAL Call No.: 47.8 AM33P).

0904

The effects of maternal influences on sheep: breed differences in grazing, resting and courtship behaviour.
Key, C. MacIver, R.M. Amsterdam, Elsevier. Applied animal ethology. Jan 1980. v. 6 (1). p. 33-48. ill. 20 ref. (NAL Call No.: QL750.A6).

0905

The effects of maternal influences on sheep: breed differences in grazing, resting and courtship behaviour.
Key, C. MacIver, R.M. Amsterdam : Elsevier North-Holland. Developments in animal and veterinary sciences. 1985. v. 18. p. 415-430. ill. Includes 20 references. (NAL Call No.: DNAL QL1.D48).

0906

Effects of naloxone on feeding and drinking in pigs.
Baldwin, B.A. Parrott, R.F. Darmstadt : Kuratorium fur Technik und Bauwesen in der Landwirtschaft, 1984? . Proceedings of the International Congress on Applied Ethology in Farm Animals, Kiel, 1984 / edited by J. Unshelm, G. van Putten and K. Zeeb ; sponsored by the Federal Ministry of Food, Agriculture and Forestry. p. 382-385. Includes references. (NAL Call No.: DNAL SF756.7.I5 1984).

0907

Effects of neutral-to-earth voltage on behavior, production and water intake in dairy cattle.
Aneshansley, D.J. Gorewit, R.C.; Ludington, D.C.; Pellerin, R.; Xin, Z. St. Joseph, Mich. : The Society. American Society of Agricultural Engineers (Microfiche collection). Paper presented at the 1987 Summer Meeting of the American Society of Agricultural Engineers. Available for purchase from: The American Society of Agricultural Engineers, Order Dept., 2950 Niles Road, St. Joseph, Michigan 49085. Telephone the Order Dept. at (616) 429-0300 for information and prices. 1987. (fiche no. 87-3034). 25 p. ill. Includes references. (NAL Call No.: DNAL FICHE S-72).

0908

Effects of number and location of water bowls and social rank on drinking behaviour and performance of loose-housed dairy cows.
 Andersson, M. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. Apr 1987. v. 17 (1/2). p. 19-31. Includes references. (NAL Call No.: DNAL QL750.A6).

0909

Effects of population size and cage area on agonistic activity and social structure of White Leghorn layers.
 POSCAL. Cunningham, D.L. Champaign, Ill. : Poultry Science Association. Poultry science. Feb 1988. v. 67 (2). p. 198-204. Includes references. (NAL Call No.: DNAL 47.8 AM33P).

0910

The effects of precision feeding on the behavior of adult cockerels.
 Fraser, D.POSCA. Sibbald, I.R. Champaign : Poultry Science Association. Poultry science. Nov 1983. v. 62 (11). p. 2224-2226. Includes references. (NAL Call No.: 47.8 AM33P).

0911

The effects of pregnancy and parity number on behavioural and physiological responses related to the welfare status of individual and group-housed pigs.
 Barnett, J.L. Hemsworth, P.H.; Winfield, C.G.; Fahy, V.A. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. June 1987. v. 17 (3/4). p. 229-243. Includes references. (NAL Call No.: DNAL QL750.A6).

0912

Effects of rearing conditions on sexual performance in the ram: practical use.
 Casteilla, L. Orgeur, P.; Signoret, J.P. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. Dec 1987. v. 19 (1/2). p. 111-118. illl. Includes references. (NAL Call No.: DNAL QL750.A6).

0913

The effects of reducing manger space on dairy cow behaviour and production.
 Collis, K.A. Vagg, M.J.; Gleed, P.T.; Copp, C.M.; Sansom, B.F. London, British Veterinary Association. The Veterinary record. Aug 30, 1980. v. 107 (9). p. 197-198. 4 ref. (NAL Call No.: 41.8 V641).

0914

Effects of sex, strain and type of perch on perching behaviour in the domestic fowl (Includes genetic aspects).
 Faure, J.M. Jones, R.B. Amsterdam, Elsevier. Applied animal ethology. Mar 1982. v. 8 (3). p. 281-293. illl. Includes 7 ref. (NAL Call No.: QL750.A6).

0915

Effects of social environment of welfare status and sexual behaviour of female pigs. I. Effects of group size.
 Barnett, J.L. Hemsworth, P.H.; Winfield, C.G.; Hansen, C. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. Nov 1986. v. 16 (3). p. 249-257. Includes references. (NAL Call No.: DNAL QL750.A6).

0916

Effects of social environment on welfare status and sexual behaviour of female pigs. II. Effects of space allowance.
 Hemsworth, P.H. Barnett, J.L.; Hansen, C.; Winfield, C.G. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. Nov 1986. v. 16 (3). p. 259-267. Includes references. (NAL Call No.: DNAL QL750.A6).

0917

Effects of specs (or polypeepers) (devices which restrict the forward vision, to reduce cannibalism) on egg production, efficiency of feed conversion and behaviour of laying hens in cages and floor pens.
 Arbi, A. Wodzicka-Tomaszewska, M. Melbourne, The Society. Proceedings. Australian Society of Animal Production. Feb 1978. v. 12. p. 266. 1 ref. (NAL Call No.: 49.9 AU72).

0918

Effects of stocking density on production and social behaviour in laying hens.
 CTVSD. Bessei, W. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. Paper presented at the "Seminar on the Social Space for Domestic Animals," January 10-11, 1985, Brussels. 1985. v. 35. p. 71-84. illl. Includes references. (NAL Call No.: DNAL SF600.CB2).

(ANIMAL ECOLOGY)

0919

Effects of strains, breeds, laying house environment and age at flock assembly on social behavior and egg production in chickens / by Maddini Ramaiah Choudary. -

Choudary, Maddini Ramaiah, 1939-. 1971. Thesis (Ph.D.)--Kansas State University, 1971. Photocopy of typescript. Ann Arbor: University Microfilms, 1972. vii, 111 leaves ; 21 cm. Bibliography: leaves 103-111. (NAL Call No.: OISS 72-9,756).

references. (NAL Call No.: DNAL QL750.A6).

0920

The effects of straw in crated farrowing systems on peripartal behaviour of sows and piglets.

BVJOA. Edwards, S.A. Furniss, S.J. London : Bailliere Tindall. British veterinary journal. Mar/Apr 1988. v. 144 (2). p. 139-146. Includes references. (NAL Call No.: ONAL 41.8 V643).

0926

Effects of weight range at allocation on production and behaviour in fattening pig groups.

Tindsley, W.E.C. Lean, I.J. Amsterdam : Elsevier. Applied animal behaviour science. Mar 1984. v. 12 (1/2). p. 79-92. i11. Includes references. (NAL Call No.: QL750.A6).

0921

The effects of the frequency of feeding concentrates on milk production and eating behaviour in Ayrshire dairy cows.

Gill, M.S. ANIPA. Castle, M.E. Harlow : Longman. Animal production. Feb 1983. v. 36 (pt.1). p. 79-85. Includes references. (NAL Call No.: 49 AN55).

0927

Effects of zeranol implantation and late castration on sexual, agonistic and handling behavior in male feedlot cattle.

JANSAG. Baker, A.M. Gonyou, H.W. Champaign, Ill. : American Society of Animal Science. Journal of animal science. May 1986. v. 62 (5). p. 1224-1232. Includes references. (NAL Call No.: DNAL 49 J82).

0922

The effects of thermoregulatory behaviour on the heat loss from shorn sheep as measured by a model ewe for micro-climate integration.

Done-Currie, J.R. Wodzicka-Tomaszewska, M.; Lynch, J.J. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. Nov 1984. v. 13 (1/2). p. 59-70. Includes references. (NAL Call No.: DNAL QL750.A6).

0928

Effects on productivity and aggressive behavior of laying hens of solid versus wire cage partitions and bird density.

POSCAL. Cunningham, D.L. Gvaryahu, G. Champaign, Ill. : Poultry Science Association. Poultry science. Oct 1987. v. 66 (10). p. 1583-1586. Includes references. (NAL Call No.: DNAL 47.8 AM33P).

0923

Effects of thyroxine on prehatching developmental rate and behavior in the chick.

Ockleford, E.M. Vince, M.A. Washington, D.C., American Psychological Association. Journal of comparative and physiological psychology. Apr 1980. v. 94 (2). p. 280-288. ill. 26 ref. (NAL Call No.: 410 J822).

0929

Egg-laying behaviour and nest-site selection of domestic hens kept in small floor-pens.

Rietveld-Piepers, B. Blokhuis, H.J.; Wiepkema, P.R. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. May 1985. v. 14 (1). p. 75-88. Includes 25 references. (NAL Call No.: DNAL QL750.A6).

0924

The effects of twinning and maternal experience on maternal-filial social relationships in confined beef cattle.

Price, E.O. Smith, V.M.; Thos, J.; Anderson, G.B. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. May 1986. v. 15 (2). p. 137-146. Includes

0930

Egg-laying pattern of the semi-domesticated helmeted guinea fowl (*Numida meleagris galeata*).

BPOSA. Ogwuegbu, S.O. Aire, T.A.; Adeyemo, O. Oxfordshire : Carfax Publishing Company. British poultry science. Mar 1988. v. 29 (1).

(ANIMAL ECOLOGY)

p. 171-174. Includes references. (NAL Call No.: DNAL 47.8 B77).

0931

Electrical current sensitivity of growing/fishing swine for drinking.
TAAEA. Gustafson, R.J. Appleman, R.D.; Brennan, T.M. St. Joseph, Mich. : The Society. Transactions of the ASAE - American Society of Agricultural Engineers. Mar/Apr 1986. v. 29 (2). p. 592-596, 600. Includes 6 references. (NAL Call No.: DNAL 290.9 AM32T).

0932

Electrical current sensitivity of swine for drinking.
Gustafson, R.J. Appleman, R.D.; Brennan, T.M. St. Joseph, Mich. : The Society: American Society of Agricultural Engineers (Microfiche collection). Paper presented at the 1985 Winter Meeting of the American Society of Agricultural Engineers. Available for purchase from: The American Society of Agricultural Engineers, Order Dept., 2950 Niles Road, St. Joseph, Michigan 49085. Telephone the Order Dept. at (616) 429-0300 for information and prices. 1985. (fiche no. 85-3504). 25 p. Includes references. (NAL Call No.: DNAL FICHE S-72).

0933

Electro-immobilization versus mechanical restraint in an avoid-avoid choice test for ewes.
JANSAG. Grandin, T. Curtis, S.E.; Widowski, T.M.; Thurmon, J.C. Champaign, Ill. : American Society of Animal Science. Journal of animal science. June 1986. v. 62 (6). p. 1469-1480. maps. Includes references. (NAL Call No.: DNAL 49 J82).

0934

Electronic recording of pressure exerted by cows against structures in free-stall housing.
Blom, J.Y. Konggaard, S.P.; Larsson, U.G.; Nielsen, K.; Northeved, A.; Solfjeld, P. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. Nov 1984. v. 13 (1/2). p. 41-46. ill. Includes references. (NAL Call No.: DNAL QL750.A6).

0935

Electronic transponder feeder system performance and animal feeding behavior with four feed availability times (Cows).
Shrestha, C.M. JDSCA. Spahr, S.L.; Puckett, H.B.; Olver, E.F. Champaign : American Dairy Science Association. Journal of dairy science. Feb 1983. v. 66 (2). p. 332-340. ill. Includes references. (NAL Call No.: 44.8 J822).

0936

Endocrine systems and behavior.

Katz, L.S. Philadelphia, Pa. : W.B. Saunders Company. The Veterinary clinic of North America : food animal practice. In the series analytic: Farm animal behavior / edited by E.O. Price.~ Literature review. July 1987. v. 3 (2). p. 393-404. Includes references. (NAL Call No.: DNAL SF601.V535).

0937

The enrichment of a bare environment for animals in confined conditions (Weaner piglets, behavior).

Wood-Gush, D.G.M. Beilharz, R.G. Amsterdam : Elsevier. Applied animal ethology. May 1983. v. 10 (3). p. 209-217. ill. Includes references. (NAL Call No.: QL750.A6).

0938

Environment and the behaviour of the sow and her young.

Jappesen, L.E. Cambridge : The Society. Proceedings - The Pig Veterinary Society. 1984. v. 11. p. 18-26. Includes references. (NAL Call No.: DNAL SF971.P5).

0939

Environmental effects on lying behavior and use of trough space in weaned pigs.

Blackshaw, J.K. Amsterdam, Elsevier. Applied animal ethology. June 1981. v. 7 (3). p. 281-286. ill. 6 ref. (NAL Call No.: QL750.A6).

0940

An environmental model for sows: materializing physical and behavioural needs.

Koning, R. de. Paris : Dept. de pathologie animale de l'Institut national de la recherche agronomique. Annales de recherches vétérinaires = Annals of veterinary research. 1984. Paper presented at the "CEC Workshop on Welfare of Confined Sows," May 26-27, 1983, Rennes, France. v. 15 (2). p. 303-309. Includes references. (NAL Call No.: SF602.A5).

0941

Environmental requirements for nesting behaviour (Domestic hen).

Wood-Gush, D.G.M. CTVSD. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1983. Paper presented at the Seminar on Farm Animal Housing and Welfare, Aberdeen, July 28-30, 1982. v. 24. p. 91-95. Includes references. (NAL Call No.: SF600.C82).

(ANIMAL ECOLOGY)

0942

Environmental stimuli and the frequency of head-shaking in lines of White Leghorn hens (Behavior).
Dunnington, E.A. Petrie, C.L.; Barbato, G.F.; Siegel, P.B. Amsterdam : Elsevier. Applied animal behaviour science. Mar 1984. v. 12 (1/2). p. 159-165. ill. Includes references. (NAL Call No.: QL750.A6).

0943

Equine behavior (Horses).
Keiper, R.R. Santa Barbara, Calif., Veterinary Practice Pub. Co. Equine practice. July/Aug 1981. v. 3 (4). p. 6-8, 10. ill. 2 ref. (NAL Call No.: SF951.E62).

0944

Equine behavior (Horses, trailer problems).
Houpt, K.A. Santa Barbara, Calif., Veterinary Practice Pub. Co. Equine practice. Feb 1982. v. 4 (2). p. 12-14, 16. (NAL Call No.: SF951.E62).

0945

Equine behavior (Mares, foal rejection).
Houpt, K.A. Olm, D. Santa Barbara, Calif. : Veterinary Practice Pub. Co. Equine practice. July/Aug 1984. v. 6 (7). p. 38-40. Includes 2 references. (NAL Call No.: SF951.E62).

0946

Equine behavior: patterns, types, and causes.
Wolski, K. Lawrenceville, N.J. : Veterinary Learning Systems Co. Veterinary technician. July/Aug 1984. v. 5 (4). p. 250-258, 260. ill. Includes references. (NAL Call No.: DNAL SF406.A5).

0947

Equine behavior problems in relation to humane care.
Houpt, K.A. Hanover, N.H. : University Press of New England for Delta Society. Anthrozoos. Winter 1987. v. 1 (3). p. 184-187. Includes references. (NAL Call No.: DNAL SF411.A57).

0948

Equine behaviour. I. A review of the literature on social and dam-foal behaviour (Domestic and feral horses, Equidae, Great Britain).
Carson, K. Wood-Gush, D.G.M. Amsterdam : Elsevier. Applied animal ethology. May 1983. Literature review. v. 10 (3). p. 165-178. Includes references. (NAL Call No.: QL750.A6).

0949

Equine behaviour. II. A review of the literature on feeding, eliminative and resting behaviour (Horses, Equidae).
Carson, K. Wood-Gush, D.G.M. Amsterdam : Elsevier. Applied animal ethology. May 1983. Literature review. v. 10 (3). p. 179-190. Includes references. (NAL Call No.: QL750.A6).

0950

Essential behavioural needs (Laying hens in deep litter in comparison with those in battery cages).
Folsch, D.W. CTVSD. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1980. Paper presented at the Seminar in the EEC Programme of Coordination of Research on Animal Welfare, Luxembourg, March 11-13, 1980. v. 8. p. 121-147. ill. Includes references. (NAL Call No.: SF600.C82).

0951

Essential behavioural needs: the mixed motivation approach (Locomotor activity of the domestic chicken).
Bessei, W. CTVSD. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1980. Paper presented at the Seminar in the EEC Programme of Coordination of Research on Animal Welfare, Luxembourg, March 11-13, 1980. v. 8. p. 167-180. Includes references. (NAL Call No.: SF600.C82).

0952

Estimation of fear in two lines of the domestic chick: correlations between various methods (Behavior, breeding lines).
Jones, R.B. Mills, A.D. Amsterdam : Elsevier. Behavioural processes. July 1983. v. 8 (3). p. 243-253. Includes references. (NAL Call No.: QL750.B4).

0953

Estrous behavior in confined beef cows.
JANSAG. Hurnik, J.F. King, G.J. Champaign, Ill. : American Society of Animal Science. Journal of animal science. Aug 1987. v. 65 (2). p. 431-438. Includes references. (NAL Call No.: DNAL 49 J82).

0954

Ethogram of agonistic behaviour for thoroughbred horses (Aggressiveness, social hierarchy and interaction).
Arnold, G.W. Grassia, A. Amsterdam, Elsevier. Applied animal ethology. Jan 1982. v. 8 (1/2). p. 5-25. ill. Includes 1 p. ref. (NAL Call No.:

(ANIMAL ECOLOGY)

QL750.A6).

0955

The ethogram of the domesticated hen (Behavior, environments).

Duncan, I.J.H. CTVSD. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1980. Paper presented at the Seminar in the EEC Programme of Coordination of Research on Animal Welfare, Luxembourg, March 11-13, 1980. v. 8. p. 5-18. Includes references. (NAL Call No.: SF600.C82).

0956

An ethological analysis of open-field behaviour in chickens.

Gallup, G.G. Suarez, S.D. London, Bailliere Tindall. Animal behaviour. May 1980. v. 28 (pt.2). p. 368-378. ill. Bibliography p. 377-378. (NAL Call No.: 410 B77).

0957

Ethological approach to farm animal behavior research.

Hartsook, T.G. Champaign, Ill., American Society of Animal Science. Journal of animal science. Feb 1982. Paper presented at the Symposium on the Role of Animal Behavior in Agriculture, Cornell Univ., Ithaca, N.Y., July, 1980. v. 54 (2). p. 447-449. Includes 6 ref. (NAL Call No.: 49 J82).

0958

Etiology and control of buller syndrome (Abnormal behavior trait in certain steers).

Lincoln, S.D.NONEA. Lincoln : Norden Laboratories. Norden news : topics in veterinary medicine. Winter/Spring 1983. v. 58 (1). p. 24-26, 28. ill. Includes references. (NAL Call No.: 41.8 N75).

0959

Etiology of stereotyped behaviour in pig husbandry.

Rushen, J. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. Apr 1987. v. 17 (1/2). p. 177-178. Includes references. (NAL Call No.: DNAL QL750.A6).

0960

An evaluation of ethological criteria and methods in the assessment of wellbeing in sows (Confinement).

Vestergaard, K. Paris : Dept. de pathologie animale de l'Institut national de la recherche agronomique. Annales de recherches vétérinaires = Annals of veterinary research. 1984. Paper presented at the "CEC Workshop on Welfare of Confined Sows," May 26-27, 1983, Rennes, France ~Literature review. v. 15 (2). p. 227-235. Includes references. (NAL Call No.: SF602.A5).

0961

Evaluation of research results & suggestions for future research relevant to farm animal welfare.

Vestergaard, K. Bareham, J.R. Basel, Birkhauser Verlag. Tierhaltung. 1981. v. 11. p. 55-68. Includes 4 p. ref. (NAL Call No.: SF105.T5).

0962

An evaluation of some traditional and contemporary views on sheep behaviour.

Perth, Agribusiness Counsellors. Agribusiness decision. June 1979. v. 9 (5). p. 9-11. (NAL Call No.: HD2052.A4).

0963

Evils of modern stables.

Lupton, J.I. Boston : Martinus Nijhoff Publishers. Advances in animal welfare science. 1984 (pub. 1985). p. 155-161. (NAL Call No.: DNAL HV4701.A34).

0964

Experiments on behavioral and cognitive processes involved in social space of laying hens at the beginning of the laying period.

CTVSD. Zayan, R. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. Paper presented at the "Seminar on the Social Space for Domestic Animals," January 10-11, 1985, Brussels. 1985. v. 35. p. 197-229. ill. Includes references. (NAL Call No.: DNAL SF600.C82).

0965

An exploratory study of behavioural differences between young pigs susceptible and non-susceptible to stress syndrome.

Robert, S. Dallaire, A. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. Dec 1986. v. 16 (4). p. 335-343. Includes references. (NAL Call No.: DNAL QL750.A6).

(ANIMAL ECOLOGY)

0966

Expressions of the horse (Behavior).
McCall, J.P. McCall, L.R. Colorado : Westview Press. Stud managers' handbook. 1983. v. 18. p. 157-162. ill. (NAL Call No.: SF277.S78).

0967

Face flies, *Musca autumnalis*, and ear flap behavior in Holstein cows.
Schmidtmann, E.T. Clemson, S.C. : South Carolina Entomological Society. Journal of agricultural entomology. Jan 1985. v. 2 (1). p. 69-72. Includes references. (NAL Call No.: DNAL SB599.J69).

0968

Face-fly pest intensity, fly-avoidance behavior (bunching) and grazing time in Holstein heifers (*Musca autumnalis*, New York).
Schmidtmann, E.T. Valla, M.E. Amsterdam : Elsevier. Applied animal ethology. June 1982. v. 8 (5). p. 429-438. ill. Includes references. (NAL Call No.: QL750.A6).

0969

Factors affecting floor laying by domestic hens: A review.
WPSJA. Appleby, M.C. Aylesbury : World's Poultry Science Association. World's poultry science journal. Literature review. Oct 1984. v. 40 (3). p. 241-249. Includes references. (NAL Call No.: DNAL 47.8 W89).

0970

Factors affecting the occurrence of stereotypies in stall-houses dry sows.
Broom, D.M. Potter, M.J. Darmstadt : Kuratorium fur Technik und Bauwesen in der Landwirtschaft, 1984? . Proceedings of the International Congress on Applied Ethology in Farm Animals, Kiel, 1984 / edited by J. Unshelm, G. van Putten and K. Zeeb ; sponsored by the Federal Ministry of Food, Agriculture and Forestry. p. 229-231. Includes references. (NAL Call No.: DNAL SF756.7.I5 1984).

0971

Factors influencing the grazing behaviour of sheep in a Mediterranean climate.
Dudzinski, M.L. Arnold, G.W. Amsterdam, Elsevier. Applied animal ethology. Apr 1979. v. 5 (2). p. 125-144. ill. 7 ref. (NAL Call No.: QL750.A6).

0972

Failure to mask lamb odour with odoriferous substances (Ewes, maternal behavior).
Alexander, G. Stevens, D. Amsterdam, Elsevier. Applied animal ethology. Mar 1982. v. 8 (3). p. 253-260. ill. Includes 10 ref. (NAL Call No.: QL750.A6).

0973

Farm animal behavior /Edward O. Price, guest editor.
Price, Edward O. Philadelphia : Saunders, 1987. xi, p. 217-481 : ill. ; 24 cm. Includes bibliographies and index. (NAL Call No.: DNAL SF601.V535 v.3 no.2).

0974

The farm animal welfare research in the EEC.
LPSCD. Tarrant, P.V. Amsterdam : Elsevier Science Publishers B.V. Livestock production science. Sept 1984. v. 11 (5). p. 457-460. Includes references. (NAL Call No.: DNAL SF1.L5).

0975

Farm animals : husbandry, behavior, and veterinary practice : viewpoints of a critic / Michael W. Fox. -.
Fox, Michael W., 1937-. Baltimore University Park Press c1984. Includes index. xiii, 285 p. : ill. ; 24 cm. Bibliography: p. 253-272. (NAL Call No.: SF61.F63).

0976

Farming beyond the ability for pigs to adapt.
Putten, G. van. Amsterdam : Elsevier Science Publishers, B.V. Applied animal behaviour science. Paper presented at the "Symposium on Animal Bio-ethics and Applied Ethology," August 1987, Montreal, Canada. July 1988. v. 20 (1/2). p. 63-71. Includes references. (NAL Call No.: QL750.A6).

0977

Fear and social motivation as factors in open-field behaviour of the domestic chick: A theoretical consideration (Open-field testing).
Faure, J.M. Jones, R.B.; Bessei, W. Paris : Masson. Biology of behaviour. 1983. Literature review. v. 8 (2). p. 103-116. ill. Includes references. (NAL Call No.: QL750.B52).

(ANIMAL ECOLOGY)

0978

"Fear", head shaking and production in five populations of caged chickens (behavior). Mauldin, J.M. Siegel, P.B. Loughborough, British Poultry Science, ltd. British poultry science. Jan 1979. v. 20 (1). p. 39-44. ill. 20 ref. (NAL Call No.: 47.8 B77).

0979

Fear-related behavior of hens in cages: effects of rearing environment, age, and habituation. POSCAL. Okpokho, N.A. Craig, J.V. Champaign, Ill. : Poultry Science Association. Poultry science. Feb 1987. v. 66 (2). p. 376-377. Includes references. (NAL Call No.: DNAL 47.8 AM33P).

0980

Fear responses of individually-caged laying hens as a function of cage level and aisle. Jones, R.B. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. May 1985. v. 14 (1). p. 63-74. Includes 38 references. (NAL Call No.: DNAL QL750.A6).

0981

Fear: the will to survive. The instincts of the wild live on (Horses, behavior, instincts). Houpt, K.A. Gaithersburg, Md., Fleet Street Corporation. Equus. Nov 1980. Nov 1980. (37). p. 28-31. ill. (NAL Call No.: SF277.E6).

0982

Fearful and associated responses of White Leghorn hens: effects of cage environments and genetic stocks. POSCAL. Craig, J.V. Vargas Vargas, J.; Milliken, G.A. Champaign, Ill. : Poultry Science Association. Poultry science. Dec 1986. v. 65 (12). p. 2199-2207. Includes references. (NAL Call No.: DNAL 47.8 AM33P).

0983

Fearful behavior by caged hens of two genetic stocks (White Leghorn chickens). Craig, J.V. Craig, T.P.; Dayton, A.D. Amsterdam : Elsevier. Applied animal ethology. May 1983. v. 10 (3). p. 263-273. Includes references. (NAL Call No.: QL750.A6).

0984

Fearfulness of caged laying hens: the effects of cage level and type of roofing. Jones, R.B. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. Apr 1987. v. 17 (1/2). p. 171-175. Includes references. (NAL Call No.: DNAL QL750.A6).

0985

Fearfulness of hens caged individually or in groups in different tiers of battery and the effects of translocation between tiers. BPOSA. Jones, R.B. Essex : Longman Group. British poultry science. July 1985. v. 26 (3). p. 399-408. Includes references. (NAL Call No.: DNAL 47.8 B77).

0986

Feather-pecking in poultry: its relation with ground-pecking. Blokhuis, H.J. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. Aug 1986. v. 16 (1). p. 63-67. Includes references. (NAL Call No.: DNAL QL750.A6).

0987

Feeder design and available feeding space influence the feeding behaviour of hens. Huon, F. Meunier-Salaun, M.C.; Faure, J.M. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. Apr 1986. v. 15 (1). p. 65-70. Includes references. (NAL Call No.: DNAL QL750.A6).

0988

Feeding and drinking behavior of mares and foals with free access to pasture and water. JANSAG. Crowell-Davis, S.L. Houpt, K.A.; Carnevale, J. Champaign, Ill. : American Society of Animal Science. Journal of animal science. Apr 1985. v. 60 (4). p. 883-889. ill. Includes references. (NAL Call No.: DNAL 49 J82).

0989

Feeding and drinking patterns in young pigs. PHBHA. Bigelow, J.A. Houpt, T.R. Elmsford, N.Y. : Pergamon Press. Physiology & behavior. 1988. v. 43 (1). p. 99-109. Includes references. (NAL Call No.: DNAL QP1.P4).

(ANIMAL ECOLOGY)

0990

Feeding behavior.

Ralston, S.L. Philadelphia : W.B. Saunders. The Veterinary clinics of North America : equine practice. In the series analytic: Behavior / edited by S.L. Crowell-Davis and K.A. Houpt. Literature review. Dec 1986. v. 2 (3). p. 609-621. Includes references. (NAL Call No.: DNAL SF951.V47).

0991

Feeding behavior and energetics of growing-finishing swine as influenced by environmental temperature.

Nienaber, J.A. Hahn, G.L. St. Joseph, Mich. : The Society. American Society of Agricultural Engineers (Microfiche collection). Paper presented at the 1987 Winter Meeting of the American Society of Agricultural Engineers. Available for purchase from: The American Society of Agricultural Engineers, Order Dept., 2950 Niles Road, St. Joseph, Michigan 49085. Telephone the Order Dept. at (616) 429-0300 for information and prices. 1987. (fiche no. 87-4512). 19 p. Includes references. (NAL Call No.: DNAL FICHE S-72).

0992

Feeding behavior characteristics of intact male lambs as affected by numbers of lambs in a pen with restricted access to the feed stall.
JANSAG. Jenkins, T.G. Leymaster, K.A. Champaign, Ill. : American Society of Animal Science. Journal of animal science. Aug 1987. v. 65 (2). p. 422-430. Includes references. (NAL Call No.: DNAL 49 J82).

0993

Feeding behavior in the preweanling piglet. Barczewski, R.A. Hartsock, T.G. College Park : The Conference. Proceedings - Maryland Nutrition Conference for Feed Manufacturers. 1986. p. 34-37. Includes references. (NAL Call No.: DNAL 389.9 UN342).

0994

Feeding behavior of lactating dairy cows as measured by time-lapse photography.

Vasilatos, R. Wangness, P.J. Champaign, Ill. : American Dairy Science Association. Journal of dairy science. Mar 1980. v. 63 (3). p. 412-416. ill. 19 ref. (NAL Call No.: 44.8 J822).

0995

Feeding behavior of ram lambs as characterized by electronic feeding equipment.

Jenkins, T.G. Leymaster, K.A. Beltsville, Md. : The Service. ARS - United States Department of Agriculture, Agricultural Research Service. In subseries: Sheep Research Program. Progress Report No. 3. Nov 1987. (68). p. 12-13. (NAL Call No.: DNAL aS21.R44A7).

0996

Feeding behaviour in domestic animals.

Ito, T. Mitani, K. Tokyo, Japan : Japanese Society of Zootecnical Science, 1983. New strategies for improving animal production for human welfare : proceedings / the Fifth World Conference on Animal Production, August 14-19, 1983. v. 2 p. 813-814. Includes references. (NAL Call No.: DNAL SF5.W6 1983).

0997

Feeding behaviour of Merino wether sheep under conditions similar to those used in assembly for live export.

McDonald, C.L. Sydney : Pergamon Press. Proceedings of the Australian Society of Animal Production. 1986. v. 16. p. 39-41. (NAL Call No.: DNAL 49.9 AU72).

0998

Feeding pattern responses to changes in dietary energy or environmental temperature in the domestic fowl.

POSCAL. Taher, A.I. Gleaves, E.W.; Mather, F.B. Champaign, Ill. : Poultry Science Association. Poultry science. May 1985. v. 64 (5). p. 986-990. Includes references. (NAL Call No.: DNAL 47.8 AM33P).

0999

Field observations on a flock of ewes and lambs made up of Clun Forest, Dalesbred and Jacob sheep (Behavior).

Shillito Walser, E. Hague, P. Amsterdam, Elsevier. Applied animal ethology. Apr 1981. v. 7 (2). p. 175-178. ill. 3 ref. (NAL Call No.: QL750.A6).

1000

Field study of food pan design and eating behaviour of young meat chickens.

BPOSA. Murphy, L.B. Preston, A.P. Oxfordshire : Carfax Publishing Company. British poultry science. Sept 1988. v. 29 (3). p. 653-663. ill. Includes references. (NAL Call No.: DNAL 47.8 B77).

(ANIMAL ECOLOGY)

1001

Fighting by fair means or foul.
Edens, F.W. Ames, Iowa : Council for Agricultural Science and Technology. Science of food and agriculture. Nov 1983. v. 1 (4). p. 22-26. ill. Includes 3 references. (NAL Call No.: DNAL S1.S44).

1002

'Flight distance' in Merino sheep (Behavior, environment, Australia).
Hutson, G.D. ANIPA. Harlow : Longman. Animal production. Oct 1982. v. 35 (pt.2). p. 231-235. ill. 6 ref. (NAL Call No.: 49 AN55).

1003

Floor- and cage-rearing effects on pullets' initial adaptation to multiple-hen cages.
Craig, J.V. Okpokho, N.A.; Milliken, G.A. Amsterdam : Elsevier Science Publishers, B.V. Applied animal behaviour science. Aug 1988. v. 20 (3/4). p. 319-333. Includes references. (NAL Call No.: DNAL QL750.A6).

1004

Foal killing by stallions (Feral horses, behavior, France).
Duncan, P. Amsterdam : Elsevier. Applied animal ethology. Aug 1982. v. 8 (6). p. 567-570. Includes references. (NAL Call No.: QL750.A6).

1005

Foal rejection and other behavioral problems in the postpartum period (Behavior of the mare).
Houpt, K.A. Princeton Junction, N.J. : Veterinary Learning Systems. The Compendium on continuing education for the practicing veterinarian. Mar 1984. v. 6 (3). p. S144-S148, S150-S152. ill. Includes references. (NAL Call No.: SF601.C66).

1006

Food availability and the feeding and drinking behaviour of broiler chickens grown commercially.
BPOSA. Murphy, L.B. Preston, A.P. Oxfordshire : Carfax Publishing Company. British poultry science. June 1988. v. 29 (2). p. 273-283. ill. Includes references. (NAL Call No.: DNAL 47.8 B77).

1007

Food calling in the domestic fowl, Gallus gallus: the role of external referents and deception.
ANBEA. Gyger, M. Marler, P. London : Bailliere Tindall. Animal behaviour. Apr 1988. v. 36 (2). p. 358-365. Includes references. (NAL Call No.: DNAL 410 B77).

1008

Food competition in cattle.
Metz, J.H.M. CTVSD. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1983. Paper presented at the Seminar on Farm Animal Housing and Welfare, Aberdeen, July 28-30, 1982. v. 24. p. 164-170. ill. Includes references. (NAL Call No.: SF600.C82).

1009

Food restriction as a cause of stereotypic behaviour in tethered gilts.
ANIPA. Appleby, M.C. Lawrence, A.B. Neston, South Wirral, England : British Society of Animal Production. Animal production. Aug 1987. v. 45 (pt.1). p. 103-110. Includes references. (NAL Call No.: DNAL 49 AN55).

1010

Food selection by chicks: effects of colour, density, and frequency of food types (Behavior).
Willis, A.J. McEwan, J.W.T.; Greenwood, J.J.D.; Elton, R.A. London, Bailliere Tindall. Animal behaviour. 1979. v. 25 (3/4). p. 874-879. ill. 15 ref. (NAL Call No.: 410 B77).

1011

Fostering calves by odor transfer.
Dunn, G.C. Price, E.O.; Katz, L.S. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. Apr 1987. v. 17 (1/2). p. 33-39. Includes references. (NAL Call No.: DNAL QL750.A6).

1012

Fostering in sheep: experiences with the use of neatsfoot oil.
AAAHA. Alexander, G. Australia; Stevens, D.; Bradley, L.R. Melbourne : Commonwealth Scientific and Industrial Research Organization. Australian journal of experimental agriculture. 1987. v. 27 (6). p. 771-778. Includes references. (NAL Call No.: DNAL 23 AU792).

(ANIMAL ECOLOGY)

1013

Fostering in sheep: fostering lambs onto ewes whose lambs have died soon after birth.
AAAHA. Alexander, G. Australia; Stevens, D.; Bradley, L.R. Melbourne : Commonwealth Scientific and Industrial Research Organization. Australian journal of experimental agriculture. 1987. v. 27 (6). p. 765-769. Includes references. (NAL Call No.: DNAL 23 AU792).

1014

Fostering in sheep. V. Use of unguents to foster an additional lamb onto a ewe with a single lamb.
Alexander, G. Stevens, D.; Bradley, L.R. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. Apr 1987. v. 17 (1/2). p. 95-108. ill. Includes references. (NAL Call No.: DNAL QL750.A6).

1015

Fostering lambs by odor transfer: the add-on experiment.
JANSAG. Martin, N.L. Price, E.O.; Wallach, S.J.R.; Dally, M.R. Champaign, Ill. : American Society of Animal Science. Journal of animal science. May 1987. v. 64 (5). p. 1378-1383. Includes references. (NAL Call No.: DNAL 49 J82).

1016

Fostering lambs by odor transfer: the substitution experiment (Maternal behavior, olfaction).
Price, E.O. Dunn, G.C.; Talbot, J.A.; Dally, M.R. Champaign, Ill. : American Society of Animal Science. Journal of animal science. Aug 1984. v. 59 (2). p. 301-307. ill. Includes references. (NAL Call No.: 49 J82).

1017

Foundations of housing and welfare (Farm animals).
Drewett, R.F. CTVSD. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1983. Paper presented at the Seminar on Farm Animal Housing and Welfare, Aberdeen, July 28-30, 1982. v. 24. p. 289-300. (NAL Call No.: SF600.C82).

1018

Fowl sociometry: social discrimination and the behaviour of domestic hens during food competition (Agressiveness, pecking).
Syme, G.J. Syme, L.A.; Barnes, D.R. Amsterdam : Elsevier. Applied animal ethology. Nov 1983. Literature review. v. 11 (2). p. 163-175. ill.

Includes references. (NAL Call No.: QL750.A6).

1019

Genetic analysis of strain differences in pre-laying behaviour in battery cages.
BPOSA. Mills, A.D. Wood-Gush, D.G.M.; Hughes, B.O. Harlow, Essex : Longman. British poultry science. Apr 1985. v. 26 (2). p. 187-197. Includes references. (NAL Call No.: DNAL 47.8 B77).

1020

Genetic variation in feather-pecking behaviour (Chicks).
Cuthbertson, G.J. Harlow, Essex, Eng., Longman. British poultry science. Nov 1980. v. 21 (6). p. 447-450. 10 ref. (NAL Call No.: 47.8 B77).

1021

Genetic variation in milk drinking behaviour of calves.
Tomar, S.S. Karnal : Agricultural Research Communication Centre. Asian journal of dairy research. Mar 1982. v. 1 (1). p. 59-62. Includes references. (NAL Call No.: SF105.A84).

1022

Genetic variation of the restlessness before oviposition of laying hens in single cages.
Heil, G. Darmstadt : Kuratorium fur Technik und Bauwesen in der Landwirtschaft, 1984? . Proceedings of the International Congress on Applied Ethology in Farm Animals, Kiel, 1984 / edited by J. Unshelm, G. van Putten and K. Zebe ; sponsored by the Federal Ministry of Food, Agriculture and Forestry. p. 52-55. Includes references. (NAL Call No.: DNAL SF756.7.15 1984).

1023

Gonadal steroids and attentional mechanisms in young domestic chicks.
PHBHA. Clifton, P.G. Andrew, R.J.; Brighton, L. Elmsford, N.Y. : Pergamon Press. Physiology & behavior. 1988. v. 43 (4). p. 441-446. Includes references. (NAL Call No.: DNAL QP1.P4).

1024

Grazing behavior and heart rate of growing Thoroughbred.

Nagata, Y. Kubo, K. Tokyo, Japan : Japanese Society of Zootechnical Science, 1983. New strategies for improving animal production for human welfare : proceedings / the Fifth World Conference on Animal Production, August 14-19, 1983. v. 2 p. 807-808. Includes references.

(ANIMAL ECOLOGY)

(NAL Call No.: DNAL SF5.W6 1983).

1025

Grazing behavior of beef cows under range conditions.

Havstad, K.M. Lathrop, W.J.; Ayers, E.L.; Doornbos, D.E.; Kress, D.D. Bozeman : The Station. Montana agresearch - Montana Agricultural Experiment Station, Montana University. Spring/Summer 1986. v. 3 (2). p. 20-21. Includes references. (NAL Call No.: DNAL S451.M9M9).

1026

Grazing behavior responses of rangeland beef cows to winter ambient temperatures and age.

Dunn, R.W. Havstad, K.M.; Ayers, E.L. Amsterdam : Elsevier Science Publishers, B.V. Applied animal behaviour science. Nov 1988. v. 21 (3). p. 201-207. Includes references. (NAL Call No.: DNAL QL750.A6).

1027

Grazing behaviour and herbage intake in cattle and sheep grazing indigenous hill plant communities.

NASSD. Armstrong, R.H. Hodgson, J. New York, N.Y. : Plenum Press. NATO advanced science institutes series : Series A : Life sciences. In the series analytic: Grazing research at northern latitudes / edited by O. Gudmundsson. Paper presented at a Workshop, August 5-10, 1985, Hvanneyri, Iceland. 1986. v. 108. p. 211-218. Includes references. (NAL Call No.: DNAL QH301.N32).

1028

Grazing behaviour by heifers on pastures fertilized with different fertilizer categories (Norway).

Gjestang, K.E. Tjernshaugen, O.; Tveitnes, S. Amsterdam : Elsevier. Applied animal behaviour science. Mar 1984. v. 12 (1/2). p. 33-41. ill. Includes references. (NAL Call No.: QL750.A6).

1029

Grazing behaviour of free ranging sheep and cattle under arid conditions.

Squires, V.R. London, World Crops Publications Ltd. Livestock international. Mar/Apr 1979. Mar/Apr 1979. (30). p. 6-8. ill. 6 ref. (NAL Call No.: SF1.L52).

1030

Grazing behaviour of merinos on an undeveloped semi-arid tussock grassland block (Sheep, *Festuca novae-zelandiae*).

Scott, D. Sutherland, B.L. Wellington, Department of Scientific and Industrial Research. New Zealand journal of experimental agriculture. 1981. v. 9 (1). p. 1-9. ill. 20 ref. (NAL Call No.: S542.A1N45).

1031

The grazing behaviour of sheep (*Ovis aries*) on a high-country summer range in Canterbury, New Zealand.

Harris, P.S. O'Connor, K.F. Christchurch, New Zealand Ecological Society. New Zealand journal of ecology. 1980. v. 3. p. 85-96. map. 22 ref. (NAL Call No.: QH540.N43).

1032

Grazing behaviour of the swamp buffalo (*Bubalus bubalis*) (in Malaysia).

Kassim, H. Baharin, K. Serdang, Selangor, Universiti Pertanian Malaysia. Pertanika. Dec 1979. v. 2 (2). p. 125-127. ill. 6 ref. (NAL Call No.: S19.P4).

1033

A grazing recorder for horses--its design and use (Behavior).

Francis-Smith, K. Carson, R.G.; Wood-Gush, D.G.M. Amsterdam : Elsevier. Applied animal ethology. June 1982. v. 8 (5). p. 413-424. ill. Includes references. (NAL Call No.: QL750.A6).

1034

Grooming behaviour in the female domestic chicken in isolation and crowding conditions.

IJPDA. Manna, C.K. Bhattacharjee, S. Izatnagar : Indian Poultry Science Association. Indian journal of poultry science. Mar 1985. v. 20 (1). p. 23-26. ill. Includes references. (NAL Call No.: DNAL SF481.I5).

1035

The group postural behaviour of growing pigs in relation to air velocity, air and floor temperature.

Geers, R. Goedseels, V.; Parduyns, G.; Vercruyse, G. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. Dec 1986. v. 16 (4). p. 353-362. ill. Includes references. (NAL Call No.: DNAL QL750.A6).

(ANIMAL ECOLOGY)

1036

Growth performance and behavioral patterns of pigs infested with sarcoptic mites (Acaris: Sarcoptidae).
JEENAI. Wooten-Saadi, E. Broce, A.B.; Stevenson, J.S.; Nelissen, J.L. College Park, Md. : Entomological Society of America. Journal of economic entomology. June 1987. v. 80 (3). p. 625-628. Includes references. (NAL Call No.: DNAL 421 J822).

1037

Head partitions facilitate feeding by subordinate horses in the presence of dominant pen-mates.
Holmes, L.N. Song, G.K.; Price, E.O. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. Dec 1987. v. 19 (1/2). p. 179-182. illl. Includes references. (NAL Call No.: DNAL QL750.A6).

1038

Headshaking in fowls: the effect of environmental stimuli (Chickens, Gallus domesticus, social behavior).
Hughes, B.O. Amsterdam : Elsevier. Applied animal ethology. Sept 1983. v. 11 (1). p. 45-53. Includes references. (NAL Call No.: QL750.A6).

1039

Headshaking in horses. 1. (Behavior).
Cook, W.R. Santa Barbara, Calif., Veterinary Practice Pub. Co. Equine practice. Sept/Oct 1979. v. 1 (5). p. 9-10, 12-13, 16-17. illl. (NAL Call No.: SF951.E62).

1040

Headshaking in horses. 2. History and management tests (Behavior, veterinary practice).
Cook, W.R. Santa Barbara, Calif., Veterinary Practice Pub. Co. Equine practice. Nov/Dec 1979. v. 1 (6). p. 36-37. illl. (NAL Call No.: SF951.E62).

1041

Headshaking in horses. 3. Diagnostic tests (Behavior).
Cook, W.R. Santa Barbara, Calif., Veterinary Practice Pub. Co. Equine practice. Jan/Feb 1980. v. 2 (1). p. 31, 34-40. illl. (NAL Call No.: SF951.E62).

1042

The hearing ability of horses (Behavior). Heffner, H.E. Heffner, R.S. Santa Barbara : Veterinary Practice Pub. Co. Equine practice. Mar 1983. v. 5 (3). p. 27-32. illl. Includes references. (NAL Call No.: SF951.E62).

1043

Heart-rate and the behaviour of sheep in yards (Social stress, wethers). Syme, L.A. Elphick, G.R. Amsterdam : Elsevier. Applied animal ethology. Nov 1982. v. 9 (1). p. 31-35. Includes references. (NAL Call No.: QL750.A6).

1044

Herding and forage ingestion by sheep. El Aich, A. Rittenhouse, L.R. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. May 1988. v. 19 (3/4). p. 279-290. Includes references. (NAL Call No.: DNAL QL750.A6).

1045

Heritability of the peep vocalization in White Leghorn-type chicks. Webster, A.B. Hurnik, J.F. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. Dec 1987. v. 19 (1/2). p. 157-168. Includes references. (NAL Call No.: DNAL QL750.A6).

1046

A high level of nutrition during late pregnancy improves subsequent maternal behaviour of Merino ewes. Putu, I.G. Poindron, P.; Lindsay, D.R. Sydney : Pergamon Press. Proceedings of the Australian Society of Animal Production. 1988. v. 17. p. 294-297. Includes references. (NAL Call No.: DNAL 49.9 AU72).

1047

High mating frequency for boars: predicting the effect on sexual behaviour, fertility and fecundity. Hemsworth, P.H. Winfield, C.G.; Hansen, C. Harlow : Longman. Animal production. Dec 1983. v. 37 (pt.3). p. 409-413. Includes references. (NAL Call No.: 49 AN55).

(ANIMAL ECOLOGY)

1048

Hog psychology: an aid in handling.
Grandin, T. Santa Barbara, Calif. : Veterinary Practice Publishing Company. Agri-Practice. Fall 1988. v. 9 (4). p. 20-26. ill. Includes references. (NAL Call No.: DNAL SF601.B6).

1049

Home-cage visual discrimination device for miniature swine.
Sobotka, T.J. Brown, R.H. New York : Plenum Press, c1986. Swine in biomedical research / edited by M.E. Tumbleson. Proceedings of a conference on Swine in Biomedical Research, June 17-20, 1985, Columbia, Missouri. p. 89-94. ill. Includes references. (NAL Call No.: DNAL RB125.C68 1985).

1050

Homosexual behavior in feedlot steers: an aggression hypothesis.
Klemm, W.R. Sherry, C.J.; Schake, L.M.; Sis, R.F. Amsterdam : Elsevier. Applied animal ethology. Nov 1983. v. 11 (2). p. 187-195. ill. Includes references. (NAL Call No.: QL750.A6).

1051

Hoofed stock: swine.
Horstman, V.G. Joliet, Ill. : American Association for Laboratory Animal Science, c1984. Manual for assistant laboratory animal technicians / edited by Walter B. Sapanski, Jr., and John E. Harkness. p. 293-309, 423. ill. Includes references. (NAL Call No.: DNAL SF77.M35).

1052

Hormones and husbandry: control of nesting behavior in poultry production.
POSCAL. Appleby, M.C. Champaign, Ill. : Poultry Science Association. Poultry science. Dec 1986. v. 65 (12). p. 2352-2354. Includes references. (NAL Call No.: DNAL 47.8 AM33P).

1053

The horse and its welfare in different states of confinement.
PinSENT, P.J.N. London : BVA Animal Welfare Foundation, 1984? . Priorities in animal welfare : the proceedings of the Animal Welfare Foundation's first symposium, held on 20 November 1984 / edited by Liz Bagnall. p. 67-72. (NAL Call No.: DNAL HV4704.A54 1984).

1054

Horse behavior.
Albaugh, R. Berkeley, Cooperative Extension. Leaflet - Division of Agricultural Sciences, University of CaliforniaCalifornia. University, Berkeley. Cooperative Extension. Apr 1979. Apr 1979. (21002). 7 p. ill. 5 ref. (NAL Call No.: S544.3.C2C3).

1055

Horse behavior : the behavioral traits and adaptations of domestic and wild horses, including ponies / by George H. Waring. -.
Waring, George H. Park Ridge, N.J. Noyes Publications c1983. Includes index. xii, 292 p. : ill. ; 25 cm. --. Bibliography: p. 265-278. (NAL Call No.: SF281.W37).

1056

Horse fly harassment and the social behavior of feral ponies.
Rutberg, A.T. Berlin, W. Ger. : Paul Parey. Ethology. June 1987. v. 75 (2). p. 145-154. Includes references. (NAL Call No.: DNAL QL750.E74).

1057

Horse of a different culture (Animal behavior).
Monagan, D. Washington : American Association for the Advancement of Science. Science 82. May 1982. v. 3 (4). p. 46-53. ill. (NAL Call No.: Q1.A3S3).

1058

Horse sense : cause and correction of problems / Kate Delano Condax ; ill. by Susan Kuehn ; foreword by Bruce Davidson. -.
Condax, Kate Delano. Tulsa, Okla. Winchester Press c1979. Includes index. viii, 128 p. : ill. ; 24 cm. (NAL Call No.: SF309.C65).

1059

Housing and welfare from first principles (Farm animals).
Baxter, M.R.CTVSD. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1983. Paper presented at the Seminar on Farm Animal Housing and Welfare, Aberdeen, July 28-30, 1982. v. 24. p. 3-7. Includes references. (NAL Call No.: SF600.C82).

(ANIMAL ECOLOGY)

1060

Housing of sows in gestation: studies of behaviour in different types of group housing.
Bengtsson, A.C. Svendsen, J.; Andersson, M. Darmstadt : Kuratorium fur Technik und Bauwesen in der Landwirtschaft, 1984? . Proceedings of the International Congress on Applied Ethology in Farm Animals, Kiel, 1984 / edited by J. Unshelm, G. van Putten and K. Zeeb ; sponsored by the Federal Ministry of Food, Agriculture and Forestry. p. 214-216. Includes references. (NAL Call No.: DNAL SF756.7.I5 1984).

1061

How peck orders of chickens are measured: a critical review (Aggression, behavior, social stress).
Rushen, J. Amsterdam : Elsevier. Applied animal ethology. Jan 1984. Literature review. v. 11 (3). p. 255-264. Includes references. (NAL Call No.: QL750.A6).

1062

Human-animal interactions.
Hemsworth, P.H. Barnett, J.L. Philadelphia, Pa. : W.B. Saunders Company. The Veterinary clinic of North America : food animal practice. In the series analytic: Farm animal behavior / edited by E.O. Price.~ Literature review. July 1987. v. 3 (2). p. 339-356. Includes references. (NAL Call No.: DNAL SF601.V535).

1063

Human communication with pigs: the behavioural response of pigs to specific human signals.
Hemsworth, P.H. Gonyou, H.W.; Dziuk, P.J. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. Apr 1986. v. 15 (1). p. 45-54. Includes references. (NAL Call No.: DNAL QL750.A6).

1064

Human handling, flock size and responses to an E. coli challenge in young chickens.
Collins, J.W. Siegel, P.B. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. Dec 1987. v. 19 (1/2). p. 183-188. Includes references. (NAL Call No.: DNAL QL750.A6).

1065

The hyperstriatum and nesting behaviour in the domestic hen.
Wood-Gush, D.G.M. Gentle, M.J. London. Animal behaviour. Nov 1978. v. 26 (pt.4). p. 1157-1164. illl. 16 ref. (NAL Call No.: 410 B77).

1066

The identification of behavioural key features and their incorporation into a housing design for pigs.

Stolba, A. Wood-Gush, D.G.M. Paris : Dept. de pathologie animale de l'Institut national de la recherche agronomique. Annales de recherches vétérinaires = Annals of veterinary research. 1984. Paper presented at the "CEC Workshop on Welfare of Confined Sows," May 26-27, 1983, Rennes, France. v. 15 (2). p. 287-299. illl. Includes references. (NAL Call No.: SF602.A5).

1067

The impact of the farrowing pen on the sow and her piglets (Housing and fittings).
Daelemans, J. CTVSD. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1981. Paper presented at the Seminar in the EEC Programme of Coordination of Research on Animal Welfare, Brussels, November 25-26, 1980. v. 11. p. 269-275. Includes references. (NAL Call No.: SF600.C82).

1068

Implications of behaviour studies on the development of housing systems.
BOPUDB. Baxter, M.R. Haddington : The Society. BSAP occasional publication : an occasional publication of the British Society of Animal Production. In the series analytic: Pig housing and the environment / edited by A.T. Smith and T.L.J. Lawrence. Proceedings of a Symposium, October 1986, Kenilworth, Scotland. 1987. (11). p. 99-102. illl. Includes references. (NAL Call No.: DNAL SF5.B74).

1069

The importance of odour, appearance and voice in maternal recognition of the young in Merino sheep (*Ovis aries*).
Alexander, G. Shillito, E.E. Amsterdam : Elsevier North-Holland. Developments in animal and veterinary sciences. 1985. v. 18. p. 293-301. Includes 12 references. (NAL Call No.: DNAL QL1.D48).

1070

Importance of photoperiod and wallowing in buffalo production.
IJDSC. Gangwar, P.C. New Delhi : Indian Dairy Association. The Indian journal of dairy science. Literature review. June 1985. v. 38 (2). p. 150-155. Includes references. (NAL Call No.: DNAL 44.8 IN28).

110

(ANIMAL ECOLOGY)

1071

The importance of physical contact with other pigs during rearing on the sexual behaviour of the male domestic pig.

Hemsworth, P.H. Findlay, J.K. Edinburgh, British Society of Animal Production. Animal production. Oct 1978. v. 27 (pt.2). p. 201-207. ill. 4 ref. (NAL Call No.: 49 AN55).

1072

Importance of the characteristics of the young in the manifestation and establishment of maternal behavior in sheep.

Poindron, P. Le Neindre, P.; Raksanyi, I.; Trillat, G.; Orgeur, P. Jouy-en-Josas, Institut national de la recherche agronomique. Reproduction nutrition developpement. 1980. v. 20 (3B). p. 817-826. 17 ref. (NAL Call No.: 442.8 AN75).

1073

Imprinting and the 'critical period' concept.

Hess, E.H. New York : Hafner Pub. Co., 1968 i.e. 1969 c1962. Roots of behavior : genetics, instinct, and socialization in animal behavior / by thirty-one authors; edited by Eugene L. Bliss. p. 254-263. ill. Includes references. (NAL Call No.: DNAL QL751.R69).

1074

Inability to predict sexual and aggressive behaviors by plasma concentrations of testosterone and luteinizing hormone in Hereford bulls.

JANSAG. Price, E.O. Katz, L.S.; Moberg, G.P.; Wallach, S.J.R. Champaign, Ill. : American Society of Animal Science. Journal of animal science. Mar 1986. v. 62 (3). p. 613-617. Includes references. (NAL Call No.: DNAL 49 J82).

1075

The individual nest box as a super-stimulus for domestic hens.

Appleby, M.C. McRae, H.E. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. May 1986. v. 15 (2). p. 169-176. ill. Includes references. (NAL Call No.: DNAL QL750.A6).

1076

The influence of degree of adaptation to tether-housing by sows in relation to behaviour and energy metabolism.

ANIPA. Cronin, G.M. Tartwijk, J.M.F.M. van; Hei, W. van der; Verstegen, M.W.A. Neston, South Wirral, England : British Society of Animal Production. Animal production. Apr 1986.

v. 42 (pt.2). p. 257-268. Includes references. (NAL Call No.: DNAL 49 AN55).

1077

The influence of diet upon time of calving and behaviour in dairy cattle.

Albright, J.L. Pennington, J.A. Darmstadt : Kuratorium fur Technik und Bauwesen in der Landwirtschaft, 1984? . Proceedings of the International Congress on Applied Ethology in Farm Animals, Kiel, 1984 / edited by J. Unsheim, G. van Putten and K. Zeeb ; sponsored by the Federal Ministry of Food, Agriculture and Forestry. p. 184-188. Includes references. (NAL Call No.: DNAL SF756.7.I5 1984).

1078

The influence of earlier mating experience of ewes on their subsequent mating behaviour and reproductive performance.

ANRSD. Rosciszewska, Z.E. Amsterdam : Elsevier Science Publishers. Animal reproduction science. Oct 1985. v. 9 (3). p. 223-229. ill. Includes references. (NAL Call No.: DNAL QP251.A5).

1079

The influence of early contact with humans on subsequent behavioural response of pigs to humans.

Hemsworth, P.H. Barnett, J.L.; Hansen, C.; Gonyou, H.W. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. Apr 1986. v. 15 (1). p. 55-63. Includes references. (NAL Call No.: DNAL QL750.A6).

1080

The influence of environment on daily maintenance behaviour of free-ranging Shorthorn cows in central Australia. I. General introduction and descriptive analysis of day-long activities.

Low, W.A. Tweedie, R.L.; Edwards, C.B.H.; Hodder, R.M.; Malafant, K.W.J.; Cunningham, R.B. Amsterdam, Elsevier. Applied animal ethology. Jan 1981. v. 7 (1). p. 11-26. ill. map. 19 ref. (NAL Call No.: QL750.A6).

1081

The influence of environment on daily maintenance behaviour of free-ranging shorthorn cows in central Australia. II. Multivariate analysis of duration and incidence of activities.

Low, W.A. Tweedie, R.L.; Edwards, C.B.H.; Hodder, R.M.; Malafant, K.W.J.; Cunningham, R.B. Amsterdam, Elsevier. Applied animal ethology. Jan 1981. v. 7 (1). p. 27-38. ill. 4

(ANIMAL ECOLOGY)

ref. (NAL Call No.: QL750.A6).

1082

The influence of environment on daily maintenance behaviour of free-ranging shorthorn cows in central Australia. III. Detailed analysis of sequential behaviour patterns and integrated discussion.

Low, W.A. Tweedie, R.L.; Edwards, C.B.H.; Hodder, R.M.; Malafant, K.W.U.; Cunningham, R.B. Amsterdam : Elsevier. Applied animal ethology. Jan 1981. v. 7 (1). p. 39-56. ill. Bibliography p. 55-56. (NAL Call No.: QL750.A6).

1083

The influence of factors associated with oestrus on the sexual "attractiveness" of ewes to rams.

Tilbrook, A.J. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. Apr 1987. v. 17 (1/2). p. 117-128. Includes references. (NAL Call No.: DNAL QL750.A6).

1084

Influence of fixation on the behaviour of sows. Vestergaard, K. CTVSD. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1981. Paper presented at the Seminar in the EEC Programme of Coordination of Research on Animal Welfare, Brussels, November 25-26, 1980. v. 11. p. 16-32. ill. Includes references. (NAL Call No.: SF600.C82).

1085

Influence of food restriction and of the presence of chicks on the reproductive system of the domestic hen.

BPOSA. Richard-Yris, M.A. Leboucher, G.; Williams, J.; Garnier, O.H. Oxfordshire : Carfax Publishing Company. British poultry science. June 1987. v. 28 (2). p. 251-260. Includes references. (NAL Call No.: DNAL 47.8 B77).

1086

Influence of genetic and non-genetic factors on temperament score and other traits of dairy management (Behaviour of Murrah Buffaloes, Karan Swiss and Karan Fries dairy cows). Roy, P.K. Nagpaul, P.K. New Delhi : Indian Council of Agricultural Research. The Indian journal of animal sciences. June 1984. v. 54 (6). p. 566-568. Includes references. (NAL Call No.: 41.8 IN22).

1087

The influence of handling by humans on the behaviour reproduction and corticosteroids of male and female pigs.

Hemsworth, P.H. Barnett, J.L.; Hansen, C. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. July 1986. v. 15 (4). p. 303-314. Includes references. (NAL Call No.: DNAL QL750.A6).

1088

The influence of housing conditions on social behaviour in pigs.

Bure, R.G. Darmstadt : Kuratorium fur Technik und Bauwesen in der Landwirtschaft, 1984? . Proceedings of the International Congress on Applied Ethology in Farm Animals, Kiel, 1984 / edited by J. Unshelm, G. van Putten and K. Zeeb ; sponsored by the Federal Ministry of Food, Agriculture and Forestry. p. 159-161. Includes references. (NAL Call No.: DNAL SF756.7.I5 1984).

1089

The influence of inconsistent handling by humans on the behaviour, growth and corticosteroids of young pigs.

Hemsworth, P.H. Barnett, J.L.; Hansen, C. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. June 1987. v. 17 (3/4). p. 245-252. Includes references. (NAL Call No.: DNAL QL750.A6).

1090

Influence of light intensity on behavior and performance of broiler chickens.

POSCAL. Newberry, R.C. Hunt, J.R.; Gardiner, E.E. Champaign, Ill. : Poultry Science Association. Poultry science. July 1988. v. 67 (7). p. 1020-1025. Includes references. (NAL Call No.: DNAL 47.8 AM33P).

1091

The influence of ovine behaviour traits on mating management (Sheep).

Kilgour, R. Palmerston North : The Society. Proceedings of this Society's seminar - New Zealand Veterinary Association, Sheep & Beef Cattle Society. 1983. 1983. (13th). p. 91-102. ill. Includes references. (NAL Call No.: SF371.N49).

(ANIMAL ECOLOGY)

1092

The influence of predictability of feeding on the behaviour of grower pigs.
Carlstead, M.K. Darmstadt : Kuratorium fur Technik und Bauwesen in der Landwirtschaft, 1984? . Proceedings of the International Congress on Applied Ethology in Farm Animals, Kiel, 1984 / edited by J. Unshelm, G. van Putten and K. Zeeb ; sponsored by the Federal Ministry of Food, Agriculture and Forestry. p. 274-278. Includes references. (NAL Call No.: DNAL SF756.7.I5 1984).

1093

Influence of preslaughter behaviour on meat quality--use of an overhead electrified grid to modify behaviour of young bulls in lairage at the abattoir.

Kenny, F.J. Tarrant, P.V. Darmstadt : Kuratorium fur Technik und Bauwesen in der Landwirtschaft, 1984? . Proceedings of the International Congress on Applied Ethology in Farm Animals, Kiel, 1984 / edited by J. Unshelm, G. van Putten and K. Zeeb ; sponsored by the Federal Ministry of Food, Agriculture and Forestry. p. 189-192. Includes references. (NAL Call No.: DNAL SF756.7.I5 1984).

1094

The influence of ram mating preferences and social interaction between rams on the proportion of ewes mated at field joining.
Tilbrook, A.J. Cameron, A.W.N.; Lindsay, D.R. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. Aug 1987. v. 18 (2). p. 173-184. Includes references. (NAL Call No.: DNAL QL750.A6).

1095

Influence of rearing conditions on subsequent social behaviour of Friesian and Salers heifers from birth to six months of age (Breeds, dominance, social hierarchy).
Le Neindre, P. Sourd, C. Amsterdam : Elsevier. Applied animal behaviour science. Mar 1984. v. 12 (1/2). p. 43-52. Includes references. (NAL Call No.: QL750.A6).

1096

The influence of restricted physical contact with pigs during rearing on the sexual behaviour of the male domestic pig (boars).
Hemsworth, P.H. Beilharz, R.G. Edinburgh, Longman. Animal production. Dec 1979. v. 29 (pt. 3). p. 311-314. ill. 4 ref. (NAL Call No.: 49 AN55).

1097

The influence of shape of paddock, type of fence and stocking rate on grazing behaviour and social facilitation in Merino sheep.
Lynch, J.J. Hedges, D.A. Amsterdam, Elsevier. Applied animal ethology. Oct 1979. v. 5 (4). p. 321-331. ill. 10 ref. (NAL Call No.: QL750.A6).

1098

The influence of social factors on the use of shade by sheep.

Sherwin, C.M. Johnson, K.G. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. Aug 1987. v. 18 (2). p. 143-155. ill. Includes references. (NAL Call No.: DNAL QL750.A6).

1099

Influence of social interaction between rams on their serving capacity (Behavior, mating).
Synnott, A.L. Faulkerson, W.J. Amsterdam : Elsevier. Applied animal ethology. Jan 1984. v. 11 (3). p. 283-289. Includes references. (NAL Call No.: QL750.A6).

1100

The influence of social restriction during rearing on the sexual behaviour of the gilt (Swine).

Hemsworth, P.H. ANIPA. Cronin, G.M.; Hansen, C. Harlow : Longman. Animal production. Aug 1982. v. 35 (pt.1). p. 35-40. 14 ref. (NAL Call No.: 49 AN55).

1101

The influence of the presence of the female on the sexual behaviour and plasma testosterone levels of the mature male pig.

Hemsworth, P.H. Winfield, C.G.; Chamley, W.A. Edinburgh, Longman. Animal production. Feb 1981. v. 32 (pt.1). p. 61-65. ill. 4 ref. (NAL Call No.: 49 AN55).

1102

The influence of the space for walking and lying in a cubicle system on the behaviour of dairy cattle.

Wierenga, H.K. CTVSD. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1983. Paper presented at the Seminar on Farm Animal Housing and Welfare, Aberdeen, July 28-30, 1982. v. 24. p. 171-180. ill. Includes references. (NAL Call No.: SF600.C82).

(ANIMAL ECOLOGY)

1103

The influence of the stage of the estrous cycle and novel cows upon mounting activity of dairy cattle.

JANSAG. Alexander, T.J. Senger, P.L.; Rosenberger, J.L.; Hagen, D.R. Champaign, Ill. : American Society of Animal Science. Journal of animal science. Dec 1984. v. 59 (6). p. 1430-1439. ill. Includes references. (NAL Call No.: DNAL 49 J82).

1104

Influence of vagotomy in domestic fowls on feeding activity, food passage, digestibility and satiety effects of two peptides.

PHBHA. Savory, C.J. Hodgkiss, J.P. Elmsford, N.Y. : Pergamon Press. Physiology & behavior. Dec 1984. v. 33 (6). p. 937-944. ill. Includes 55 references. (NAL Call No.: DNAL QP1.P4).

1105

The influence of weight of herbage (*Lolium perenne*) per unit area and per animal upon the grazing behaviour of sheep.

Hodgson, J. Milne, J.A. Merelbeke, Belgium. Society for Grassland and Fodder Crops, Government Agricultural Research Centre. Proceedings of the ... General Meeting of the European Grassland Federation. 1978. 1978. (7th). p. 4.31-4.38. 12 ref. (NAL Call No.: QH541.5.P7E8).

1106

Influences of season and artificial photoperiod on stallions: testicular size, seminal characteristics and sexual behavior.

JANSAG. Clay, C.M. Squires, E.L.; Amann, R.P.; Pickett, B.W. Champaign, Ill. : American Society of Animal Science. Journal of animal science. Feb 1987. v. 64 (2). p. 517-525. Includes references. (NAL Call No.: DNAL 49 J82).

1107

Ingestive behavior of meat and egg-type chickens: equal sensitivity to naloxone.

POSCAL. McCormack, J.F. Denbow, D.M. Champaign, Ill. : Poultry Science Association. Poultry science. Oct 1987. v. 66 (10). p. 1714-1720. Includes references. (NAL Call No.: DNAL 47.8 AM33P).

1108

Ingestive behaviour and wing-flapping in assessing welfare of laying hens.

Simonsen, H.B. CTVSD. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1983. Paper presented at the Seminar on Indicators Relevant to Farm Animal Welfare, Mariensee, 9-10 November 1982. v. 23. p. 89-95. Includes references. (NAL Call No.: SF600.C82).

1109

Ingestive behaviour in sheep under field conditions.

Bueno, L. Ruckebusch, Y. Amsterdam, Elsevier. Applied animal ethology. Apr 1979. v. 5 (2). p. 179-187. ill. 14 ref. (NAL Call No.: QL750.A6).

1110

Ingestive behaviour of lactation buffaloes kept under loose housing system.

IJDSA. Thind, J.S. Gill, R.S. New Delhi : Indian Dairy Association. The Indian journal of dairy science. Mar 1986. v. 29, i.e.39 (1). p. 41-46. Includes references. (NAL Call No.: DNAL 44.8 IN28).

1111

Intensive animal production and animal welfare: the present and the future (Policy, poultry meat, eggs, meat, United Kingdom).

Graham, D.WPSJA. Perry, C. Aylesbury : World's Poultry Science Association. World's poultry science journal. June 1983. v. 39 (2). p. 99-105. Includes references. (NAL Call No.: 47.8 W89).

1112

Interaction of hormonal and experiential influences on development of behavior.

Lehrman, D.S. New York : Hafner Pub. Co., 1968 i.e. 1969 c1962. Roots of behavior : genetics, instinct, and socialization in animal behavior / by thirty-one authors; edited by Eugene L. Bliss. p. 142-156. Includes references. (NAL Call No.: DNAL QL751.R69).

1113

Interactions between normal ewes and newly born lambs deprived of visual, olfactory and tactile sensory information.

Vince, M.A. Lynch, J.J.; Mottershead, B.E.; Green, G.C.; Elwin, R.L. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. Dec 1987. v. 19 (1/2). p. 119-136. Includes references. (NAL Call No.: DNAL QL750.A6).

(ANIMAL ECOLOGY)

1114

The interpretation of the behaviour of domestic fowl in strange environments.
Murphy, L.B. Wood-Gush, D.G.M. Paris, Masson. Biology of behaviour. = Biologie du comportement. 1978. v. 3 (1). p. 39-61. ill. 35 ref. (NAL Call No.: QL750.B52).

1115

Interrelationships among voluntary intake, eating and ruminating behavior and ruminal motility of heifers fed corn silage.
JANSAG. Deswysen, A.G. Ellis, W.C.; Pond, K.R. Champaign, Ill. : American Society of Animal Science. Journal of animal science. Mar 1987. v. 64 (3). p. 835-841. Includes references. (NAL Call No.: DNAL 49 J82).

1116

Interspecific communication in cooperative herding: acoustic and visual signals from human shepards and herding dogs.
FVHFA. McConnell, P.B. Baylis, J.R. Berlin, W. Ger. : Paul Parey. Zeitschrift fur Tierpsychologie. Jan 1985. v. 67 (114). p. 302-328. ill. Includes references. (NAL Call No.: DNAL 410 Z35).

1117

Intravenous hypertonic saline injections and drinking in domestic fowls.
PHBHA. Yeomans, M.R. Savory, C.J. Elmsford, N.Y. : Pergamon Press. Physiology & behavior. 1988. v. 42 (4). p. 307-312. Includes references. (NAL Call No.: DNAL QP1.P4).

1118

An investigation into the role of the crop in control of feeding in Japanese quail and domestic fowls.
PHBHA. Savory, C.J. Elmsford, N.Y. : Pergamon Press. Physiology & behavior. Dec 1985. v. 35 (6). p. 917-928. ill. Includes 47 references. (NAL Call No.: DNAL QP1.P4).

1119

Investigation into the use of narcotic antagonists in the treatment of a stereotypic behavior pattern (crib-biting) in the horse.
AJVRAH. Dodman, N.H. Shuster, L.; Court, M.H.; Dixon, R. Schaumburg, Ill. : American Veterinary Medical Association. American journal of veterinary research. Feb 1987. v. 48 (2). p. 311-319. Includes references. (NAL Call No.: DNAL 41.8 AM3A).

1120

An investigation of the roles of boar-component stimuli in the expression of proceptivity in the female pig.
Pearce, G.P. Hughes, P.E. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. Oct 1987. v. 18 (3/4). p. 287-299. ill. Includes references. (NAL Call No.: DNAL QL750.A6).

1121

Investigations on social space in open and restricted environments in sheep.

CTVSD. Lawrence, A.B. Wood-Gush, D.G.M. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. Paper presented at the "Seminar on the Social Space for Domestic Animals," January 10-11, 1985, Brussels. 1985. v. 35. p. 171-191. ill., maps. Includes references. (NAL Call No.: DNAL SF600.C82).

1122

Investigations on the eliminative behaviour of piglets (Age, cleanliness, social aspects).
Buchenauer, D. Luft, C.; Grauvogl, A. Amsterdam : Elsevier. Applied animal ethology. Dec 1982. v. 9 (2). p. 153-164. ill. Includes references. (NAL Call No.: QL750.A6).

1123

Kin association in Japanese quail chicks.
Waldman, B. Bateson, P. Berlin, W. Ger. : Paul Parey. Ethology. Jan 1989. v. 80 (1/4). p. 283-291. ill. Includes references. (NAL Call No.: DNAL QL750.E74).

1124

Lactational oestrus in sows kept in rich environments.
Stolba, A. Darmstadt : Kuratorium fur Technik und Bauwesen in der Landwirtschaft, 1984? . Proceedings of the International Congress on Applied Ethology in Farm Animals, Kiel, 1984 / edited by J. Unshelm, G. van Putten and K. Zeeb ; sponsored by the Federal Ministry of Food, Agriculture and Forestry. p. 226-228. Includes references. (NAL Call No.: DNAL SF756.7.I5 1984).

1125

Lamb mortality due to inadequate care of twins by Merino ewes (Maternal behavior, New South Wales, Australia).
Stevens, D. Alexander, G.; Lynch, J.J. Amsterdam, Elsevier. Applied animal ethology. Mar 1982. v. 8 (3). p. 243-252. ill. Includes 1 p. ref. (NAL Call No.: QL750.A6).

115

(ANIMAL ECOLOGY)

1126

Lamb mortality due to inadequate of twins by Merino ewes.
Stevens, D. Alexander, G.; Lynch, J.J. Amsterdam : Elsevier North-Holland. Developments in animal and veterinary sciences. 1985. v. 18. p. 143-152. Includes 15 references. (NAL Call No.: DNAL QL1.D48).

1127

The lateralization of fear behaviour in the male domestic chick: a developmental study (*Gallus domesticus*).
Andrew, R.J. Brennan, A. London : Bailliere Tindall. Animal behaviour. Nov. 1983. v. 31 (pt.4). p. 1166-1176. Includes references. (NAL Call No.: 410 B77).

1128

The Laying hen and its environment : a seminar in the EEC Programme of Coordination of Research on Animal Welfare, ... held at Luxembourg, March 11-13, 1980 / sponsored by the Commission of the European Communities, Directorate-General for Agriculture, Coordination of Agricultural Research ; edited by R. Moss. -.
Moss, R. The Hague Boston Martinus Nijhoff for the Commission of the European Communities Hingham, Mass. distributors for the United States and Canada, Kluwer Boston 1980. viii, 333 p. : ill. ; 25 cm. --. Includes bibliographies. (NAL Call No.: SF600.C82 v.8).

1129

Leader-follower relationship in steer calves and lactating dairy cows (Patterns of group behavior).
Kondo, S. Terashima, H.; Nishino, S. Ebetsu, Japan, The College. Journal of the College of Dairying. = Rakuno Gakuen Daigaku kiyo. Natural science. Oct 1980. v. 8 (2). p. 371-379. ill. 15 ref. (NAL Call No.: 44.9 R13).

1130

Learning and behavioural ecology.
Shettleworth, S.J. Sunderland, Mass. : Sinauer Associates, c1984. Behavioural ecology : an evolutionary approach / edited by J.R. Krebs and N.B. Davies. p. 170-194. ill. (NAL Call No.: DNAL QL751.B345 1984).

1131

Learning and the training of farm animals. Kilgour, R. Philadelphia, Pa. : W.B. Saunders Company. The Veterinary clinic of North America : food animal practice. In the series analytic: Farm animal behavior / edited by E.O. Price. ~ Literature review. July 1987. v. 3 (2). p. 269-284. ill. Includes references. (NAL Call No.: DNAL SF601.V535).

1132

Learning behaviour in crossbred young calves. Kadu, N.M. Parekh, H.K.B.; Katpatal, B.G. Jabalpur. J.n.k.v.v. research journal. July/Oct 1977 (pub. 1980). v. 11 (3/4). p. 224-226. ill. 3 ref. (NAL Call No.: S19.U32).

1133

The learning behaviour of sheep when introduced to wheat. I. Wheat acceptance by sheep and the effect of trough familiarity. Chapple, R.S. Wodzicka-Tomaszewska, M.; Lynch, J.J. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. Aug 1987. v. 18 (2). p. 157-162. Includes references. (NAL Call No.: DNAL QL750.A6).

1134

The learning behaviour of sheep when introduced to wheat. II. Social transmission of wheat feeding and the role of the senses. Chapple, R.S. Wodzicka-Tomaszewska, M.; Lynch, J.J. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. Aug 1987. v. 18 (2). p. 163-172. ill. Includes references. (NAL Call No.: DNAL QL750.A6).

1135

Libido and mating behavior in bulls, boars and rams. A review.
Chenoweth, P.J. Los Altos, Calif., Geron-X. Theriogenology. Aug 1981. Literature review. v. 16 (2). p. 155-177. 119 ref. (NAL Call No.: QP251.A1T5).

1136

"Libido" in the larger farm animals: a review (Sexual behavior). Wodzicka-Tomaszewska, M. Kilgour, R.; Ryan, M. Amsterdam, Elsevier. Applied animal ethology. June 1981. Literature review. v. 7 (3). p. 203-238. ill. Bibliography p. 230-238. (NAL Call No.: QL750.A6).

(ANIMAL ECOLOGY)

1137

Limitations to pig production imposed by animal behaviour (Behavioural changes of intensively-managed animals).
Hemsworth, P.H. Melbourne, The Society. Proceedings - Australian Society of Animal Production. 1980. v. 13. p. 117-118. Includes bibliography. (NAL Call No.: 49.9 AU72).

1138

Lithium and porcine aggression (Swine, behavior).
McGlone, J.J. Kelley, K.W.; Gaskins, C.T. Champaign, Ill.; American Society of Animal Science. Journal of animal science. Aug 1980. v. 51 (2). p. 447-455. ill. 27 ref. (NAL Call No.: 49 J82).

1139

Livestock behavior as related to handling facilities design (Cattle, pigs, sheep).
Grandin, T. Washington, D.C., Institute for the Study of Animal Problems. International journal for the study of animal problems. Jan/Feb 1980. v. 1 (1). p. 33-52. ill. Bibliography p. 50-52. (NAL Call No.: HV4701.I49).

1140

Locomotion and space structure in six cattle units (Environmental factor in animal housing and welfare).
Zeeb, K. CTVSD. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1983. Paper presented at the Seminar on Farm Animal Housing and Welfare, Aberdeen, July 28-30, 1982. v. 24. p. 129-136. ill. (NAL Call No.: SF600.C82).

1141

Long-distance transport of pregnant heifers by truck.
Lambooy, E. Hulsegege, B. Amsterdam : Elsevier Science Publishers, B.V. Applied animal behaviour science. Aug 1988. v. 20 (3/4). p. 249-258. Includes references. (NAL Call No.: DNAL QL750.A6).

1142

Losses due to inheritance and housing as criteria for the welfare of pigs.
Unshelm, J. CTVSD. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1981. Paper presented at the Seminar in the EEC Programme of Coordination of Research on Animal Welfare, Brussels, November 25-26, 1980. v. 11. p. 95-111. ill. Includes references. (NAL Call No.: SF600.C82).

1143

The lying behaviour of veal calves in different housing systems.
Wilt, J.G. de. Darmstadt : Kuratorium fur Technik und Bauwesen in der Landwirtschaft, 1984? . Proceedings of the International Congress on Applied Ethology in Farm Animals, Kiel, 1984 / edited by J. Unshelm, G. van Putten and K. Zeeb ; sponsored by the Federal Ministry of Food, Agriculture and Forestry. p. 193-195. Includes references. (NAL Call No.: DNAL SF756.7.I5 1984).

1144

The lying behaviour of veal calves up to 220 kg (Body weight).
Putten, G. vanCTVSD. Elshof, W.Y. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1982. v. 19. p. 83-98. ill. 2 p. ref. (NAL Call No.: SF600.C82).

1145

Mare and foal. Establishing the crucial relationship (Behavior patterns).

Hamilton, S. Gaithersburg, Md., Fleet Street Corporation. Equus. Mar 1980. Mar 1980. (29). p. 55-58, 77. ill. 3 ref. (NAL Call No.: SF277.E6).

1146

Mares and foals: following, hiding and the recumbency response.

Crowell-Davis, S.L. Santa Barbara, Calif. : Veterinary Practice Pub. Co. Equine practice. Sept 1986. v. 8 (8). p. 34-36. ill. Includes references. (NAL Call No.: DNAL SF951.E62).

1147

Mares and foals: normal aggression.

Crowell-Davis, S.L. Santa Barbara, Calif. : Veterinary Practice Pub. Co. Equine practice. July/Aug 1986. v. 8 (7). p. 30-31. ill. Includes references. (NAL Call No.: DNAL SF951.E62).

1148

Mares and foals: post-natal behavior.

Crowell-Davis, S.L. Santa Barbara, Calif. : Veterinary Practice Pub. Co. Equine practice. June 1986. v. 8 (6). p. 26-27. Includes references. (NAL Call No.: DNAL SF951.E62).

(ANIMAL ECOLOGY)

1149

Maternal behaviour and mother-young interactions during lactation in free-ranging domestic pigs.

Jensen, P. Amsterdam : Elsevier Science Publishers, B.V. Applied animal behaviour science. Aug 1988. v. 20 (3/4). p. 277-308. Includes references. (NAL Call No.: DNAL QL750.A6).

(NAL Call No.: DNAL 49 J82).

1150

Maternal responses in Merino ewes to artificially colored lambs.

Alexander, G. Shillito, E.E. Amsterdam : Elsevier North-Holland. Developments in animal and veterinary sciences. 1985. v. 18. p. 253-264. Includes 13 references. (NAL Call No.: DNAL QL1.D48).

1151

Maternal vocal recognition in lambs born to Jacob and Dalesbred Ewes after embryo transplantation between breeds (Behavior).

Shillito Walser, E. Willadsen, S.; Hague, P. Amsterdam : Elsevier. Applied animal ethology. June 1982. v. 8 (5). p. 479-486. ill. Includes references. (NAL Call No.: QL750.A6).

1152

Mating activity and its relationship to reproductive performance in Merino sheep.

Fowler, D.G. Amsterdam : Elsevier North-Holland. Developments in animal and veterinary sciences. 1985. v. 18. p. 1-12. maps. Includes 30 references. (NAL Call No.: DNAL QL1.D48).

1153

Mating activity and reproductive performance in Merino flocks where ram percentages are 1.0, 0.5 and 0.25 (Ewes, behavior, estrus, New South Wales).

Fowler, D.G. AAAHA. Melbourne Commonwealth Scientific and Industrial Research Organization. Australian journal of experimental agriculture and animal husbandry. Aug 1982. v. 22 (117). p. 268-273. 2 p. ref. (NAL Call No.: 23 AU792).

1154

Mating behavior, boar-to-boar behavior during rearing and soundness of boars penned individually or in groups from 6 to 27 weeks of age.

JANSAG. Tonn, S.R. Davis, D.L.; Craig, J.V. Champaign, Ill. : American Society of Animal Science. Journal of animal science. Aug 1985. v. 61 (2). p. 287-296. Includes references.

1155

Mating behavior of cockerels: effects of social status, group size and group density.

Kratzer, D.D. Craig, J.V. Amsterdam, Elsevier. Applied animal ethology. Jan 1980. v. 6 (1). p. 49-62. ill. 9 ref. (NAL Call No.: QL750.A6).

1156

Mating behaviour of Merinosheep rams.

Strozik, E. Slawinski, T. Darmstadt : Kuratorium fur Technik und Bauwesen in der Landwirtschaft, 1984? . Proceedings of the International Congress on Applied Ethology in Farm Animals, Kiel, 1984 / edited by J. Unshelm, G. van Putten and K. Zeeb ; sponsored by the Federal Ministry of Food, Agriculture and Forestry. p. 375-377. Includes references. (NAL Call No.: DNAL SF756.7.I5 1984).

1157

Mating behaviour of rams in pens.

AAAHA. Kilgour, R.J. Melbourne : Commonwealth Scientific and Industrial Research Organization. Australian journal of experimental agriculture. 1985. v. 25 (2). p. 298-305. Includes 24 references. (NAL Call No.: DNAL 23 AU792).

1158

Matrilineal social dominance and spatial relationships among Angus and Hereford cows (Behavior).

Stricklin, W.R. JANSAG. Champaign : American Society of Animal Science. Journal of animal science. Dec 1983. v. 57 (6). p. 1397-1405. Includes references. (NAL Call No.: 49 J82).

1159

Measurement and interpretation of behavior observation. 2. Locomotive activity (Poultry, animal ethology).

Bessei, W. Denmark, W.P.S.A., Danish Branch. Proceedings ... European Symposium on Poultry Welfare. 1981. Literature review. 1981. (1st). p. 23-34. Includes 2 p. ref. (NAL Call No.: HD9437.E9).

1160

Measurement and interpretation of behavior observations. 1. Telemetry (Poultry, stress, animal ethology).

Duncan, I.J.H. Denmark, W.P.S.A., Danish Branch. Proceedings ... European Symposium on Poultry Welfare. 1981. 1981. (1st). p. 15-20.

(ANIMAL ECOLOGY)

Includes 2 p. ref. (NAL Call No.: HD9437.E9).

1161

Measurement and interpretation of behavior observations. 3. Behavioural measures for selection (Poultry, breeding, animal ethology). Faure, J.M. Denmark, W.P.S.A., Danish Branch. Proceedings ... European Symposium on Poultry Welfare. 1981. 1981. (1st). p. 37-41. Includes 10 ref. (NAL Call No.: HD9437.E9).

1162

Measurement and interpretation of behaviour observations. 4. Interpretation of behaviour observations (Poultry, animal ethology, analogy-postulate). Brantas, G.C. Denmark, W.P.S.A., Danish Branch. Proceedings ... European Symposium on Poultry Welfare. 1981. 1981. (1st). p. 45-49. (NAL Call No.: HD9437.E9).

1163

Measurement of essential and behavioural needs as provided by present husbandry systems: battery, 'get-away' cage, aviary (Laying hens). Wegner, R.M. CTVSD. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1980. Paper presented at the Seminar in the EEC Programme of Coordination of Research on Animal Welfare, Luxembourg, March 11-13, 1980. v. 8. p. 195-205. (NAL Call No.: SF600.C82).

1164

A method for the quantification of butting activity in androgen-treated wethers (Aggressive behavior). Parrott, R.F. Amsterdam : Elsevier. Applied animal ethology. July 1983. v. 10 (4). p. 319-324. ill. Includes references. (NAL Call No.: QL750.A6).

1165

Methodology of farm animal behaviour studies. Report of a discussion meeting. ARCVBP. Dantzer, R. McFarland, D.J.; Signoret, J.P.; Gauthier, J.Y. Paris : Un Periodique de L'institut national de la recherche agronomique. Annales de recherches vétérinaires = Annals of veterinary research. Includes abstracts of papers. 1986. v. 17 (1). p. 96-106. (NAL Call No.: DNAL SF602.A5).

1166

Milk production, health, behavior, and endocrine responses of cows exposed to electrical current during milking. JDSCAE. Henke Drenkard, D.V. Gorewit, R.C.; Scott, N.R.; Sagi, R. Champaign, Ill. : American Dairy Science Association. Journal of dairy science. Oct 1985. v. 68 (10). p. 2694-2702. Includes 27 references. (NAL Call No.: DNAL 44.8 J822).

1167

Mineral-deficient diets and the pig's attraction to blood: implications for tail-biting.

CNJNA. Fraser, D. Ottawa : Agricultural Institute of Canada. Canadian journal of animal science. Dec 1987. v. 67 (4). p. 909-918. Includes references. (NAL Call No.: DNAL 41.8 C163).

1168

Modification of the responses of sheep to isolation stress by the use of mirror panels. Parrott, R.F. Houpt, K.A.; Misson, B.H. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. May 1988. v. 19 (3/4). p. 331-338. Includes references. (NAL Call No.: DNAL QL750.A6).

1169

More about mules.

Miller, R.M. Manhattan, Kan. : The Association. Proceedings of the annual convention of the American Association of Equine Practitioners. Meeting held on November 29 through December 2nd, 1987, New Orleans, Louisiana. 1988. (33rd). p. 865-869. ill. (NAL Call No.: DNAL SF601.A46).

1170

Mother--calf behaviour during the first six hours after parturition.

Hermann, E. CTVSD. Stenum, N. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1982. v. 19. p. 3-23. 3 p. ref. (NAL Call No.: SF600.C82).

1171

Motor activity of pregnant tethered sows (Restricted housing).

Cariot, R. Dantzer, R. Paris : Dept. de pathologie animale de l'Institut national de la recherche agronomique. Annales de recherches vétérinaires = Annals of veterinary research. 1984. Paper presented at the "CEC Workshop on Welfare of Confined Sows," May 26-27, 1983, Rennes, France. v. 15 (2). p. 257-261. ill.

(ANIMAL ECOLOGY)

Includes references. (NAL Call No.: SF602.A5).

1172

A multiple free choice model for pigs (Behavior, different housing systems).
Mwanjali, S. Smidt, D.; Ellendorff, F. Amsterdam : Elsevier. Applied animal ethology. Jan 1983. v. 9 (3/4). p. 263-271. ill. Includes references. (NAL Call No.: QL750.A6).

1173

Mutual recognition between sows and their litters.
Horrell, I. Hodgson, J. Darmstadt : Kuratorium fur Technik und Bauwesen in der Landwirtschaft, 1984? . Proceedings of the International Congress on Applied Ethology in Farm Animals, Kiel, 1984 / edited by J. Unshelm, G. van Putten and K. Zeeb ; sponsored by the Federal Ministry of Food, Agriculture and Forestry. p. 108-112. Includes references. (NAL Call No.: DNAL SF756.7.I5 1984).

1174

The need for field studies to evaluate welfare situations (Farm animals, health, environment).
Ewbank, R. Basel, Birkhauser Verlag. Tierhaltung. 1981. v. 11. p. 47-53. Includes 14 ref. (NAL Call No.: SF105.T5).

1175

Nest site selection and nest-building behaviour in domestic fowl.
ANBEA. Duncan, I.J.H. Kite, V.G. London : Bailliere Tindall. Domestic hens, Gallus gallus domesticus, prefer to lay in nests containing loose material which can be both moulded by their body and feet movements and manipulated with their beaks during nest building. This study attempted to define which of these two functions the hen regards as more important. When given a choice, hens opted for nests that could be moulded by body and feet movements but could not be manipulated with the beak rather than nests that could not be moulded but could be manipulated. When the importance of loose material was assessed independently of whether the nest could be moulded or not, hens did not seem to regard its presence as essential. These findings suggest that it is more important for hens to have a nesting site with a substrate that can be moulded with the body and feet than one that can be manipulated with the beak. The study then attempted to elucidate whether it is the performance of nest-building motor patterns or the attainment of the final moulded nest that hens find rewarding. When given a choice between pre-moulded nests and mouldable nests, hens opted for the premoulded ones. The frequencies of nest-building activities performed in both nest types, however, were no different. These findings suggest that the hen

has some 'need' to perform nest-building behaviour but does not have to build a nest herself; a pre-moulded nest is perfectly acceptable as long as it allows the performance of the behaviour. When pre-moulded nests were compared with traditional litter nests, the majority of hens opted for litter nests suggesting that these nests have features (as yet undefined) that are particularly attractive to nesting hens. Animal behaviour. Feb 1989. v. 37 (2). p. 215-231. ill. Includes references. (NAL Call No.: DNAL 410 B77).

1176

The neural basis of imprinting.
Bateson, P.P.G. Berlin W. Ger. : Springer-Verlag, c1984. The biology of learning : report of the Dahlem Workshop on the Biology of Learning, Berlin, 1983, October 23-28 / P. Marler and H.S. Terrace, editors. Literature review. p. 325-339. Includes 41 references. (NAL Call No.: DNAL QL785.D32 1984).

1177

Neurochemistry of abnormal behaviour in farm animals.

Sharman, D.F.CTVSD. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1983. Paper presented at the Seminar on Indicators Relevant to Farm Animal Welfare, Mariensee, 9-10 November 1982. v. 23. p. 61-65. Includes references. (NAL Call No.: SF600.C82).

1178

Night-time behavior of stabled and pastured peri-parturient ponies.

Houpt, K.A. O'Connell, M.F.; Houpt, T.A.; Carbonaro, D.A. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. May 1986. v. 15 (2). p. 103-111. Includes references. (NAL Call No.: DNAL QL750.A6).

1179

Noise output of hens subjected to interrupted lighting regimens.

BPOSA. Lewis, P.D. Perry, G.C.; Tuddenham, A. Oxfordshire : Carfax Publishing Company. British poultry science. Sept 1987. v. 28 (3). p. 535-540. Includes references. (NAL Call No.: DNAL 47.8 B77).

(ANIMAL ECOLOGY)

1180

Non-exclusive spatial preference in the laying hen.

Nicol, C.J. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. July 1986. v. 15 (4). p. 337-350. ill. Includes references. (NAL Call No.: DNAL QL750.A6).

1181

Normal and abnormal sexual behavior of the equine male.

Pickett, B.W. Squires, E.L.; Voss, J.L. Fort Collins, Colo. : The Station. General series - Colorado State University Experiment Station. Aug 1981. (1004). 33 p. ill. Includes references. (NAL Call No.: DNAL 100 C71G).

1182

Normal and more highly reactive horses. I. Heart rate, respiration rate and behavioral observations.

McCann, J.S. Heird, J.C.; Bell, R.W.; Lutherer, L.O. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. May 1988. v. 19 (3/4). p. 201-214. Includes references. (NAL Call No.: DNAL QL750.A6).

1183

A note concerning the use of the maternal bond concept.

Kent, J.P. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. June 1987. v. 17 (3/4). p. 361-363. Includes references. (NAL Call No.: DNAL QL750.A6).

1184

A note on multiple fostering of calves on to nurse cows at a few days post-partum (Behavior, maternal bonding).

Kent, J.P. Amsterdam : Elsevier. Applied animal behaviour science. Mar 1984. v. 12 (1/2). p. 183-186. Includes references. (NAL Call No.: QL750.A6).

1185

A note on nursing termination and resting behaviour of suckling piglets (Ethology).

Petherick, J.C. Amsterdam : Elsevier. Applied animal ethology. Jan 1983. v. 9 (3/4). p. 359-365. ill. Includes references. (NAL Call No.: QL750.A6).

1186

A note on social facilitation and competition in the feeding behaviour of pigs.

Hsia, L.C. ANIPA. Wood-Gush, D.G.M. Harlow : Longman. Animal production. Aug 1983. v. 37 (pt. 1). p. 149-152. Includes references. (NAL Call No.: 49 AN55).

1187

A note on the behaviour of individually-penned sheep regarding their use for research purposes.

ANIPA. Marsden, D. Wood-Gush, D.G.M. Neston, South Wirral, England : British Society of Animal Production. Animal production. Feb 1986. v. 42 (pt.1). p. 157-159. Includes references. (NAL Call No.: DNAL 49 AN55).

1188

A note on the effect of castration on the ease of movement and handling of young cattle in yards.

ANIPA. Hinch, G.N. Lynch, J.J. Neston, South Wirral, England : British Society of Animal Production. Animal production. Oct 1987. v. 45 (pt.2). p. 317-320. Includes references. (NAL Call No.: DNAL 49 AN55).

1189

A note on the effect of mixed or segregated penning of boars and gilts over the live-weight range 20 to 80 kg (kilograms) on performance, carcass characteristics and behaviour.

Smith, W.C. Pearson, G.; Holmes, R.J. Harlow : Longman. Animal production. June 1984. v. 38 (pt.3). p. 503-506. Includes references. (NAL Call No.: 49 AN55).

1190

A note on the effect of recording frequency on the estimation of grazing time of cattle and sheep (Behavior).

Smith, H.K. Hodgson, J. Amsterdam : Elsevier. Applied animal ethology. Jan 1984. v. 11 (3). p. 229-236. Includes references. (NAL Call No.: QL750.A6).

1191

A note on the effects of various diets on the drinking behaviour of wether sheep.

Bass, J.M. ANIPA. Harlow : Longman. Animal production. Oct 1982. v. 35 (pt.2). p. 293-294. 5 ref. (NAL Call No.: 49 AN55).

121

(ANIMAL ECOLOGY)

1192

A note on the feeding behaviour of Australorp and White Leghorn chicks hatched in December and April.

Gupta, S.C. Pandey, J.N. New Delhi, Indian Council of Agricultural Research. Indian journal of animal sciences. Nov 1978. v. 48 (11). p. 839-841. ill. 15 ref. (NAL Call No.: 41.8 IN22).

1193

Note on the grazing behaviour of sheep and goat on natural degraded semi-arid range land (Rajasthan).

Swain, N. New Delhi, India, Indian Council of Agricultural Research. The Indian journal of animal sciences. Sept 1982. v. 52 (9). p. 827-830. (NAL Call No.: 41.8 IN22).

1194

A note on the grazing behaviour of young bulls and steers.

Hinch, G.N. ANIPA. Thwaites, C.J.; Lynch, J.J. Harlow : Longman. Animal production. Oct 1982. v. 35 (pt.2). p. 289-291. 7 ref. (NAL Call No.: 49 AN55).

1195

A note on the role of behaviour in pig production and the effect of amperozide on growth performance.

ANIPA. Bjork, A.K.K. Olsson, N.G.E.; Martinsson, K.B.; Goransson, L.A.T. S.I. : Durrant. Animal production. Dec 1987. v. 45 (pt.3). p. 523-526. Includes references. (NAL Call No.: DNAL 49 AN55).

1196

A note on the space use for excretory behaviour of suckling piglets (Ethology).

Petherick, J.C. Amsterdam : Elsevier. Applied animal ethology. Jan 1983. v. 9 (3/4). p. 367-371. ill. Includes references. (NAL Call No.: QL750.A6).

1197

The notion of ethological 'need', models of motivation and animal welfare.

ANBEA. Hughes, B.O. Duncan, I.J.H. London : Bailliere Tindall. The increasingly widespread use of the term ethological 'need', implying that the welfare of animals in intensive husbandry systems will suffer if they are unable to express a normal range of behaviour patterns, has been criticized on the grounds that the term has not been clearly defined nor does it rest on a solid scientific foundation. In this critical review, evidence is presented

which is consistent with the idea that there are cases in which the performance of behaviour itself does not motivationally significant consequences which are not necessarily related to functional requirements. For example, hens go through nest-building sequences during pre-laying behaviour, even though the nest they created previously is still available. This kind of finding is difficult to explain without involving the concept of ethological 'need'. Existing models of motivation are shown to be inadequate in explaining much of the behaviour seen in barren or impoverished environments, or when the animals are highly motivated in situations where consummatory behaviour is difficult to carry out. A modified model which can account for the occurrence of these stereotyped, abnormal and repetitive behaviour patterns is presented. The problems raised by equating the term 'need' with 'necessity' are discussed, particularly in the context of intensive environments where animals are faced with the task of occupying long periods of time with a limited range of behaviour patterns; the authors agree with Dawkins that one solution is its replacement by the concept of 'elasticity', but argue that the notion of 'necessity' may need to be broadened. Animal behaviour. Nov/Dec 1988. v. 36 (6). p. 1696-1707. Includes references. (NAL Call No.: DNAL 410 B77).

1198

Nursing and suckling behaviour of sows and their litters before and after grouping in multi-accommodation pens.

Bryant, M.J. Rowlinson, P. Harlow : Longman. Animal production. Apr 1984. v. 38 (pt.2). p. 277-282. Includes references. (NAL Call No.: 49 AN55).

1199

Nursing apparatus for neonatal piglets (Behavior, artificial nursing, early weaning).
Lewis, N.J. CNJNA. Hurnik, J.F.; Gordon, D.J. Ottawa : Agricultural Institute of Canada. Canadian journal of animal science. Sept 1982. v. 62 (3). p. 975-978. ill. 6 ref. (NAL Call No.: 41.8 C163).

1200

Nursing behaviour and maternal aggression among Welsh ponies (*Equus caballus*).

Crowell-Davis, S.L. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. May 1985. v. 14 (1). p. 11-25. ill. Includes 16 references. (NAL Call No.: DNAL QL750.A6).

(ANIMAL ECOLOGY)

1201

Objective observations on the behaviour of fattening pigs.
Putten, G. van. Amsterdam, Elsevier. Animal regulation studies. Oct 1980. v. 3 (1/2). p. 105-118. 17 ref. (NAL Call No.: HV4701.A52).

1202

Observation on sucking behaviour of Finnsheep lambs with particular reference to the effect of litter size (Growth rate).
Atroshi, F. Dsterberg, S. Berlin, W. Ger. : Paul Parey. Zentralblatt fur Veterinarmedizin. Reihe A. May 1984. v. 31 (4). p. 280-286. ill. Includes references. (NAL Call No.: 41.8 Z5).

1203

Observations on pig lying and dunging behaviour in finishing pens incorporating a raised slatted dunging area.
BOPUDB. Turner, J.D. Lockhart, R. Haddington : The Society. BSAP occasional publication : an occasional publication of the British Society of Animal Production. In the series analytic: Pig housing and the environment / edited by A.T. Smith and T.L.J. Lawrence. Proceedings of a Symposium, October 1986, Kenilworth, Scotland. 1987. (11). p. 142. (NAL Call No.: DNAL SF5.B74).

1204

Observations on the effects of stocking rate on the performance of gilts and boars to bacon weight (Housing, temperature).
Hanrahan, T.J. CTVSD. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1981. Paper presented at the Seminar in the EEC Programme of Coordination of Research on Animal Welfare, Brussels, November 25-26, 1980. v. 11. p. 141-151. Includes references. (NAL Call No.: SF600.C82).

1205

Observations on the maternal behaviour of free-ranging domestic pigs.
Jensen, P. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. Sept 1986. v. 16 (2). p. 131-142. maps. Includes references. (NAL Call No.: DNAL QL750.A6).

1206

Observations on the nursing behaviour of beef cows suckling Charolais cross calves.
Somerville, S.H. Lowman, B.G. Amsterdam, Elsevier. Applied animal ethology. Oct 1979. v. 5 (4). p. 369-373. ill. 9 ref. (NAL Call No.: QL750.A6).

1207

Observations on the social behaviour of domestic fowl in the wild.
Wood-Gush, D.G.M. Duncan, I.J.H.; Savory, C.J. Paris, Masson. Biology of behaviour. = Biologie du comportement. 1978. v. 3 (3). p. 193-205. ill., map. 7 ref. (NAL Call No.: QL750.B52).

1208

Observations on the use of feeding space in a commercial broiler chicken house.
BPOSA. Preston, A.P. Murphy, L.B. Dxfordshire : Carfax Publishing Company. British poultry science. June 1988. v. 29 (2). p. 293-300. Includes references. (NAL Call No.: DNAL 47.8 B77).

1209

Destrous behaviour of Dutch Friesian heifers under subtropical conditions in Tunisia.
IUBMA. Pieterse, M.C. Bakker, H.; Scherwing, C.M.C.; Koops, W.J. Lisse : Swets & Zeitlinger. International journal of biometeorology. Dec 1987. v. 31 (4). p. 269-283. Includes references. (NAL Call No.: DNAL 340.8 IN8).

1210

Olfaction and feeding behaviour in juvenile geese (*Anser a. anser* and *Anser domesticus*).
Wurdinger, I. Berlin, Paul Parey. Zeitschrift fur Tierpsychologie. Feb 1979. v. 49 (2). p. 132-135. ill. 8 ref. (NAL Call No.: 410 Z35).

1211

Olfaction and taste in the ingestive behaviour of pigs and ruminants.
Baldwin, B.A. London, Turret Press Ltd. Milling feed and fertiliser. Jan 1979. v. 162 (1). p. 24-25. ill. (NAL Call No.: 298.8 M622).

1212

Olfactory cues and pig agonistic behavior: evidence for a submissive pheromone.
PHBHA. McGlone, J.J. Elmsford, N.Y. : Pergamon Press. Physiology & behavior. Feb 1985. v. 34 (2). p. 195-198. Includes 13 references. (NAL Call No.: DNAL QP1.P4).

123

(ANIMAL ECOLOGY)

1213

Olfactory recognition between mother and calf in reindeer (*Rangifer t. tarandus* L.) (Social behavior).
Kallquist, L. Mossing, T. Amsterdam : Elsevier. Applied animal ethology. Aug 1982. v. 8 (6). p. 561-565. ill. Includes references. (NAL Call No.: QL750.A6).

1214

On lactation and associated behaviour in a natural herd of horses (Camargue horses, France).
Duncan, P. Harvey, P.H.; Wells, S.M. London : Bailliere Tindall. Animal behaviour. Feb 1984. v. 32 (pt.1). p. 255-263. Includes references. (NAL Call No.: 410 B77).

1215

On the feeding and social behaviour of the laying hen.
Meunier-Salaun, M.C. Faure, J.M. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. Nov 1984. v. 13 (1/2). p. 129-141. Includes references. (NAL Call No.: DNAL QL750.A6).

1216

On the function of warning coloration: a black and yellow pattern inhibits prey-attack by naive domestic chicks.
BESOD6. Schuler, W. Hesse, E. Berlin, W. Ger. : Springer International. Behavioral ecology and sociobiology. 1985. v. 16 (3). p. 249-255. Includes references. (NAL Call No.: DNAL QL751.B4).

1217

On the significance of ethological criteria for the assessment of animal welfare (Behavior).
Wiepkema, P.R. CTVSD. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1983. Paper presented at the Seminar on Indicators Relevant to Farm Animal Welfare, Mariensee, 9-10 November 1982. v. 23. p. 69-79. ill. Includes references. (NAL Call No.: SF600.C82).

1218

Ongoing behaviour and startle responses of chicks.
Forrester, R.C. Broom, D.M. Leiden, E.J. Brill. Behaviour. 1980. v. 73 (pt.1/2). p. 51-63. ill. 17 ref. (NAL Call No.: 410 B393).

1219

Ontogeny of grooming behaviour in the domestic fowl.
Westermann, S. Vestergaard, K. Darmstadt : Kuratorium fur Technik und Bauwesen in der Landwirtschaft, 1984? . Proceedings of the International Congress on Applied Ethology in Farm Animals, Kiel, 1984 / edited by J. Unshelm, G. van Putten and K. Zeeb ; sponsored by the Federal Ministry of Food, Agriculture and Forestry. p. 83-87. ill. Includes references. (NAL Call No.: DNAL SF756.7.I5 1984).

1220

Ontogeny of teat fidelity in pigs and its relation to competition at suckling.
CNJNA. De Passille, A.M.B. Rushen, J.; Hartsock, T.G. Ottawa : Agricultural Institute of Canada. Canadian journal of animal science. June 1988. v. 68 (2). p. 325-338. Includes references. (NAL Call No.: DNAL 41.8 C163).

1221

Open-field behavior of young chicks (*Gallus gallus*): antipredatory responses, social reinstatement motivation, and gender effects.
ALBVA. Vallortigara, G. Zanforlin, M. Austin, Tex. : Psychonomic Society. Two experiments investigating sex differences in the open-field behavior of young chicks are reported. In the first experiment, ambulation latencies of 10-day-old male and female chicks in a novel environment were measured. Half of the chicks were kept in social isolation for 2 days prior to testing; the other half were socially reared until tested. Results showed that in socially reared chicks ambulation latencies were significantly higher in males than in females, whereas in isolation-reared chicks there were no significant sex differences. In the second experiment, latencies of ambulation were measured in socially reared 10-day-old chicks placed in a novel environment with or without a visible predator (i.e., a human being). Sex differences were evident in both conditions, with males showing higher ambulation latencies than females. It is argued that sex differences in open-field behavior of chicks may be due to a stronger motivation for social reinstatement in females, which reduces the usual antipredatory reactions of chicks placed in a novel environment. Animal learning & behavior. Aug 1988. v. 16 (3). p. 359-362. Includes references. (NAL Call No.: DNAL QL785.A725).

1222

Open-field behaviour of male and female domestic chicks as a function of housing conditions, test situations and novelty.
Jones, R.B. Faure, J.M. Paris, France, Masson. Biology of behaviour. = Biologie du comportement. 1982. v. 7 (1). p. 17-25. 1 p. ref. (NAL Call No.: QL750.B52).

(ANIMAL ECOLOGY)

1223

Open-field test behavior of growing swine maintained on a concrete floor and a pasture.
Taylor, L. Friend, T.H. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. Sept 1986. v. 16 (2). p. 143-148. Includes references. (NAL Call No.: DNAL QL750.A6).

1224

Operant conditioning in farm animals and its relevance to welfare (Temperature, illumination, pigs, ruminants).
Baldwin, B.A. CTVSD. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1983. Paper presented at the Seminar on Indicators Relevant to Farm Animal Welfare, Mariensee, 9-10 November 1982. v. 23. p. 117-120. Includes references. (NAL Call No.: SF600.C82).

1225

Operant determination of the cage and feeder size preferences of the laying hen.
Faure, J.M. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. July 1986. v. 15 (4). p. 325-336. ill. Includes references. (NAL Call No.: DNAL QL750.A6).

1226

Operant studies on the behavior of pigs and sheep in relation to the physical environment.
Baldwin, B.A. Champaign, Ill., American Society of Animal Science. Journal of animal science. Oct 1979. v. 49 (4). p. 1125-1134. ill. Bibliography p. 1133-1134. (NAL Call No.: 49 J82).

1227

Order of cow entry at milking and its relationships with milk yield and consistency of the order (Behavior, commercial farms, New South Wales, Australia).
Rathore, A.K. Amsterdam, Elsevier. Applied animal ethology. Jan 1982. v. 8 (1/2). p. 45-52. Includes 1 p. ref. (NAL Call No.: QL750.A6).

1228

Overcoming behavioral barriers in mating the Muscovy drake (*Cairina moschata*) with the Pekin duck (*Anas platyrhynchos*).
POSCAL. Gvaryahu, G. Robinzon, B.; Snapir, N. Champaign, Ill. : Poultry Science Association. Poultry science. Feb 1985. v. 64 (2). p. 417-419. Includes references. (NAL Call No.: DNAL 47.8 AM33P).

1229

Oviposition in laying hens: amenability to operant conditioning.
CNJNA. Luescher, U.A. Hurnik, J.F. Ottawa : Agricultural Institute of Canada. Canadian journal of animal science. June 1988. v. 68 (2). p. 549-552. ill. Includes references. (NAL Call No.: DNAL 41.8 C163).

1230

Parameters for assessing welfare, ethological criteria (Swine, behavior).
Buchenauer, D. CTVSD. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1981. Paper presented at the Seminar in the EEC Programme of Coordination of Research on Animal Welfare, Brussels, November 25-26, 1980. v. 11. p. 75-94. Includes references. (NAL Call No.: SF600.C82).

1231

Patterns and frequency of social interactions in young grazing bulls and steers (Hereford cattle, social behavior, New South Wales).
Hinch, G.N. Lynch, J.J.; Thwaites, C.J. Amsterdam : Elsevier. Applied animal ethology. Nov 1982. v. 9 (1). p. 15-30. ill. Includes references. (NAL Call No.: QL750.A6).

1232

The peck orders of chickens: how do they develop and why are they linear? (Pecking behavior).
Rushen, J. ANBEA. London : Bailliere Tindall. Animal behaviour. Nov 1982. v. 30 (pt.4). p. 1129-1137. 2 p. ref. (NAL Call No.: 410 B77).

1233

Perforated-floor preference of weanling pigs (Behavior).
Pouteaux, V.A. Christison, G.I.; Stricklin, W.R. Amsterdam : Elsevier. Applied animal ethology. Sept 1983. v. 11 (1). p. 19-23. Includes references. (NAL Call No.: QL750.A6).

1234

Performance and behavior of calves weaned at four herd densities.
Richmond, C.E. Schake, L.M. College Station, Tex., The Station. PR - Texas Agricultural Experiment Station. 1981. 1981. (3758/3830). p. 135-139. ill. 3 ref. (NAL Call No.: 100 T31P).

125

(ANIMAL ECOLOGY)

1235

Performance, behavior, plasma corticosterone, and economic returns of laying hens in several management alternatives.

POSCAL. Koelkebeck, K.W. Cain, J.R. Champaign, Ill. : Poultry Science Association. Poultry science. Literature review. Nov 1984. v. 63 (11). p. 2123-2131. ill. Includes references. (NAL Call No.: DNAL 47.8 AM33P).

Ministry of Food, Agriculture and Forestry. p. 245-250. Includes references. (NAL Call No.: DNAL SF756.7.I5 1984).

1236

The performance of nest building by domestic hens: is it more important than the construction of a nest?

ANBEA. Hughes, B.O. Duncan, I.J.H.; Brown, M.F. London : Bailliere Tindall. Domestic hens were presented with three different types of littered nest: a flat litter surface (A), a preformed hollowed nest (B) and a preformed nest with an egg (C). Nests B and C had been previously constructed in both nest types A and B. Of the three nest-building behaviour patterns, gathering, in which the hen moved litter nearer to her body with head and beak movements, and litter-placing, in which she picked up particles of litter and dropped them over her shoulder, increased in the preformed nests compared with the control. Rotating, in which the hen crouched on the nest, rotated and scraped outwards with her feet, did not differ between treatments. Thus, nest-building behaviour was not inhibited by the existence of a preformed nest. This finding does not support the hypothesis that animal welfare in intensive housing can be safeguarded merely by providing that environment which would have been created by the animal's own activities. Rather, it suggests that performance of behaviour can in itself be reinforcing and that provision is required for such behaviour to be carried out. This finding may also have important implications for general motivational theory. Animal behaviour. Feb 1989. v. 37 (2). p. 210-214. Includes references. (NAL Call No.: DNAL 410 B77).

1239

Physiological aspects of social space in heifers and pigs.

CTVSD. Ladewig, J. Schlichting, M.C.; Beneke, B.; Borell, E. von; Stuhec, I.; Smidt, D. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. Paper presented at the "Seminar on the Social Space for Domestic Animals," January 10-11, 1985, Brussels. 1985. v. 35. p. 151-159. Includes references. (NAL Call No.: DNAL SF600.C82).

1240

Physiological assessment of adaptation in farm animals.

Dantzer, R. CTVSD. Mormede, P.; Henry, J.P. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1983. Paper presented at the Seminar on Farm Animal Housing and Welfare, Aberdeen, July 28-30, 1982. v. 24. p. 8-19. ill. Includes references. (NAL Call No.: SF600.C82).

1241

Physiological correlates of social behaviour in bighorn sheep: a field study using electrocardiogram telemetry (*Ovis canadensis canadensis*, Alberta, Canada).

MacArthur, R.A. Geist, V.; Johnston, R.H. London, Academic Press. Journal of zoology. Mar 1982. v. 196 (pt.3). p. 401-415. ill. Includes 2 p. ref. (NAL Call No.: 410.9 L84P).

1242

Physiological parameters with relevance to calf welfare (Environment, transportation).

Eichinger, H.M. CTVSD. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1982. v. 19. p. 79-82. ill. 4 ref. (NAL Call No.: SF600.C82).

1243

The physiological responses to fighting in pigs and the consequences for meat quality.

JSFAA. Warriss, P.D. Brown, S.N. Oxford, Eng. : Blackwell Scientific Publications. Journal of the science of food and agriculture. Feb 1985. v. 36 (2). p. 87-92. ill. Includes 20 references. (NAL Call No.: DNAL 382 S012).

1237

Peri-parturient changes in behaviour in free-ranging domestic pigs.

Jensen, P. Floren, K.; Hobroek, B. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. Apr 1987. v. 17 (1/2). p. 69-76. Includes references. (NAL Call No.: DNAL QL750.A6).

1238

The personality of the dairy stockman and its influence on the interaction process.

Seabrook, M.F. Darmstadt : Kuratorium fur Technik und Bauwesen in der Landwirtschaft, 1984? . Proceedings of the International Congress on Applied Ethology in Farm Animals, Kiel, 1984 / edited by J. Unshelm, G. van Putten and K. Zeeb ; sponsored by the Federal

(ANIMAL ECOLOGY)

1244

Physiological stimuli of thirst and drinking patterns in ponies.
EQVJA. Sufit, E. Houpt, K.A.; Sweeting, M. London : British Equine Veterinary Association. Equine veterinary journal. Jan 1985. v. 17 (1). p. 12-16. illl. Includes references. (NAL Call No.: DNAL SF955.E6).

1245

Physiology and behaviour of young pigs in relation to the environment.
Ingram, D.L. CTVSD. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1981. Paper presented at the Seminar in the EEC Programme of Coordination of Research on Animal Welfare, Brussels, November 25-26, 1980. v. 11. p. 33-45. Includes references. (NAL Call No.: SF600.C82).

1246

Physiology of stress: a behavioral view.
CTVSD. Bohus, B. Kooihaas, J.M.; Nyakas, C.; Steffens, A.B.; Fokkema, D.S.; Scheurink, A.J.W. Dordrecht : Martinus Nijhoff Publishers. Current topics in veterinary medicine and animal science. In the series analytic: Biology of stress in farm animals: an integrative approach / edited by P.R. Wiepkema and P.W.M. van Adrichem. A seminar in the CEC programme of coordination research on animal welfare, April 17-18, 1986, Oosterbeek, Netherlands. 1987. v. 42. p. 57-70. Includes references. (NAL Call No.: DNAL SF600.C82).

1247

The pig as a model for behavioral research.
LBASA. Dantzer, R. Cordova, Tenn. : American Association for Laboratory Animal Science. Laboratory animal science. Aug 1986. v. 36 (4). p. 362-365. Includes references. (NAL Call No.: DNAL 410.9 P94).

1248

Pig behavior studies applied to slaughter-plant design (Abattoirs).
Grandin, T. Amsterdam : Elsevier. Applied animal ethology. Dec 1982. v. 9 (2). p. 141-151. illl. Includes references. (NAL Call No.: QL750.A6).

1249

Pig behaviour and welfare.
Hurnik, J.F. (Guelph, Ont.? : The University?, 1981?). Management of the sow and the young pig : Pork Symposium Guelph, April 14th and 15th, 1981, Guelph / sponsored by the University of Guelph & the Ontario Ministry of Agriculture and Food. p. 70-73. (NAL Call No.: SF391.3.G7 1981).

1250

Pig housing and welfare.
Sainsbury, D.W.B. Aberdeen : Scottish Farm Buildings Investigation Unit. Farm building progress. Apr 1984. Apr 1984. (76). p. 7-10. (NAL Call No.: TH4911.F37).

1251

The Pit Bull adoption quandary.
Case, D.B. Tucson, Az. : KBR Publications. Community animal control. Mar/Apr 1984. v. 3 (2). p. 11, 28. illl. Includes references. (NAL Call No.: DNAL HV4764.C62).

1252

The place of behaviour in physiology.
CTVSD. Cabanac, M. Dordrecht : Martinus Nijhoff Publishers. Current topics in veterinary medicine and animal science. In the series analytic: Biology of stress in farm animals: an integrative approach / edited by P.R. Wiepkema and P.W.M. van Adrichem. A seminar in the CEC programme of coordination research on animal welfare, April 17-18, 1986, Oosterbeek, Netherlands. 1987. v. 42. p. 187-194. Includes references. (NAL Call No.: DNAL SF600.C82).

1253

Plasma-testosterone development in colony and individually housed male guinea pigs.
Sachser, N. Prove, E. Berlin, W. Ger. : Paul Parey. Ethology. Sept 1988. v. 79 (1). p. 62-70. Includes references. (NAL Call No.: DNAL QL750.E74).

1254

Play development in Welsh pony (*Equus caballus*) foals.
Crowell-Davis, S.L. Houpt, K.A.; Kane, L. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. Aug 1987. v. 18 (2). p. 119-131. illl. Includes references. (NAL Call No.: DNAL QL750.A6).

127

(ANIMAL ECOLOGY)

1255

Playing games is a serious business (Animal behavior, deer, sheep, flies, baboons). Arak, A.NWSCA. London : IPC Magazines. New scientist. Feb 2, 1984. Feb 2, 1984. (1395). p. 31-34. ill. (NAL Call No.: 472 N42).

1256

Porcine aggression: measurement and effects of crowding and fasting (Animal behavior). Kelley, K.W. McGlone, J.J.; Gaskins, C.T. Champaign, Ill., American Society of Animal Science. Journal of animal science. Feb 1980. v. 50 (2). p. 336-341. ill. 19 ref. (NAL Call No.: 49 J82).

1257

Position in the peck order and response to human threat in domestic fowl (Chickens, dominance, hysteria, social behavior). Syme, L.A. Syme, G.J. Amsterdam : Elsevier. Applied animal ethology. Jan 1983. v. 9 (3/4). p. 351-357. Includes references. (NAL Call No.: QL750.A6).

1258

The position of the stallion in the equine dominance hierarchy of feral and domestic ponies (Horse, behavior). Houpt, K.A. Keiper, R. Champaign, Ill., American Society of Animal Science. Journal of animal science. May 1982. v. 54 (5). p. 945-950. Includes 17 ref. (NAL Call No.: 49 J82).

1259

Possibilities and limitations of choice tests in relation to animal well-being. Rooijen, J. van. Darmstadt : Kuratorium fur Technik und Bauwesen in der Landwirtschaft, 1984? . Proceedings of the International Congress on Applied Ethology in Farm Animals, Kiel, 1984 / edited by J. Unshelm, G. van Putten and K. Zeeb ; sponsored by the Federal Ministry of Food, Agriculture and Forestry. p. 353-357. ill. Includes references. (NAL Call No.: DNAL SF756.7.I5 1984).

1260

Post-partum interval to oestrus in monozygous twin cows and possible effects of maternal bonding (Behavior, feeding, suckling). MacMillan, K.L. Wellington : Dept. of Scientific and Industrial Research. New Zealand journal of agricultural research. 1983. v. 26 (4). p. 451-454. ill. Includes = references. (NAL Call No.: 23 N4892).

1261

Pre- and post-farrowing behaviour in primiparous domesticated pigs. Lammers, G.J. De Lange, A. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. Apr 1986. v. 15 (1). p. 31-43. Includes references. (NAL Call No.: DNAL QL750.A6).

1262

Pre-laying behavior of hens kept in single- or multiple-hen cages. Ramos, N.C. Craig, J.V. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. May 1988. v. 19 (3/4). p. 305-313. Includes references. (NAL Call No.: DNAL QL750.A6).

1263

Pre-laying behaviour in battery cages. BPOSA. Mills, A.D. Wood-Gush, D.G.M. Harlow, Essex : Longman. British poultry science. Apr 1985. v. 26 (2). p. 247-252. Includes references. (NAL Call No.: DNAL 47.8 B77).

1264

The pre-laying behaviour of laying hens in cages with and without laying nests. Brantas, G.C. Genova : (s.n.). Zootecnica international. July 1982. July 1982. (7). p. 41-42. 4 ref. (NAL Call No.: SF600.Z6).

1265

The pre-laying behaviour of laying hens in cages with and without laying nests. Brantas, G.C. CTVSD. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1980. Paper presented at the Seminar in the EEC Programme of Coordination of Research on Animal Welfare, Luxembourg, March 11-13, 1980. v. 8. p. 227-237. Includes references. (NAL Call No.: SF600.C82).

1266

Predictability of feeding: its effect on agonistic behaviour and growth in grower pigs. Carlstead, K. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. Aug 1986. v. 16 (1). p. 25-38. Includes references. (NAL Call No.: DNAL QL750.A6).

(ANIMAL ECOLOGY)

1267

Preference tests of ramp designs for young pigs.
CNJNA. Phillips, P.A. Thompson, B.K.; Fraser, D. Ottawa : Agricultural Institute of Canada. Canadian journal of animal science. Mar 1988. v. 68 (1). p. 41-48. ill. Includes references. (NAL Call No.: DNAL 41.8 C163).

1268

Preferences of domestic hens for cage size and floor types as measured by operant conditioning.
Lagadic, H. Faure, J.M. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. Dec 1987. v. 19 (1/2). p. 147-155. ill. Includes references. (NAL Call No.: DNAL QL750.A6).

1269

A preliminary experiment on T-maze choice tests.
Rooijen, J. van. Metz, J.H.M. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. Dec 1987. v. 19 (1/2). p. 51-66. ill. Includes references. (NAL Call No.: DNAL QL750.A6).

1270

Preliminary observations on the performance of village pigs (*Sus scrofa papuensis*) under intensive outdoor management. III. Behaviour at tether (Papua New Guinea).
Rose, C.J. SCNGA. Papua : University of Papua New Guinea. Science in New Guinea. Apr 1983. v. 9 (1). p. 11-17. ill. Includes references. (NAL Call No.: Q4.S25).

1271

Preloads of water, but not isotonic saline, reduce drinking in domestic fowls.
PHBHA. Yeomans, M.R. Savory, C.J. Elmsford, N.Y. : Pergamon Press. Physiology & behavior. 1988. v. 43 (4). p. 423-428. Includes references. (NAL Call No.: DNAL QP1.P4).

1272

Prepartum behavior of gilts in three farrowing environments.
JANSAG. Heckt, W.L. Widowski, T.M.; Curtis, S.E.; Gonyou, H.W. Champaign, Ill. : American Society of Animal Science. Journal of animal science. June 1988. v. 66 (6). p. 1378-1385. ill. Includes references. (NAL Call No.: DNAL 49 J82).

1273

Preventing trailering problems. I.
Crowell-Davis, S. Crowell-Davis, W.; Caudle, A. Santa Barbara, Calif. : Veterinary Practice Pub. Co. Equine practice. Nov/Dec 1986. v. 8 (10). p. 31-32, 36. (NAL Call No.: DNAL SF951.E62).

1274

Preventing trailering problems. II.
Crowell-Davis, S. Crowell-Davis, W.; Caudle, A. Santa Barbara, Calif. : Veterinary Practice Pub. Co. Equine practice. Jan 1987. v. 9 (1). p. 32-33. (NAL Call No.: DNAL SF951.E62).

1275

Principles of learning.
Voith, V.L. Philadelphia : W.B. Saunders. The Veterinary clinics of North America : equine practice. In the series analytic: Behavior / edited by S.L. Crowell-Davis and K.A. Houp. Dec 1986. v. 2 (3). p. 485-506. ill. Includes references. (NAL Call No.: DNAL SF951.V47).

1276

The principles underlying choice feeding behaviour in fowls--with special reference to production experiments.
Hughes, B.O. Aylesbury : World's Poultry Science Association. World's poultry science journal. June 1984. v. 40 (2). p. 141-150. Includes references. (NAL Call No.: 47.8 W89).

1277

Priorities in the cage size and flooring preferences of domestic hens (Assessment of welfare, regulations governing animal housing).
Dawkins, M. Harlow, Essex, Eng., Longman. British poultry science. May 1981. v. 22 (3). p. 255-263. Bibliography p. 262-263. (NAL Call No.: 47.8 B77).

1278

The problem of assessing "well-being" and "suffering" in farm animals (Health, behavior).
Duncan, I.J.H.CTVSD. Dawkins, M.S. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1983. Paper presented at the Seminar on Indicators Relevant to Farm Animal Welfare, Mariensee, 9-10 November 1982. v. 23. p. 13-24. Includes references. (NAL Call No.: SF600.C82).

(ANIMAL ECOLOGY)

1279

Proceedings of the International Congress on Applied Ethology in Farm Animals, Kiel, 1984
/edited by J. Unshelm, G. van Putten and K. Zeeb ; sponsored by the Federal Ministry of Food, Agriculture and Forestry.
Unshelm, J.; Putten, G. van.; Zeeb, K. Darmstadt : Kuratorium fur Technik und Bauwesen in der Landwirtschaft, 1984? . "The International Congress on Applied Ethology in Farm Animals in Kiel was the first joint event of the European Association for Animal Production, Commission on Animal Management and Health, the Society for Veterinary Ethology and the Section of Applied Ethology of the German Veterinary Society."--pref. 428 p. : ill. ; 21 cm. Includes bibliographies. (NAL Call No.: DNAL SF756.7.I5 1984).

1280

Productive behaviour of Lyallpur Silver Black and Fayoumi breed of poultry.
Mahmood, S. Chaudhry, M.R.; Ahmad, M.D.; Siddiqi, M.Z. Faisalabad : Faculty of Veterinary Science, University of Agriculture. Pakistan veterinary journal. Oct 1984. v. 4 (4). p. 223-226. Includes references. (NAL Call No.: DNAL SF604.P32).

1281

Putting science into practice (Floor housing systems, laying hens, behavior).
Hill, J.A.CTVSD. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1980. Paper presented at the Seminar in the EEC Programme of Coordination of Research on Animal Welfare, Luxembourg, March 11-13, 1980. v. 8. p. 207-225. Includes references. (NAL Call No.: SF600.C82).

1282

A quantitative analysis of social behaviour of different crossbreds of dairy cattle kept in loose housing and its relationship to productivity.
Jezierski, T.A. Podluzny, M. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. Nov 1984. v. 13 (1/2). p. 31-40. Includes references. (NAL Call No.: DNAL QL750.A6).

1283

A quantitative ethogram of aggressive and submissive behaviors in recently regrouped pigs.
JANSAG. McGlone, J.J. Champaign, Ill. : American Society of Animal Science. Journal of animal science. Sept 1985. v. 61 (3). p. 559-565. ill. Includes references. (NAL Call No.: DNAL 49 J82).

1284

A quantitative ethogram of behavior of yearling ewes during two hours post-parturition.
McGlone, J.J. Stobart, R.H. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. Sept 1986. v. 16 (2). p. 157-164. Includes references. (NAL Call No.: DNAL QL750.A6).

1285

A quantitative study of pre-ovulatory behaviour in cattle (British Friesian heifers).
Esslemont, R.J. Glencross, R.G. Amsterdam, Elsevier. Applied animal ethology. Jan 1980. v. 6 (1). p. 1-17. ill. 19 ref. (NAL Call No.: QL750.A6).

1286

Radiography of intake and (pseudo) rumination behaviour (Sheep).
Deswysen, A. Ehrlein, H.J. Paris, Dept. de pathologie animale de l'Institut national de la recherche agronomique. Annales de recherches vétérinaires. Annals of veterinary research. 1979. v. 10 (2/3). p. 208-210. ill. 5 ref. (NAL Call No.: SF602.A5).

1287

Ram mating preferences.
Tilbrook, A. Cameron, A.W.N. Cambridge : Cambridge University Press, 1984. Reproduction in sheep : Australian Wool Corporation technical publication / supervising editors, D.R. Lindsay and D.T. Pearce. p. 47-49. Includes references. (NAL Call No.: DNAL SF768.2.S5R46).

1288

The reaction of cows to a short-term deprivation of lying.
Metz, J.H.M. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. Mar 1985. v. 13 (4). p. 301-307. Includes 11 references. (NAL Call No.: DNAL QL750.A6).

1289

The reaction of grazing sheep and cattle to the presence of dung from the same or the other species.
GSFCD. Forbes, T.D.A. Hodgson, J. Oxford : Blackwell Scientific Publications. Grass and forage science. June 1985. v. 40 (2). p. 177-182. Includes references. (NAL Call No.: DNAL 60.19 B773).

130

(ANIMAL ECOLOGY)

1290

The reaction of young bulls to short-haul road transport.

Kenny, F.J. Tarrant, P.V. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. June 1987. v. 17 (3/4). p. 209-227. Includes references. (NAL Call No.: DNAL QL750.A6).

1291

Rearing conditions and behaviour in pigs
/W.G.P. Schouten.

Schouten, W. G. P. 1947-. 1986. Thesis (doctoral)-Landbouwhogeschool te Wageningen, 1986. Summary and vita in Dutch.~ Includes vita. 151, 4 p. : ill. ; 24 cm. Bibliography: p. 145-151. (NAL Call No.: DNAL SF396.3.S36).

1292

Recorded sounds associated with feeding did not affect feeding behavior of lambs.

Tanida, H. Hohenboken, W.D.; Swanson, L.V. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. Jan 1985. v. 13 (3). p. 275-281. Includes 15 references. (NAL Call No.: DNAL QL750.A6).

1293

Reduction of pig agonistic behavior by androstenone.

JANSAG. McGlone, J.J. Morrow, J.L. Champaign, Ill. : American Society of Animal Science. Journal of animal science. Apr 1988. v. 66 (4). p. 880-884. Includes references. (NAL Call No.: DNAL 49 U82).

1294

The regulation of dustabathing and other behaviour patterns in the laying hen: a Lorenzian approach.
Vestergaard, K. CTVSD. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1980. Paper presented at the Seminar in the EEC Programme of Coordination of Research on Animal Welfare, Luxembourg, March 11-13, 1980. v. 8. p. 101-120. ill. Includes references. (NAL Call No.: SF600.C82).

1295

Regulation of sucking behaviour of calves.
Metz, J.H.M. Darmstadt : Kuratorium fur Technik und Bauwesen in der Landwirtschaft, 1984? . Proceedings of the International Congress on Applied Ethology in Farm Animals, Kiel, 1984 / edited by J. Unshelm, G. van Putten and K. Zeeb ; sponsored by the Federal Ministry of Food, Agriculture and Forestry. p. 70-73. Includes

references. (NAL Call No.: DNAL SF756.7.I5 1984).

1296

Reinforcing properties of access to litter in hens.

Dawkins, M.S. Beardsley, T. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. July 1986. v. 15 (4). p. 351-364. ill. Includes references. (NAL Call No.: DNAL QL750.A6).

1297

Relation of appetite behaviour with milk yield in crossbred and Red Sindhi cows and Murrah buffaloes.

IJDSEA. Panda, P.K. Mishra, M.; Nayak, J.B. New Delhi : Indian Dairy Association. The Indian journal of dairy science. Mar 1984. v. 37 (1). p. 16-19. Includes references. (NAL Call No.: DNAL 44.8 IN28).

1298

Relationship between oestrous behaviour and frequency of visits made by dairy cows to out-of-parlour concentrate dispensers.

Little, W. Herriman, I.D.; Harrison, R.D. London : British Veterinary Association. The Veterinary record. June 23, 1984. v. 114 (25). p. 613-614. ill. Includes references. (NAL Call No.: 41.8 V641).

1299

Relationship between production factors and dominance in white leghorn hens in a study on social rank and cage design (Aggressiveness, behavior, egg production, head pecking, weight gains).

Cunningham, D.L. Tienhoven, A. van. Amsterdam : Elsevier. Applied animal ethology. Sept 1983. v. 11 (1). p. 33-44. Includes references. (NAL Call No.: QL750.A6).

1300

The relationship between serum testosterone levels, sex and teat-seeking ability of newborn piglets.

CNJNA. Bate, L.A. Kreukniet, M.B.; Hacker, R.R. Ottawa : Agricultural Institute of Canada. Canadian journal of animal science. Sept 1985. v. 65 (3). p. 627-630. Includes references. (NAL Call No.: DNAL 41.8 C163).

(ANIMAL ECOLOGY)

1301

The relationship between the social dominance of cows in a grazing herd and their milk production, herbage intake and grazing behaviour.

IJALAG. Dublin : An Foras Taluntais. Irish journal of agricultural research. 1987. v. 26 (2/3). p. 231-235. Includes references. (NAL Call No.: DNAL 10.5 IR45).

1302

Relationship of milk intake by sucking and by drinking to reticular-groove reactions and ingestion behavior in calves.

JDSCAE. Wise, G.H. Anderson, G.W.; Linnerud, A.C. Champaign, Ill. : American Dairy Science Association. Journal of dairy science. Sept 1984. v. 67 (9). p. 1983-1992. Includes 37 references. (NAL Call No.: DNAL 44.8 J822).

1303

Relationship of seasonal cycles of food intake and sexual activity in Soay rams (Behavior).
Kay, R.N.B. Suttie, J.M. Cambridge, Cambridge University Press. The Journal of physiology. Jan 1981. v. 310. p. 34P-35P. 3 ref. (NAL Call No.: 447.8 J82).

1304

Relationships between parameters of the open field test of cows and their milk production in loose housing (Behavior, breeds, milk yields, Czechoslovakia).

Kovalcikova, M. Kovalcik, K. Amsterdam : Elsevier. Applied animal ethology. Dec 1982. v. 9 (2). p. 121-129. ill. Includes references. (NAL Call No.: QL750.A6).

1305

The relevance of models of motivation and learning to animal welfare.

CTVSD. Toates, F. Dordrecht : Martinus Nijhoff Publishers. Current topics in veterinary medicine and animal science. In the series analytic: Biology of stress in farm animals: an integrative approach / edited by P.R. Wiepkema and P.W.M. van Adrichem. A seminar in the CEC programme of coordination research on animal welfare, April 17-18, 1986, Oosterbeek, Netherlands. Literature review. 1987. v. 42. p. 153-186. Includes references. (NAL Call No.: DNAL SF600.C82).

1306

Relevance of some behavioural criteria concerning the sow (motor activity and water intake) in intensive pig farming and veterinary practice.

ARCVBP. Madec, F. Cariotet, R.; Dantzer, R. Paris : Un Periodique de L'institut national de la recherche agronomique. Annales de recherches vétérinaires = Annals of veterinary research. 1986. v. 17 (2). p. 177-184. Includes references. (NAL Call No.: DNAL SF602.A5).

1307

Repeatability of fear ranks among adult laying hens.

Jones, R.B. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. May 1988. v. 19 (3/4). p 297-304. Includes references. (NAL Call No.: DNAL QL750.A6).

1308

Repeatability of semen production and libido score in young beef bulls.

UAABB. Makarechian, M. Farid, A. Edmonton : The Faculty. Agriculture & forestry bulletin - Alberta University. Faculty of Extension. June 15, 1984. p. 35-36. (NAL Call No.: DNAL 101 AL1A).

1309

Reproductive behavior of helmeted guinea fowl (*Numida meleagris*): mating systems and parental care.

Elbin, S.B. Crowe, T.M.; Graves, H.B. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. Sept 1986. v. 16 (2). p. 179-197. ill. Includes references. (NAL Call No.: DNAL QL750.A6).

1310

Reproductive behavior of the stallion.

McDonnell, S. Philadelphia : W.B. Saunders. The Veterinary clinics of North America : equine practice. In the series analytic: Behavior / edited by S.L. Crowell-Davis and K.A. Houp. Dec 1986. v. 2 (3). p. 535-555. ill. Includes references. (NAL Call No.: DNAL SF951.V47).

1311

Reproductive behaviour in hens.

Wood-Gush, D.G.M. Berlin (West Germany) : Springer-Verlag, 1983. Hormones and behaviour in higher vertebrates / edited by J. Balthazart, E. Prove, and R. Gilles. p. 474-480. ill. Includes references. (NAL Call No.: QP571.H658).

132

(ANIMAL ECOLOGY)

1312

Reproductive behaviour of rams.

Fowler, D.G. Cambridge : Cambridge University Press, 1984. Reproduction in sheep : Australian Wool Corporation technical publication / supervising editors, D.R. Lindsay and D.T. Pearce. Literature review. p. 39-46. Includes references. (NAL Call No.: DNAL SF768.2.S5R46).

1313

Research note: Effects of feed trough partitions on productivity and behavior of layers.

POSCAL. Anderson, K.E. Adams, A.W. Champaign, Ill. : Poultry Science Association. Poultry science. Sept 1988. v. 67 (9). p. 1348-1351. Includes references. (NAL Call No.: DNAL 47.8 AM33P).

1314

Researching the plant-animal interface: the investigation of ingestive behavior in grazing animals.

JANSAG. Forbes, T.D.A. Champaign, Ill. : American Society of Animal Science. Journal of animal science. Sept 1988. v. 66 (9). p. 2369-2379. Includes references. (NAL Call No.: DNAL 49 J82).

1315

Resistance expressed by hosts to feeding by adult lone star ticks.

Needham, G.R. Jaworski, D.; Pemberton, B.; Muller, M.T. Vero Beach, FL : University of Florida-IFAS, Florida Medical Entomology Laboratory; 1986. Host regulated developmental mechanisms in vector arthropods : proceedings of the Vero Beach symposium, Vero Beach, Florida, February 3-6, 1986 / edited by D. Borovsky and A. Spielman. p. 168-174. Includes references. (NAL Call No.: DNAL RA641.A7H67).

1316

Response of bonded and non-bonded sheep to the approach of a trained border collie.

Anderson, D.M. Hulet, C.V.; Shupe, W.L.; Smith, J.N.; Murray, L.W. Amsterdam : Elsevier Science Publishers, B.V. Applied animal behaviour science. Nov 1988. v. 21 (3). p. 251-257. Includes references. (NAL Call No.: DNAL QL750.A6).

1317

Response of pheasant chicks to adult lady beetles (Coleoptera: Coccinellidae) (*Phasianus colchicus*, *Hippodamia convergens*, *Coleomegilla maculata*, avoidance behavior).

Whitmore, R.W. Pruess, K.P. Lawrence : The Society. Journal of the Kansas Entomological Society. July 1982. v. 55 (3). p. 474-476. 8 ref. (NAL Call No.: 420 K13).

1318

Responses of dairy cows to alternating electrical current administered semirandomly in a nonavoidance environment.

JDSCAE. Gorewit, R.C. Scott, N.R.; Czarniecki, C.S. Champaign, Ill. : American Dairy Science Association. Journal of dairy science. Mar 1985. v. 68 (3). p. 718-725. Includes 8 references. (NAL Call No.: DNAL 44.8 J822).

1319

Responses of newborn piglets to thermal and tactile properties of their environment.

Welch, A.R. Baxter, M.R. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. June 1986. v. 15 (3). p. 203-215. Includes references. (NAL Call No.: DNAL QL750.A6).

1320

Responses of tranquilized post-partum ewes to alien lambs.

Tomlinson, K.A. Price, E.O.; Torell, D.T. Amsterdam : Elsevier North-Holland. Developments in animal and veterinary sciences. 1985. v. 18. p. 171-179. Includes 11 references. (NAL Call No.: DNAL QL1.D48).

1321

Responses of tranquilized post-partum ewes to alien lambs (Behavior).

Tomlinson, K.A. Price, E.O.; Torell, D.T. Amsterdam, Elsevier. Applied animal ethology. Jan 1982. v. 8 (1/2). p. 109-117. Includes 11 ref. (NAL Call No.: QL750.A6).

1322

Rest behavior.

Dallaire, A. Philadelphia : W.B. Saunders. The Veterinary clinics of North America : equine practice. In the series analytic: Behavior / edited by S.L. Crowell-Davis and K.A. Houp. Dec 1986. v. 2 (3). p. 591-607. ill. Includes references. (NAL Call No.: DNAL SF951.V47).

133

(ANIMAL ECOLOGY)

1323

Rest in poultry.

Blokhus, H.J. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. Apr 1984. v. 12 (3). p. 289-303. ill. Includes 37 references. (NAL Call No.: DNAL QL750.A6).

1324

Resting behaviour of Belgian White-Blue and Friesian fattening bulls in a tie-stall barn.

Nicks, B. Dechamps, P.; Canart, B.; Istasse, L. Amsterdam : Elsevier Science Publishers, B.V. Applied animal behaviour science. Nov 1988. v. 21 (3). p. 259-266. Includes references. (NAL Call No.: DNAL QL750.A6).

1325

Resting behaviour of Friesian bulls maintained in a tie-stall barn under two patterns of lighting.

Nicks, B. Dechamps, P.; Canart, B.; Istasse, L. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. May 1988. v. 19 (3/4). p. 321-329. Includes references. (NAL Call No.: DNAL QL750.A6).

1326

Restraint.

Caudle, A.B. Pugh, D.G. Philadelphia : W.B. Saunders. The Veterinary clinics of North America : equine practice. In the series analytic: Behavior / edited by S.L. Crowell-Davis and K.A. Houpt. Dec 1986. v. 2 (3). p. 645-651. Includes references. (NAL Call No.: DNAL SF951.V47).

1327

Restricted feeding time and the behaviour of caged laying hens.

BPOSA. Preston, A.P. Oxfordshire : Carfax Publishing Company. British poultry science. Sept 1987. v. 28 (3). p. 387-396. Includes references. (NAL Call No.: DNAL 47.8 B77).

1328

Results of a methodical approach with regard to external lesions of sows as an indicator of animal well-being (Pathological severity). Koning, R. deCTVSD. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1983. Paper presented at the Seminar on Indicators Relevant to Farm Animal Welfare, Mariensee, 9-10 November 1982. v. 23. p. 155-162. ill. Includes references. (NAL Call No.: SF600.C82).

1329

Results of research projects into flooring preferences of cattle.

Irps, H. CTVSD. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1983. Paper presented at the Seminar on Farm Animal Housing and Welfare, Aberdeen, July 28-30, 1982. v. 24. p. 200-215. ill. Includes references. (NAL Call No.: SF600.C82).

1330

Reversibility revisited: stimulus-dependent stability of filial preference in the chick. ANBEA. Bolhuis, J.J. Trooster, W.J. London : Bailliere Tindall. Abstract: The reversibility of filial preferences was studied in domestic chicks, *Gallus gallus domesticus*, using an artificial as well as a more naturalistic imprinting stimulus. Day-old chicks were exposed for 2 h to either a rotating stuffed jungle fowl or a rotating red box. Two hours later their preferences were tested in a simultaneous choice test (test I), involving the box and the fowl. The next day, the chicks were trained and tested (test II) as before, except box-trained chicks were now exposed to the fowl and vice versa. In three different experimental groups, the relative attractiveness of the two stimuli (as measured in test I) was varied by altering the light intensity of the red box. In the chicks trained with the box and subsequently exposed to the fowl, there was a significant decrease in mean preference for the box from test I to test II. In contrast, the preferences of the chicks trained with the stuffed fowl were not affected by subsequent exposure to the red box. This differential reversibility was also found when, in test I, the preference for the box was significantly higher than the preference for the fowl. These results support a model of the formation of filial preference as an interaction between acquired preference and a developing predisposition for a particular class of stimuli. Animal behaviour. June 1988. v. 36 (3). p. 669-674. Includes references. (NAL Call No.: DNAL 410 B77).

1331

A review of historically significant publications from German speaking countries concerning the behaviour of domestic farm animals.

Sambraus, H.H. Amsterdam, Elsevier. Applied animal ethology. Jan 1979. v. 5 (1). p. 5-13. 22 ref. (NAL Call No.: QL750.A6).

134

(ANIMAL ECOLOGY)

1332

A review of periparturient behavior in swine. CNJNA. Hurnik, J.F. Ottawa : Agricultural Institute of Canada. Canadian journal of animal science. Literature review. Dec 1985. v. 65 (4). p. 777-788. Includes references. (NAL Call No.: DNAL 41.8 C163).

1333

A review of some behavioural and physiological studies which are relevant to the welfare of young calves.

Stephens, D.B. CTVSD. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1982. v. 19. p. 47-69. 4 p. ref. (NAL Call No.: SF600.C82).

1334

Review of some research areas of applied and theoretical interest in domestic animal behavior (Cats, swine, horses).

Houpt, K.A. Amsterdam : Elsevier. Applied animal ethology. Apr 1980. Literature review. v. 6 (2). p. 111-119. ill. 24 ref. (NAL Call No.: QL750.A6).

1335

A review of the factors influencing the aggressive and agonistic behaviour of the domestic pig.

AAAHA. Petherick, J.C. Blackshaw, J.K. Melbourne : Commonwealth Scientific and Industrial Research Organization. Australian journal of experimental agriculture. 1987. v. 27 (5). p. 605-611. Includes references. (NAL Call No.: DNAL 23 AU792).

1336

A review of the mechanisms controlling neonatal sucking behaviour and their possible implications in the aetiology of a variety of behavioural disorders seen in later life.

VEANA. Stephens, D.B. Bristol : IOP Publishing Limited. The Veterinary annual. Literature review. 1987. v. 27. p. 63-70. Includes references. (NAL Call No.: DNAL 41.8 V6456).

1337

Role of applied ethology in international work on farm animal welfare.

Simonsen, H.B. London, British Veterinary Association. The Veterinary record. Oct 9, 1982. v. 111 (15). p. 341-342. 6 ref. (NAL Call No.: 41.8 V641).

1338

Role of auditory and visual cues in mutual recognition between ewes and lambs in Merino sheep.

Alexander, G. Amsterdam : Elsevier North-Holland. Developments in animal and veterinary sciences. 1985. v. 18. p. 321-337. Includes 15 references. (NAL Call No.: DNAL QL1.D48).

1339

The role of behavior in poultry production: a review of research (Group structure, sexual behavior, dietary habits and general adaptation).

Siegel, P.B. Amsterdam : Elsevier. Applied animal ethology. Feb 1984. v. 11 (4). p. 299-316. Includes references. (NAL Call No.: QL750.A6).

1340

The role of behavior in sheep production: a review of research.

Gonyou, H.W. Amsterdam : Elsevier. Applied animal ethology. Feb 1984. Literature review. v. 11 (4). p. 341-358. Includes references. (NAL Call No.: QL750.A6).

1341

The role of behavior in swine production: a review of research.

Fraser, D. Amsterdam : Elsevier. Applied animal ethology. Feb 1984. Literature review. v. 11 (4). p. 317-339. Includes references. (NAL Call No.: QL750.A6).

1342

The role of human-animal bonds in farm animals and welfare issues.

Kilgour, R. Minneapolis, Minn. : Cent to Study Human-Animal Relat and Environ, Univ of Minnesota, 1984. The Pet connection : its influence on our health and quality of life / editors, Robert K. Anderson, Benjamin L. Hart, Lynette A. Hart. Paper presented at Proceedings of "Conference on the Human-Animal Bond," June 13-14, 1983, University of Minnesota, and June 17-18, 1983, University of California-Irvine.~ Literature review. p. 58-74. Includes references. (NAL Call No.: DNAL SF411.5.P47).

1343

Role of seasonal changes in breeding behaviour of crossbred and Hariana type cows under farm conditions.

Daspurakayastha, P.C. Bangalore, T.A. Gaffar. Livestock adviser. Jan 1981. v. 6 (1). p. 29-37. 5 ref. (NAL Call No.: SF1.L53).

135

(ANIMAL ECOLOGY)

1344

Roles of the olfactory and vomeronasal systems in behavior.

Hart, B.L. Philadelphia, Pa. : W.B. Saunders Company. The Veterinary clinic of North America : food animal practice. In the series analytic: Farm animal behavior / edited by E.O. Price.~ Literature review. July 1987. v. 3 (2). p. 463-475. ill. Includes references. (NAL Call No.: DNAL SF601.V535).

Call No.: 49 N62).

1345

Safe handling of farm animals (Animal behavior, precautions, accident prevention, Wisconsin animal-related injury statistics).

Antoniewicz, R.J. Bristol, R.F.; Howard, W.T.; Jensen, D.V.; Leibbrandt, V.D.; Vatthauer, R.J. Madison : The Programs. Publication - Cooperative Extension Programs. University of Wisconsin - Extension. Oct 1981. Oct 1981. (A3149). 8 p. ill. Includes references. (NAL Call No.: S544.3.W6W53).

1350

Selection of bedded and unbedded areas by pigs in relation to environmental temperature and behaviour.

Fraser, D. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. July 1985. v. 14 (2). p. 117-126. Includes 18 references. (NAL Call No.: DNAL QL750.A6).

1346

Salivary pheromones in the pig and human in relation to sexual status and age.

Gower, D.B. Booth, W.D. Berlin W. Ger. : Springer-Verlag, c1986. Ontogeny of olfaction : principles of olfactory maturation in vertebrates / edited by W. Breipohl and R. Apfelbach. p. 255-264. ill. Includes references. (NAL Call No.: DNAL QP458.058).

1351

Selection of perforated floors by newborn and weanling pigs (Behavior, preference).

Farmer, C.CNJNA. Christison, G.I. Ottawa : Agricultural Institute of Canada. Canadian journal of animal science. Dec 1982. v. 62 (4). p. 1229-1236. 2 p. ref. (NAL Call No.: 41.8 C163).

1347

Sampling strategies for clustered behavioural elements of short duration.

Jansen, J. Hoekstra, J.A. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. May 1988. v. 19 (3/4). p. 315-319. Includes references. (NAL Call No.: DNAL QL750.A6).

1352

Selective habituation of defensive behavior: evidence for predator-prey synchrony (White Leghorn chicks).

Rovee-Collier, C. Capatides, J.B.; Fagen, J.W.; Negri, V. Austin : Psychonomic Society. Animal learning & behavior. Feb 1983. Literature review. v. 11 (1). p. 127-133. ill. Includes references. (NAL Call No.: QL785.A725).

1348

Seagulls and the farmer (Behavior similar to farm animals).

Hoy, A. Wyoming, Rhode Island : Bio-Dynamic Farming and Gardening Association. Bio-dynamics. Spring 1984. Spring 1984. (150). p. 18-22. ill. (NAL Call No.: 56.8 B52).

1353

A self-directed aggression: a stallion behavior problem (Horses, vices).

Houpt, K.A. Santa Barbara : Veterinary Practice Pub. Co. Equine practice. Feb 1983. v. 5 (2). p. 6-8. ill. Includes references. (NAL Call No.: SF951.E62).

1349

Seasonal changes in the home range and the size of harem groups of Misaki horses (Pasture grazing, behavior, Japan).

Kaseda, Y.NICKA. Tokyo : Nihon Chikusan Gakkai. Nihon Chikusan Gakkai ho = Japanese journal of zootechnical science. Apr 1983. v. 54 (4). p. 254-262. ill., maps. Includes references. (NAL

1354

Self-grooming by mares and foals of the Welsh pony (*Equus caballus*).

Crowell-Davis, S.L. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. June 1987. v. 17 (3/4). p. 197-208. ill. Includes references. (NAL Call No.: DNAL QL750.A6).

1355

Separation and independence of offsprings from the harem groups in Misaki horses.

NICKA3. Kaseda, Y. Nozawa, K.; Mogi, K. Tokyo : Nihon Chikusan Gakkai. Nihon Chikusan Gakkai ho = Japanese journal of zootechnical science. Nov 1984. v. 55 (11). p. 852-857. Includes 12 references. (NAL Call No.: DNAL 49 N62).

(ANIMAL ECOLOGY)

1356

Separation of ewes from twin lambs: incidence in several sheep breeds.

Alexander, G. Stevens, D.; Kilgour, R.; De Langen, H.; Mottershead, B.E.; Lynch, J.J. Amsterdam : Elsevier North-Holland. Developments in animal and veterinary sciences. 1985. v. 18. p. 125-141. Includes 21 references. (NAL Call No.: DNAL QL1.D48).

1357

Separation of ewes from twin lambs: incidence in several sheep breeds (Behavior, New South Wales, New Zealand).

Alexander, G. Stevens, D.; Kilgour, R.; De Langen, H.; Mottershead, B.E.; Lynch, J.J. Amsterdam : Elsevier. Applied animal ethology. July 1983. v. 10 (4). p. 301-317. ill. Includes references. (NAL Call No.: QL750.A6).

1358

The sequential analysis of aggressive acts during hierarchy formation: an application of the 'jigsaw puzzle' approach.

ANBEA. Chase, I.D. London : Bailliere Tindall. Animal behaviour. Feb 1985. v. 33 (pt.1). p. 86-100. Includes references. (NAL Call No.: DNAL 410 B77).

1359

Sexual behavior in male feedlot cattle.

Gonyou, H.W. Santa Barbara, Calif. : Veterinary Practice Publishing Company. Agri-Practice. Nov/Dec 1986. v. 7 (6). p. 30-32. Includes references. (NAL Call No.: DNAL SF601.B6).

1360

Sexual behavior of dwarf and normal genotypes in divergent growth lines of chickens.

Blohowiak, C.C. Siegel, P.B.; Van Krey, H.P. Amsterdam, Elsevier. Applied animal ethology. Apr 1980. v. 6 (2). p. 189-201. ill. 28 ref. (NAL Call No.: QL750.A6).

1361

Sexual behavior of female domestic mammals.

Hurnik, J.F. Philadelphia, Pa. : W.B. Saunders Company. The Veterinary clinic of North America : food animal practice. In the series analytic: Farm animal behavior / edited by E.O. Price. Literature review. July 1987. v. 3 (2). p. 423-461. ill. Includes references. (NAL Call No.: DNAL SF601.V535).

1362

Sexual behavior of gilts.

JANSAG. Hemsworth, P.H. Champaign, Ill. : American Society of Animal Science. Journal of animal science. Paper presented at the "XVI Biennial Symposium on Animal Reproduction," July 26, 1983, Pullman, Washington. ~ Literature review. 1985. v. 61 (suppl.3). p. 75-85. Includes references. (NAL Call No.: DNAL 49 J82).

1363

Sexual behaviour and endocrine changes during reproductive maturation and aging in the avian male (Japanese quail and domestic chicken).

Ottinger, M.A. Berlin (West Germany) : Springer-Verlag, 1983. Hormones and behaviour in higher vertebrates / edited by J. Balthazart, E. Prove, and R. Gilles. p. 350-367. ill. Includes references. (NAL Call No.: QP571.H658).

1364

Sexual behaviour and semen quality of exotic rams (Rambouillet and Soviet Merino) as influenced by age under semi-arid conditions (Rajasthan, India).

Tiwari, S.B. IVEJA. Kalra, D.B. Madras : Indian Veterinary Association. Indian veterinary journal. Dec 1982. v. 59 (12). p. 992-994. 6 ref. (NAL Call No.: 41.8 IN2).

1365

Sexual behaviour in male farm animals.

CTVSD. Kilgour, R.J. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. Paper presented at the "Seminar on the Male in Farm Animal Reproduction," October 6-7, 1983, Nouzilly, France. ~ Literature review. 1984. v. 30. p. 108-134. Includes references. (NAL Call No.: DNAL SF600.C82).

1366

Sexual performance of rams reared with or without females after weaning.

JANSAG. Katz, L.S. Price, E.O.; Wallach, S.J.R.; Zenchak, J.J. Champaign, Ill. : American Society of Animal Science. Journal of animal science. May 1988. v. 66 (5). p. 1166-1173. Includes references. (NAL Call No.: DNAL 49 J82).

(ANIMAL ECOLOGY)

1367

Shading behaviour of sheep: preliminary studies of its relation to thermoregulation, feed and water intakes, and metabolic rates.
AJAEAA. Johnson, K.G. Melbourne : Commonwealth Scientific and Industrial Research Organization. Australian journal of agricultural research. 1987. v. 38 (3). p. 587-596. Includes references. (NAL Call No.: DNAL 23 AU783).

1368

Sheep behavior: a tool for creating target lambs (Coyote control, predators).
Gluesing, E.A. Moscow, Idaho : Forest, Wildlife & Range Experiment Station, University of Idaho, 1982. Proceedings of the Wildlife-Livestock Relationships Symposium : held at Coeur d'Alene, Idaho, April 20-22, 1981 / sponsored by Department of Wildlife Resources, University of Idaho ; (James M. Peek, P.D. Dalke, editors). p. 327-331. 12 ref. (NAL Call No.: SF84.84.W5 1981).

1369

Sheepmen & their dogs: socialising a pup (Sheep dogs, aggression, behavior, biting, training).
Dalton, D.C.NZFAA. Kilgour, R. Auckland : New Zealand Newspapers. The New Zealand farmer. Dec 9, 1982. v. 103 (24). p. 87-88. illl. (NAL Call No.: 23 N484).

1370

Shelter for stock protection on farms.
Marshall, J.K. Western Australia? : Australian Society of Animal Production, W.A. Branch?, 1982? . Proceedings of a seminar on losses of sheep after shearing due to adverse weather : Darkan, Western Australia, July 1982 / editors, S.K. Baker, H.M. Chapman, I.H. Williams. p. 20-22. Includes references. (NAL Call No.: DNAL SF379.P72).

1371

Sheltering behaviour and lamb mortality amongst shorn Merino ewes lambing in paddocks with a restricted area of shelter or no shelter.
Lynch, J.J. Mottershead, B.E.; Alexander, G. Amsterdam, Elsevier. Applied animal ethology. Apr 1980. v. 6 (2). p. 163-174. illl. 11 ref. (NAL Call No.: QL750.A6).

1372

Sheltering behaviour of shorn and unshorn sheep in mixed or separate flocks (New South Wales, Australia).
Mottershead, B.E. Alexander, G.; Lynch, J.J. Amsterdam, Elsevier. Applied animal ethology. Jan 1982. v. 8 (1/2). p. 127-136. illl. Includes 4 ref. (NAL Call No.: QL750.A6).

1373

Short-term feather maintenance as a function of dust-bathing in laying hens.
Liere, D.W. van. Bokma, S. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. Aug 1987. v. 18 (2). p. 197-204. illl. Includes references. (NAL Call No.: DNAL QL750.A6).

1374

Signals, conditioned directed movements, and species-typical response predispositions in nonmammalian vertebrates.
Hearst, E. Berlin W. Ger. : Springer-Verlag, c1984. The biology of learning : report of the Dahlem Workshop on the Biology of Learning, Berlin, 1983, October 23-28 / P. Marler and H.S. Terrace, editors. p. 341-355. Includes 35 references. (NAL Call No.: DNAL QL785.D32 1984).

1375

Silage and milk production: a comparison between grass silages of different chop lengths and digestibilities (Feeding experiment with lactating cows and an eating-behavior study with non-lactating cows).
Castle, M.E. Gill, M.S.; Watson, J.N. Oxford, Blackwell Scientific Publications. Grass and forage science. Mar 1981. v. 36 (1). p. 31-37. 11 ref. (NAL Call No.: 60.19 B773).

1376

Site and extent of neutral detergent fiber digestion, efficiency of ruminal digesta flux and fecal output as related to variations in voluntary intake and chewing behavior in heifers.
JANSAG. Deswysen, A.G. Ellis, W.C. Champaign, Ill. : American Society of Animal Science. Journal of animal science. Oct 1988. v. 66 (10). p. 2678-2686. Includes references. (NAL Call No.: DNAL 49 J82).

138

(ANIMAL ECOLOGY)

1377

The situation of behaviour genetics in farm animals.

Bessei, W. Darmstadt : Kuratorium fur Technik und Bauwesen in der Landwirtschaft, 1984? . Proceedings of the International Congress on Applied Ethology in Farm Animals, Kiel, 1984 / edited by J. Unshelm, G. van Putten and K. Zeeb ; sponsored by the Federal Ministry of Food, Agriculture and Forestry. Literature review. p. 33-39. Includes references. (NAL Call No.: DNAL SF756.7.I5 1984).

1378

The sleep-waking pattern and behavior of pigs kept in different husbandry systems (Slatted floor types).

Ladewig, J. CTVSD. Ellendorff, F. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1983. Paper presented at the Seminar on Indicators Relevant to Farm Animal Welfare, Mariensee, 9-10 November 1982. v. 23. p. 55-60. Includes references. (NAL Call No.: SF600.C82).

1379

Social and feeding behaviour of dairy cows at computerized feeders related to physiological and productive traits.

Carenzi, C. Verga, M.; Galfiati, F.; Canali, E.; Smadelli, E. Darmstadt : Kuratorium fur Technik und Bauwesen in der Landwirtschaft, 1984? . Proceedings of the International Congress on Applied Ethology in Farm Animals, Kiel, 1984 / edited by J. Unshelm, G. van Putten and K. Zeeb ; sponsored by the Federal Ministry of Food, Agriculture and Forestry. p. 126-130. illl. Includes references. (NAL Call No.: DNAL SF756.7.I5 1984).

1380

Social and illumination preferences of mares.

JANSAG. Houpt, K.A. Houpt, T.R. Champaign, Illl : American Society of Animal Science. Journal of animal science. Sept 1988. v. 66 (9). p. 2159-2164. illl. Includes references. (NAL Call No.: DNAL 49 J82).

1381

Social and space requirements for hens in battery cages.

Zayan, R. CTVSD. Doyen, J.; Duncan, L.J.H. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1983. Paper presented at the Seminar on Farm Animal Housing and Welfare, Aberdeen, July 28-30, 1982. v. 24. p. 67-90. Includes references. (NAL Call No.: SF600.C82).

1382

Social and spatial organization of male behaviour in mated domestic fowl (Australorp fowl, dominance).

Pamment, P. Foenander, F.; McBride, G. Amsterdam : Elsevier. Applied animal ethology. Jan 1983. v. 9 (3/4). p. 341-349. illl. Includes references. (NAL Call No.: QL750.A6).

1383

Social behaviour and adrenal cortical activity in heifers (Nigeria).

Adeyemo, O. Heath, E. Amsterdam, Elsevier. Applied animal ethology. Jan 1982. v. 8 (1/2). p. 99-108. Includes 1 p. ref. (NAL Call No.: QL750.A6).

1384

Social behaviour and relationships in a herd of Camargue horses.

Wells, S.M. Goldschmidt-Rothschild, B. von. Berlin, Paul Parey. Zeitschrift fur Tierpsychologie. Apr 1979. v. 49 (4). p. 363-380. illl. Bibliography p. 380. (NAL Call No.: 410 Z35).

1385

Social behaviour in pigs studied by means of operant conditioning.

Baldwin, B.A.L. Meese, G.B. London, Bailliere Tindall. Animal behaviour. Aug 1979. v. 27 (3). p. 947-957. illl. 27 ref. (NAL Call No.: 410 B77).

1386

The social behaviour of dairy cows: some differences between pasture and cubicle system.

Wierenga, H.K. Darmstadt : Kuratorium fur Technik und Bauwesen in der Landwirtschaft, 1984? . Proceedings of the International Congress on Applied Ethology in Farm Animals, Kiel, 1984 / edited by J. Unshelm, G. van Putten and K. Zeeb ; sponsored by the Federal Ministry of Food, Agriculture and Forestry. p. 135-138. Includes references. (NAL Call No.: DNAL SF756.7.I5 1984).

1387

Social behaviour of farm animals as it related to parturition and mating (Cattle, sheep, swine).

Kilgour, R. Clovis, Calif., Agriservices Foundation. Dairy science handbook. 1981. v. 14. p. 306-314. illl. 12 ref. (NAL Call No.: SF221.D335).

(ANIMAL ECOLOGY)

1388

Social behaviour of farm animals as it relates to parturition and mating.
Kilgour, R. Clovis, Calif., Agriservices Foundation. Beef cattle science handbook. 1981. v. 18. p. 154-162. ill., maps. (NAL Call No.: SF207.B4).

1389

Social behaviour of farm animals as it relates to parturition and mating.
Kilgour, R. Clovis, Calif., Agriservices Foundation. Stud managers' handbook. 1981. v. 17. p. 204-212. ill. 12 ref. (NAL Call No.: SF277.S78).

1390

Social behaviour of the calves of semi-wild Maremma cattle, *Bos primigenius taurus*.
Vitale, A.F. Tenucci, M.; Papini, M.; Lovari, S. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. Nov 1986. v. 16 (3). p. 217-231. ill. Includes references. (NAL Call No.: DNAL QL750.A6).

1391

The social behaviour of the fowl.
Thanikachalam, M. Shanmugasundaram, S. New Delhi, C. P. Narang. Poultry guide. Dec 1980. v. 17 (12). p. 41-42. (NAL Call No.: SF481.P64).

1392

Social behaviour of young partially-castrated bulls and steers related to their management.
Hinch, G.N. Melbourne, The Society. Proceedings. Australian Society of Animal Production. Feb 1978. v. 12. p. 265. ill. 2 ref. (NAL Call No.: 49.9 AU72).

1393

Social development in birds and mammals.
Collias, N.E. New York : Hafner Pub. Co., 1968 i.e. 1969 c1962. Roots of behavior : genetics, instinct, and socialization in animal behavior / by thirty-one authors; edited by Eugene L. Bliss. p. 264-273. ill. Includes references. (NAL Call No.: DNAL QL751.R69).

1394

Social dominance in range cows and its effect on supplemental feeding /Kenneth A. Wagoner. Wagoner, Kenneth A. 1907-. Berkeley, Calif. : Agricultural Experiment Station, 1965. "November 1965.". 31 1 p. : ill., 1 map ; 23 cm. Bibliography: p. 32 . (NAL Call No.: DNAL 100 C12S no.819).

1395

Social dominance relationships and spacing behavior of swine.
McCort, W.D. Graves, H.B. Amsterdam, Netherlands, Elsevier. Behavioural processes. June 1982. v. 7 (2). p. 169-178. ill. 2 p. ref. (NAL Call No.: QL750.B4).

1396

Social facilitation in the feeding behaviour of pigs and the effect of rank.
Hsia, L.C. Wood-Gush, D.G.M. Amsterdam : Elsevier. Applied animal ethology. Jan 1984. v. 11 (3). p. 265-270. Includes references. (NAL Call No.: QL750.A6).

1397

Social facilitation of feeding and time budgets in stabled ponies.
JANSAG. Sweeting, M.P. Houpt, C.E.; Houpt, K.A. Champaign, Ill. : American Society of Animal Science. Journal of animal science. Feb 1985. v. 60 (2). p. 369-374. Includes references. (NAL Call No.: DNAL 49 J82).

1398

Social hierarchy and feeder access in a group of 20 sows using a computer-controlled feeder.
ANIPA. Hunter, E.J. Broom, D.M.; Edwards, S.A.; Sibyl, R.M. S.I. : Durrant. Animal production. Aug 1988. v. 47 (pt.1). p. 139-148. Includes references. (NAL Call No.: DNAL 49 AN55).

1399

Social interactions amongst beef cows when competing for food (Aggressiveness, behavior, dominance).
Arnold, G.W. Grassia, A. Amsterdam : Elsevier. Applied animal ethology. Jan 1983. v. 9 (3/4). p. 239-252. ill. Includes references. (NAL Call No.: QL750.A6).

140

(ANIMAL ECOLOGY)

1400

Social interactions and induced behavioural reactions in milk-fed female calves.
Canali, E. Verga, M.; Montagna, M.; Baldi, A. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. Nov 1986. v. 16 (3). p. 207-215. Includes references. (NAL Call No.: DNAL QL750.A6).

1401

The social interactions of young bulls and steers after re-grouping.
Tennessen, T. Price, M.A.; Berg, R.T. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. May 1985. v. 14 (1). p. 37-47. Includes 24 references. (NAL Call No.: DNAL QL750.A6).

1402

Social licking pattern and its relationships to social dominance and live weight gain in weaned calves (Behavior, psychological stability).
Sato, S. Amsterdam : Elsevier. Applied animal behaviour science. Mar 1984. v. 12 (1/2). p. 25-32. ill. Includes references. (NAL Call No.: QL750.A6).

1403

Social organization.
Stricklin, W.R. Mench, J.A. Philadelphia, Pa. : W.B. Saunders Company. The Veterinary clinic of North America : food animal practice. In the series analytic: Farm animal behavior / edited by E.O. Price.~ Literature review. July 1987. v. 3 (2). p. 307-322. Includes references. (NAL Call No.: DNAL SF601.V535).

1404

Social organization in caged layers: the peck order revisited.
POSCAL. O'Keefe, T.R. Graves, H.B.; Siegel, H.S. Champaign, Ill. : Poultry Science Association. Poultry science. July 1988. v. 67 (7). p. 1008-1014. Includes references. (NAL Call No.: DNAL 47.8 AM33P).

1405

Social reinstatement and open-field testing in chickens (Behavior).
Suarez, S.D. Gallup, G.G. Jr. Austin : Psychonomic Society. Animal learning & behavior. Feb 1983. Literature review. v. 11 (1). p. 119-126. ill. Includes references. (NAL Call No.: QL785.A725).

1406

Social relationships between horses and its influence on feeding activity in loose housing.
Kolter, L. Darmstadt : Kuratorium fur Technik und Bauwesen in der Landwirtschaft; 1984? . Proceedings of the International Congress on Applied Ethology in Farm Animals, Kiel, 1984 / edited by J. Unshelm, G. van Putten and K. Zeeb ; sponsored by the Federal Ministry of Food, Agriculture and Forestry. p. 151-155. Includes references. (NAL Call No.: DNAL SF756.7.I5 1984).

1407

Social relationships in a herd of 11 geldings and two female ponies.
EQVJA. Wood-Gush, D.G.M. Galbraith, F. London : British Equine Veterinary Association. Equine veterinary journal. Mar 1987. v. 19 (2). p. 129-132. Includes references. (NAL Call No.: DNAL SF955.E6).

1408

Social relationships of piglets in a semi-natural environment.
ANBEA. Newberry, R.C. Wood-Gush, D.G.M. London : Bailliere Tindall. Animal behaviour. Oct 1986. v. 34 (pt.5). p. 1311-1318. Includes references. (NAL Call No.: DNAL 410 B77).

1409

"Social sleeping" among confined horses.
Glade, M.J. Lake Elsinore, Calif. : William E. Jones, DVM. Journal of equine veterinary science. 1986. v. 6 (3). p. 156-157. (NAL Call No.: DNAL SF951.J65).

1410

Social sleeping behavior in young horses.
Glade, M.J. Santa Barbara, Calif. : Veterinary Practice Pub. Co. Equine practice. May 1984. v. 6 (5). p. 10-11, 13-14. Includes references. (NAL Call No.: SF951.E62).

1411

Social space in small groups of laying hens.
CTVSD. Faure, J.M. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. Paper presented at the "Seminar on the Social Space for Domestic Animals," January 10-11, 1985, Brussels. 1985. v. 35. p. 99-109. Includes references. (NAL Call No.: DNAL SF600.C82).

(ANIMAL ECOLOGY)

1412

Social space requirements of pigs.
CTVSD. Baxter, M. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. Paper presented at the "Seminar on the Social Space for Domestic Animals," January 10-11, 1985, Brussels. ~ Literature review. 1985. v. 35. p. 116-127. ill. Includes references. (NAL Call No.: DNAL SF600.C82).

1413

Social structure.
Keiper, R.R. Philadelphia : W.B. Saunders. The Veterinary clinics of North America : equine practice. In the series analytic: Behavior / edited by S.L. Crowell-Davis and K.A. Houpt. ~ Literature review. Dec 1986. v. 2 (3). p. 465-484. ill. Includes references. (NAL Call No.: DNAL SF951.V47).

1414

Social structure: family bands and dominance.
Crowell-Davis, S.L. Santa Barbara, Calif. : Veterinary Practice Pub. Co. Equine practice. Oct 1986. v. 8 (9). p. 26-28. ill. Includes references. (NAL Call No.: DNAL SF951.E62).

1415

Social, territorial and feeding behaviour in Friesian and Ottonese cows at pasture.
Carenzi, C. Montagna, M.; Canali, E.; Verga, M.; Stefanini, L.; Fochi, C. Darmstadt : Kuratorium fur Technik und Bauwesen in der Landwirtschaft, 1984? . Proceedings of the International Congress on Applied Ethology in Farm Animals, Kiel, 1984 / edited by J. Unshelm, G. van Putten and K. Zeeb ; sponsored by the Federal Ministry of Food, Agriculture and Forestry. p. 370-374. ill. Includes references. (NAL Call No.: DNAL SF756.7.I5 1984).

1416

Socially facilitated drinking behavior in chicks (*Gallus domesticus*): relative effects of drive and stimulus mechanisms.
ALBVA. Franchina, J.J. Dyer, A.B.; Zaccaro, S.J.; Schulman, A.H. Austin, Tex. : Psychonomic Society. Animal learning & behavior. May 1986. v. 14 (2). p. 218-222. Includes references. (NAL Call No.: DNAL QL785.A725).

1417

Sociosexual behavior and the ovulatory cycle of ponies (*Equus caballus*) observed in harem groups.
Asa, C.S. Goldfoot, D.A.; Ginther, O.J. New York, Academic Press. Hormones and behavior. Aug 1979. v. 13 (1). p. 49-65. Bibliography p. 65. (NAL Call No.: QP801.H7H64).

1418

Sociosexual behavior in the domestic pony.
Asa, C.S. Laramie? : The University?, between 1980 and 1982. Symposium on the Ecology and Behavior of Wild and Feral Equids : University of Wyoming, Laramie, September 6-8, 1979. p. 59-70. Includes references. (NAL Call No.: DNAL SF360.3.A8S9 1979).

1419

Some considerations regarding optimum environmental conditions for laying hens in cage management.

Petersen, J. CTVSD. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1980. Paper presented at the Seminar in the EEC Programme of Coordination of Research on Animal Welfare, Luxembourg, March 11-13, 1980. v. 8. p. 43-64. Includes references. (NAL Call No.: SF600.C82).

1420

Some effects of maternal deprivation on maintenance behavior, spatial relationships and responses to environmental novelty in foals (Shetland-type ponies).

Houpt, K.A. Hintz, H.F. Amsterdam : Elsevier. Applied animal ethology. Jan 1983. v. 9 (3/4). p. 221-230. ill. Includes references. (NAL Call No.: QL750.A6).

1421

Some effects of pasture management on the grazing behaviour of sheep.

Penning, P.D. Darmstadt : Kuratorium fur Technik und Bauwesen in der Landwirtschaft, 1984? . Proceedings of the International Congress on Applied Ethology in Farm Animals, Kiel, 1984 / edited by J. Unshelm, G. van Putten and K. Zeeb ; sponsored by the Federal Ministry of Food, Agriculture and Forestry. p. 236-238. Includes references. (NAL Call No.: DNAL SF756.7.I5 1984).

(ANIMAL ECOLOGY)

1422

Some effects of social deprivation on behavioral development of lambs.

Zito, C.A. Wilson, L.L.; Graves, H.B. Amsterdam : Elsevier North-Holland. Developments in animal and veterinary sciences. 1985. v. 18. p. 357-367. Includes 14 references. (NAL Call No.: DNAL QL1.D48).

1423

Some effects of sward conditions on grazing behaviour and intake by sheep.

NASSD. Penning, P.D. New York, N.Y. : Plenum Press. NATO advanced science institutes series : Series A : Life sciences. In the series analytic: Grazing research at northern latitudes / edited by O. Gudmundsson. Paper presented at a Workshop, August 5-10, 1985, Hvannayri, Iceland. 1986. v. 108. p. 219-226. Includes references. (NAL Call No.: DNAL QH301.N32).

1424

Some factors affecting the grazing behaviour of sheep in winter in New South Wales (Australia). Arnold, G.W. Amsterdam, Elsevier. Applied animal ethology. Jan 1982. v. 8 (1/2). p. 119-125. ill. Includes 4 ref. (NAL Call No.: QL750.A6).

1425

Some factors influencing spacing in domestic fowl in a semi-natural environment.

CTVSD. Keeling, L.J. Duncan, I.J.H. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. Paper presented at the "Seminar on the Social Space for Domestic Animals," January 10-11, 1985, Brussels. 1985. v. 35. p. 27-36. Includes 1 references. (NAL Call No.: DNAL SF600.C82).

1426

Some implications of the welfare codes for designers and users of pig buildings.

Summers, D. Aberdeen : Scottish Farm Buildings Investigation Unit. Farm building progress. Apr 1984. Apr 1984. (76). p. 11-13. Includes references. (NAL Call No.: TH4911.F37).

1427

Some indicators of welfare of crated veal calves on three dietary iron regimens.

JANSAG. McFarlane, J.M. Morris, G.L.; Curtis, S.E.; Simon, J.; McGlone, J.J. Champaign, Ill. : American Society of Animal Science. Journal of animal science. Feb 1988. v. 66 (2). p. 317-325. Includes references. (NAL Call No.: DNAL 49 J82).

1428

Some observations on activities of a small group of confined ewes with single, twin, or triplet lambs.

Graves, H.B. Wilson, L.L.; Hess, C.E. Amsterdam : Elsevier North-Holland. Developments in animal and veterinary sciences. 1985. v. 18. p. 119-124. Includes 4 references. (NAL Call No.: DNAL QL1.D48).

1429

Some observations on mother-infant interactions in the pig (*Sus scrofa*) (Behavior).

Watson, T.S. Bertram, J.M. Amsterdam : Elsevier. Applied animal ethology. Jan 1983. v. 9 (3/4). p. 253-261. ill. Includes references. (NAL Call No.: QL750.A6).

1430

Some observations on the behaviour of dairy cattle using cow-activated out-of-parlour concentrate dispensers.

Little, W. Harrison, R.D. Cambridge : Cambridge University Press. Journal of dairy research. May 1984. v. 51 (2). p. 199-207. ill. Includes references. (NAL Call No.: 44.8 J823).

1431

Some observations on the development of feather-pecking in poultry (Behavior).

Blokhus, H.J. Arkes, J.G. Amsterdam : Elsevier. Applied animal behaviour science. Mar 1984. v. 12 (1/2). p. 145-157. ill. Includes references. (NAL Call No.: QL750.A6).

1432

Some observations on the role of behavior in poultry production and future research needs (Group structure, sexual behavior, dietary habits and general adaptation).

Mauldin, J.M. Graves, H.B. Amsterdam : Elsevier. Applied animal ethology. Feb 1984. Literature review. v. 11 (4). p. 391-399. Includes references. (NAL Call No.: QL750.A6).

1433

Some observations on the role of behavior in sheep production and future research needs (Applied ethology, sheep management systems).

Hulet, C.V. Bond, J. Amsterdam : Elsevier. Applied animal ethology. Feb 1984. v. 11 (4). p. 407-411. Includes references. (NAL Call No.: QL750.A6).

(ANIMAL ECOLOGY)

1434

Some observations on the role of behavior in swine production and future research needs. Hartsock, T.G. Curtis, S.E. Amsterdam : Elsevier. Applied animal ethology. Feb 1984. v. 11 (4). p. 401-405. Includes references. (NAL Call No.: QL750.A6).

1435

Some observations on the role of environment and genetics in behaviour of wild and domestic forms of *Sus scrofa* (European wild boars and domestic pigs). Robert, S. Dancosse, J.; Dallaire, A. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. June 1987. v. 17 (3/4). p. 253-262. Includes references. (NAL Call No.: DNAL QL750.A6).

1436

Some studies of comparative aspects of sexual behavior in ponies and donkeys. Clayton, H.M. Lindsay, F.E.F.; Forbes, A.C.; Hay, L.A. Amsterdam, Elsevier. Applied animal ethology. Apr 1981. v. 7 (2). p. 169-174. ill. 4 ref. (NAL Call No.: QL750.A6).

1437

Space requirements in poultry (Behavior, housing). Hughes, B.D. CTVSD. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1983. Paper presented at the Seminar on Farm Animal Housing and Welfare, Aberdeen, July 28-30, 1982. v. 24. p. 121-128. Includes references. (NAL Call No.: SF600.C82).

1438

Spacing behaviour of sheep in pens (Designing of sheep-holding pens). Hutson, G.D. Amsterdam : Elsevier. Applied animal behaviour science. Mar 1984. v. 12 (1/2). p. 111-119. ill. Includes references. (NAL Call No.: QL750.A6).

1439

Spacing patterns of laying hens kept at different densities in battery cages. CTVSD. Zayan, R. Doyen, J. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. Paper presented at the "Seminar on the Social Space for Domestic Animals," January 10-11, 1985, Brussels. 1985. v. 35. p. 37-70. Includes references. (NAL Call No.: DNAL SF600.C82).

1440

Spatial and social behavior of calves in reduced dry-lot space. NICKA3. Kondo, S. Maruguchi, H.; Nishino, S. Tokyo : Nihon Chikusan Gakkai. Nihon Chikusan Gakkai ho = Japanese journal of zootechnical science. Nov 1984. v. 55 (11). p. 885-891. ill. Includes 23 references. (NAL Call No.: DNAL 49 N62).

1441

Spatial memory of heifers in radial- and parallel-arm mazes.

PMWSA. Bailey, D.W. Rittenhouse, L.R.; Hart, R.H.; Richards, R.W. S.I. : The Society. Proceedings, annual meeting - Western Section, American Society of Animal Science. Presented at Annual Meeting, Western Section, American Society of Animal Science, July 29/31, 1987, Logan, Utah. 1987. v. 38. p. 7-10. Includes references. (NAL Call No.: DNAL 389.9 AM31).

1442

Spatial relations between mares and foals of the Welsh pony (*Equus caballus*).

ANBEA. Crowell-Davis, S.L. London : Bailliere Tindall. Animal behaviour. Aug 1986. v. 34 (pt.4). p. 1007-1015. ill. Includes references. (NAL Call No.: DNAL 410 B77).

1443

Spatial relationships between ewes and lambs. Arnold, G.W. Grassia, A. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. Sept 1985. v. 14 (3). p. 253-261. Includes 4 references. (NAL Call No.: DNAL QL750.A6).

1444

Spatial relationships between sheep, cattle and horse groups grazing together.

Arnold, G.W. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. Nov 1984. v. 13 (1/2). p. 7-17. ill. Includes references. (NAL Call No.: DNAL QL750.A6).

1445

Spatial relationships within a herd of young sterile bulls and steers (Behavior, herd stability, social dominance).

Hinch, G.N. Thwaites, C.J.; Lynch, J.J.; Pearson, A.J. Amsterdam, Elsevier. Applied animal ethology. Jan 1982. v. 8 (1/2). p. 27-44. ill. Includes 2 p. ref. (NAL Call No.: QL750.A6).

(ANIMAL ECOLOGY)

1446

Spatial requirements and lying behaviour of cows in loose housing systems.
Metz, J.H. Wierenga, H.K. Darmstadt : Kuratorium fur Technik und Bauwesen in der Landwirtschaft, 1984? . Proceedings of the International Congress on Applied Ethology in Farm Animals, Kiel, 1984 / edited by J. Unshelm, G. van Putten and K. Zeeb ; sponsored by the Federal Ministry of Food, Agriculture and Forestry. p. 179-183. illl. Includes references. (NAL Call No.: DNAL SF756.7.I5 1984).

1447

Species affinities in domestic sheep and goats (Behavior, socialization).
Price, E.O. Tomlinson, K.A. Berkeley, Division of Agricultural Sciences, University of California. California agriculture. Feb 1979. v. 33 (2). p. 4-6. illl. (NAL Call No.: 100 C12CAG).

1448

Species-specific behaviour patterns important for husbandry designs (Domestic sheep, goats, cattle, hens, pigs and horses).

Kilgour, R. Clovis, Calif., Agriservices Foundation. Dairy science handbook. 1981. v. 14. p. 298-305. illl. 14 ref. (NAL Call No.: SF221.D335).

1449

Species-specific behaviour patterns important for husbandry designs (Livestock, poultry).
Kilgour, R. Clovis, Calif.; Agriservices Foundation. Sheep & goat handbook. 1981. Papers presented at The International Stockmen's School, January 12-15, 1981, San Antonio, Texas. v. 2. p. 279-286. illl. 14 ref. (NAL Call No.: SF371.S43).

1450

Stable vices and trailer problems.

Houpt, K.A. Philadelphia : W.B. Saunders. The Veterinary clinics of North America : equine practice. In the series analytic: Behavior / edited by S.L. Crowell-Davis and K.A. Houpt. Dec 1986. v. 2 (3). p. 623-633. illl. Includes references. (NAL Call No.: DNAL SF951.V47).

1451

A statistical analysis of the structure of bleats from sheep of four different breeds (Communication, social behavior, England).
Walser, E.S. Walters, E.; Hague, P. Leiden, E.J. Brill. Behaviour. 1981. v. 77 (pt.1/2). p. 67-76. 9 ref. (NAL Call No.: 410 B393).

1452

A statistical analysis of vocal communication between ewes and lambs (Sheep behavior).
Walser, E.S. BEHAA. Walters, E.; Hague, P. Leiden : E.J. Brill. Behaviour. 1983. v. 85 (pt.1/2). p. 146-156. Includes references. (NAL Call No.: 410 B393).

1453

Status of farm animal behavioral research in North America.

Curtis, S.E. McGlone, J.J. Champaign, Ill., American Society of Animal Science. Journal of animal science. Feb 1982. Paper presented at the Symposium on the Role of Animal Behavior in Agriculture, Cornell Univ., Ithaca, N.Y., July, 1980. v. 54 (2). p. 450-455. Includes 14 ref. (NAL Call No.: 49 J82).

1454

Stereotype behaviour in sows and gilts housed in stalls, tethers, and groups.

Blackshaw, J.K. McVeigh, J.F. Boston : Martinus Nijhoff Publishers. Advances in animal welfare science. 1984 (pub. 1985). p. 163-174. Includes references. (NAL Call No.: DNAL HV4701.A34).

1455

Stereotypes as animal welfare indicators (Behavior).

Broom, D.M. CTVSD. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1983. Paper presented at the Seminar on Indicators Relevant to Farm Animal Welfare, Mariensee, 9-10 November 1982. v. 23. p. 81-87. Includes references. (NAL Call No.: SF600.C82).

1456

Stereotypes in horses (Behavior).

Kiley-Worthington, M. Santa Barbara : Veterinary Practice Pub. Co. Equine practice. Jan 1983. v. 5 (1). p. 34-40. illl. (NAL Call No.: SF951.E62).

1457

Stereotypies, aggression and the feeding schedules of tethered sows.

Rushen, J.P. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. July 1985. v. 14 (2). p. 137-147. Includes 21 references. (NAL Call No.: DNAL QL750.A6).

(ANIMAL ECOLOGY)

1458

Stereotypies and endorphins: functional significance of developing stereotypies in tethered sows.
Wiepkema, P.R. Cronin, G.M.; Ree, J.M. van. Darmstadt : Kuratorium fur Technik und Bauwesen in der Landwirtschaft, 1984? . Proceedings of the International Congress on Applied Ethology in Farm Animals, Kiel, 1984 / edited by J. Unshelm, G. van Putten and K. Zeeb ; sponsored by the Federal Ministry of Food, Agriculture and Forestry. p. 93-96. Includes references. (NAL Call No.: DNAL SF756.7.I5 1984).

1459

Stereotypies and their development in caged layers.
Norgaard-Nielsen, G. Darmstadt : Kuratorium fur Technik und Bauwesen in der Landwirtschaft, 1984? . Proceedings of the International Congress on Applied Ethology in Farm Animals, Kiel, 1984 / edited by J. Unshelm, G. van Putten and K. Zeeb ; sponsored by the Federal Ministry of Food, Agriculture and Forestry. p. 79-82. Includes references. (NAL Call No.: DNAL SF756.7.I5 1984).

1460

Sterotyped behaviour, adjunctive drinking and the feeding periods of tethered sows.
ANBEA. Rushen, J. London : Bailliere Tindall. Animal behaviour. Nov 1984. v. 32 (pt.4). p. 1059-1067. Includes references. (NAL Call No.: DNAL 410 B77).

1461

Stimuli eliciting foodcalling in domestic chickens (*Gallus gallus*, behavior).
Hughes, M.K. Hughes, A.L.; Covait-Dunning, D. Amsterdam : Elsevier. Applied animal ethology. Aug 1982. v. 8 (6). p. 543-550. ill. Includes references. (NAL Call No.: QL750.A6).

1462

Stocking rate and the ecosystem: some interrelationships of pasture availability, grazing behaviour and productivity of Merino sheep on sown annual pasture in south Australia.

Carter, E.D. Buenos Aires, Luis S. Verde y Angel Fernandez Editores. Conferencia Mundial de Produccion Animal = World Conference on Animal Production. 1978 (pub. 1980). v. 2. p. 482-490. ill. Includes 8 ref. (NAL Call No.: SF5.W6).

1463

Strategies for studying ingestive behavior in large domestic and feral animals.
Houpt, K.A. Houpt, T.R. Amsterdam : Elsevier, 1987. Feeding and drinking / editors, F.M. Toates and N.E. Rowland. p. 367-392. ill. Includes references. (NAL Call No.: DNAL QL756.5.F44).

1464

Strategies of teat-seeking behavior in neonatal pigs.
Rohde, K.A. Gonyou, H.W. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. Dec 1987. v. 19 (1/2). p. 57-72. ill. Includes references. (NAL Call No.: DNAL QL750.A6).

1465

Stress and behaviour: an operational approach to animal welfare (Caring for and handling).
Kilgour, R.CTVSD. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1983. Paper presented at the Seminar on Farm Animal Housing and Welfare, Aberdeen, July 28-30, 1982. v. 24. p. 36-44. ill. Includes references. (NAL Call No.: SF600.C82).

1466

Stress and the behaviour of domestic fowl.
WPSJA. Williams, N.S. Aylesbury : World's Poultry Science Association. World's poultry science journal. Oct 1984. v. 40 (3). p. 215-220. Includes references. (NAL Call No.: DNAL 47.8 W89).

1467

Stress in farm animals: a need for reevaluation (Behavior, neuroendocrinology).
Dantzer, R.JANSA. Mormede, P. Champaign : American Society of Animal Science. Journal of animal science. July 1983. v. 57 (1). p. 6-18. Includes references. (NAL Call No.: 49 J82).

1468

Studie av grisninsforlopp hos losgaende sugor = Study of farrowing behaviour in freeranging sows / av Margareta Stigson. - Swedish.
Stigson, Margareta. Uppsala Swedish University of Agricultural Sciences, Dept. of Animal Breeding 1981. English summary. 73, (7) p. : ill. ; 21 cm. --. Bibliography: p. 71-73. (NAL Call No.: SF83.U6U6 nr.49).

(ANIMAL ECOLOGY)

1469

Studies of the relationship between fear-related responses and production traits in Japanese quail (*Coturnix coturnix japonica*) bidirectional selected for dustbathing activity.

POSCAL. Gerken, M. Bamberg, H.; Petersen, J. Champaign, Ill. : Poultry Science Association. Poultry science. Oct 1988. v. 67 (10). p. 1363-1371. Includes references. (NAL Call No.: DNAL 47.8 AM33P).

1470

Studies on behaviors of swine: nasal strength of swine.

Misaizdu, Y. Yamada, Y.; Mizuho, A. Tokyo, Japan : Japanese Society of Zootechnical Science, 1983. New strategies for improving animal production for human welfare : proceedings / the Fifth World Conference on Animal Production, August 14-19, 1983. v. 2 p. 819-820. Includes references. (NAL Call No.: DNAL SF5.W6 1983).

1471

Studies on ingestive behaviour of Ossimi sheep (when fed alfalfa hay) under summer conditions in Egypt.

Kondil, A.A. Adb-Ellatif, M.; Abou, F.H. New Delhi, Indian Council of Agricultural Research. The Indian journal of animal sciences. Dec 1979. v. 49 (12). p. 1063-1066. ill. 3 ref. (NAL Call No.: 41.8 IN22).

1472

A study of following behaviour in young lambs. Winfield, C.G. Kilgour, R. Amsterdam : Elsevier North-Holland. Developments in animal and veterinary sciences. 1985. v. 18. p. 347-355. Includes 11 references. (NAL Call No.: DNAL QL1.D48).

1473

A study of free-running rhythms in sheep (Behavior).

Hunsaker, W.G. Wolynetz, M.S. New York, Gordon and Breach. International journal of chronobiology. 1979. v. 6 (4). p. 219-230. ill. 18 ref. (NAL Call No.: QH527.I47).

1474

A study of the investigatory behavior of the dairy cow.

Nielsen, M.A. Luescher, U.A. Amsterdam : Elsevier Science Publishers, B.V. Applied animal behaviour science. Nov 1988. v. 21 (3). p. 191-200. Includes references. (NAL Call No.: DNAL QL750.A6).

1475

Submissive display in young helmeted guineafowl.

SAJZDH. Van Niekerk, J.H. Pretoria, Republic of South Africa : Bureau for Scientific Publications. South African journal of zoology. Jan 1985. v. 20 (1). p. 38. ill. Includes references. (NAL Call No.: DNAL QL336.26).

1476

Sucking behavior of dairy calves fed milk ad libitum by bucket or teat.

Hammell, K.L. Metz, J.H.M.; Mekking, P. Amsterdam : Elsevier Science Publishers, B.V. Applied animal behaviour science. Aug 1988. v. 20 (3/4). p. 275-285. Includes references. (NAL Call No.: DNAL QL750.A6).

1477

Suckling activity and calf growth in a group of crossbred cows each rearing two foster calves (Behavior).

Rosecrans, J.G. Hohenboken, W.D. Amsterdam : Elsevier. Applied animal ethology. Dec 1982. v. 9 (2). p. 131-140. Includes references. (NAL Call No.: QL750.A6).

1478

Suckling activity in pairs of Jersey calves reared on artificial rubber teats.

Simonsen, H.B. Darmstadt : Kuratorium fur Technik und Bauwesen in der Landwirtschaft, 1984? . Proceedings of the International Congress on Applied Ethology in Farm Animals, Kiel, 1984 / edited by J. Unshelm, G. van Putten and K. Zeeb ; sponsored by the Federal Ministry of Food, Agriculture and Forestry. p. 329-334. Includes references. (NAL Call No.: DNAL SF756.7.I5 1984).

1479

Suckling and drinking behaviour of newborn calves of beef or dairy cows.

Le Neindre, P. Menard, M.F. Paris, Dept. de pathologie animale de l'Institut national de la recherche agronomique. Annales de recherches vétérinaires. Annals of veterinary research. 1979. v. 10 (2/3). p. 211-212. ill. (NAL Call No.: SF602.A5).

1480

Suckling behavior in range beef calves.

JANSAG. Odde, K.G. Kiracofe, G.H.; Schalles, R.R. Champaign, Ill. : American Society of Animal Science. Journal of animal science. Aug 1985. v. 61 (2). p. 307-309. Includes references. (NAL Call No.: DNAL 49 J82).

147

(ANIMAL ECOLOGY)

1481

Suckling behavior of calves with dams varying in milk production.

JANSAG. Day, M.L. Imakawa, K.; Clutter, A.C.; Wolfe, P.L.; Zalesky, D.D.; Nielsen, M.K.; Kinder, J.E. Champaign, Ill. : American Society of Animal Science. Journal of animal science. Nov 1987. v. 65 (5). p. 1207-1212. Includes references. (NAL Call No.: DNAL 49 J82).

DNAL 60.19 B773).

1482

Suckling behavior of domestic swine in farrowing-barn and penned-woods environments / by Walter Clark Biggs, Jr. -.

Biggs, Walter Clark, 1931-. 1969. Thesis (Ph.D.)--North Carolina State University at Raleigh, 1969. Photocopy. Ann Arbor, Mich. : University Microfilms, 1971. xi, 98 leaves : ill. ; 21 cm. Bibliography: leaves 93-98. (NAL Call No.: DISS 70-12,819).

1487

Supplementary feeding of forage to grazing dairy cows. 2. Offering grass silage in early and late season.

GSFCD. Phillips, C.J.C. Leaver, J.D. Oxford : Blackwell Scientific Publications. Grass and forage science. June 1985. v. 40 (2). p. 193-199. Includes references. (NAL Call No.: DNAL 60.19 B773).

1483

Suckling behaviour, immunoglobulin status and weaning performance in suckler cows.

WRAPA. Langholz, H.J. Schmidt, F.W.; Derenbach, J.; Kim, J.W. Rome : International Publishing Enterprises. World review of animal production. Apr/June 1987. v. 23 (2). p. 33-38, 6. Includes references. (NAL Call No.: DNAL 49 W89).

1488

Survival of lambs.

JAWAA. Kelly, R. Lindsay, D. South Perth : Department of Agriculture, Western Australia. Journal of agriculture, Western Australia. 1987. v. 28 (3). p. 99-103. ill. (NAL Call No.: DNAL 23 W52J).

1484

Suckling behaviour of artificially-reared lambs: what kind of teat elicits spontaneous sucking?.

Fraser, D. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. Dec 1987. v. 19 (1/2). p. 99-109. ill. Includes references. (NAL Call No.: DNAL QL750.A6).

1489

Synchronizing horse and man. Using psychology and body language to bridge the communication gap (Training, behavior).

Hamilton, S. Gaithersburg, Md., Equine Health Publications Co. Equus. July 1979. July 1979. (21). p. 26-33, 72-73. ill. (NAL Call No.: SF277.E6).

1485

A summary of selected papers from the 1980 South Pacific Poultry Science Convention (Behavior, egg quality, poultry meat marketing).

Macindoe, R. Sydney, The Department. Poultry notes - New South Wales, Dept. of Agriculture. Jan 1981. Jan 1981. p. 3-8. (NAL Call No.: 47.9 N472).

1490

System of animal behaviour (Calves).

Nagpaul, P.K. Bangalore, T.A. Gaffar. Livestock adviser. Apr 1982. v. 7 (4). p. 17-19. (NAL Call No.: SF1.L53).

1486

Supplementary feeding of forage to grazing dairy cows. 1. Offering hay to dairy cows at high and low stocking rates.

GSFCD. Phillips, C.J.C. Leaver, J.D. Oxford : Blackwell Scientific Publications. Grass and forage science. June 1985. v. 40 (2). p. 183-192. Includes references. (NAL Call No.:

1491

Tactile stimulation and teat-seeking behaviour in newly born lambs.

ANBEA. Vince, M.A. Ward, T.M.; Reader, M. London : Bailliere Tindall. Animal behaviour. Nov 1984. v. 32 (pt.4). p. 1179-1184. Includes references. (NAL Call No.: DNAL 410 B77).

1492

Tampering with food by laying hens.

NICKA3. Tanaka, T. Yoshimoto, T. Tokyo : Japanese Society of Zootechnical Science. Nihon Chikusan Gakkai ho = Japanese journal of zootechnical science. Dec 1985. v. 56 (12). p. 994-996. Includes references. (NAL Call No.: DNAL 49 N62).

(ANIMAL ECOLOGY)

1493

Taste preferences in horses (Behavior).
Houpt, K.A. Santa Barbara : Veterinary Practice Pub. Co. Equine practice. Apr 1983. v. 5 (4). p. 22-2, 26. ill. Includes references. (NAL Call No.: SF951.E62).

1494

Teat-seeking behaviour in newborn lambs. I. Evidence for the influence of maternal skin temperature.
Billing, A.E. Vince, M.A. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. Oct 1987. v. 18 (3/4). p. 301-313. Includes references. (NAL Call No.: DNAL QL750.A6).

1495

Teat-seeking behaviour in newborn lambs. II. Evidence for the influence of the dam's surface textures and degree of surface yield.
Billing, A.E. Vince, M.A. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. Oct 1987. v. 18 (3/4). p. 315-325. Includes references. (NAL Call No.: DNAL QL750.A6).

1496

Teat-seeking or pre-sucking behaviour in newly born lambs: possible effects of maternal skin temperature.
Vince, M.A. London : Bailliere Tindall. Animal behaviour. Feb 1984. v. 32 (pt.1). p. 249-254. Includes references. (NAL Call No.: 410 B77).

1497

A technique for cross-mothering beef calves which does not affect growth.
Herd, R.M. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. May 1988. v. 19 (3/4). p. 239-244. ill. Includes references. (NAL Call No.: DNAL QL750.A6).

1498

A technique for the measurement of grazing behaviour.
CTVSD. Penning, P.D. Osbourn, D.F. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. Paper presented at the "Seminar on Grassland Beef Production," July 25-27, 1983, Ashford, England. 1984. (28). p. 161-164. ill. Includes references. (NAL Call No.: DNAL SF600.C82).

1499

A technique to record automatically some aspects of grazing and ruminating behavior in sheep.

Penning, P.D. GSFCD. Oxford : Blackwell Scientific Publications. Grass and forage science. June 1983. v. 38 (2). p. 89-96. ill. Includes references. (NAL Call No.: 60.19 B773).

1500

Techniques for taking a behavioral history.
Crowell-Davis, S.L. Houpt, K.A. Philadelphia : W.B. Saunders. The Veterinary clinics of North America : equine practice. In the series analytic: Behavior / edited by S.L. Crowell-Davis and K.A. Houpt. Dec 1986. v. 2 (3). p. 507-518. Includes references. (NAL Call No.: DNAL SF951.V47).

1501

Techniques for using the growth and behavior of imprinted ducklings to evaluate habitat quality.
MLTBB. Hunter, M.L. Jr. Witham, J.W.; Jones, J. Orono, Me. : The Station. Technical bulletin - University of Maine, Agriculture Experiment Station. Apr 1985. (117). 18 p. Includes 27 references. (NAL Call No.: DNAL 100 M28B).

1502

Temperament and bruising of Bos indicus cross cattle.

AAAHA. Fordyce, G. Goddard, M.E.; Tyler, R.; Williams, G.; Tolman, M.A. Melbourne : Commonwealth Scientific and Industrial Research Organization. Australian journal of experimental agriculture. 1985. v. 25 (2). p. 283-288. Includes 14 references. (NAL Call No.: DNAL 23 AU792).

1503

The temporal patterns of food intake and allelomimetic feeding by pigs of different ages (Behavior, nutrition).

Hsia, L.C. Wood-Gush, D.G.M. Amsterdam : Elsevier. Applied animal ethology. Jan 1984. v. 11 (3). p. 271-282. Includes references. (NAL Call No.: QL750.A6).

1504

Tethered versus loose sows: ethological observations and measures of productivity. I. Ethological observations during pregnancy and farrowing (Housing, behavior).

Vestergaard, K. Hansen, L.L. Paris : Dept. de pathologie animale de l'Institut national de la recherche agronomique. Annales de recherches

(ANIMAL ECOLOGY)

veterinaires = Annals of veterinary research. 1984. Paper presented at the "CEC Workshop on Welfare of Confined Sows," May 26-27, 1983, Rennes, France. v. 15 (2). p. 245-256. ill. Includes references. (NAL Call No.: SF602.A5).

1505

Tethered versus loose sows: ethological observations and measures of productivity. II. Production results (Restricted housing). Hansen, L.L. Vestergaard, K. Paris : Dept. de pathologie animale de l'Institut national de la recherche agronomique. Annales de recherches veterinaires = Annals of veterinary research. 1984. Paper presented at the "CEC Workshop on Welfare of Confined Sows," May 26-27, 1983, Rennes, France. v. 15 (2). p. 185-191. Includes references. (NAL Call No.: SF602.A5).

1506

Thirst in horses: the physiological and psychological causes. Houpt, K.A. Santa Barbara, Calif. : Veterinary Practice Pub. Co. Equine practice. June 1987. v. 9 (6). p. 28-30. Includes references. (NAL Call No.: DNAL SF951.E62).

1507

Time and motion study of agonistic behavior in the Red Jungle Fowl, Gallus gallus / by Richard Howard Wilson. - Wilson, Richard Howard, 1942-. 1971. Thesis (Ph.D.)--Utah State University, 1971. Photocopy. Ann Arbor, Mich. : University Microfilms, 1972. ix, 49 leaves ; 21 cm. Bibliography: leaves 47-48. (NAL Call No.: DISS 72-4,750).

1508

Time-budgeting in meat chickens grown commercially. BPOSA. Murphy, L.B. Preston, A.P. Oxfordshire : Carfax Publishing Company. British poultry science. Sept 1988. v. 29 (3). p. 571-580. Includes references. (NAL Call No.: DNAL 47.8 B77).

1509

Time-budgets of Camargue horses. II. Time-budgets of adult horses and weaned sub-adults (Behavior). Duncan, P. Leiden, E.J. Brill. Behaviour. 1980. v. 72 (pt.1/2). p. 26-49. ill. 23 ref. (NAL Call No.: 410 B393).

1510

Time of mating behavior by males from lines of chickens selected for high and low mating frequency.

Blohowiak, C.C. Van Krey, H.P. Champaign, Ill. : Poultry Science Association. Poultry science. Aug 1984. v. 63 (8). p. 1677-1678. Includes references. (NAL Call No.: 47.8 AM33P).

1511

Time spent in shade and its relationship with physiological factors of thermoregulation in three breeds of cattle.

Bennett, L.L. Finch, V.A.; Holmes, C.R. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. Jan 1985. v. 13 (3). p. 227-236. Includes 14 references. (NAL Call No.: DNAL QL750.A6).

1512

Time variations in grazing sheep behaviour to the management practices on pastures.

Lerivain, E. Darmstadt : Kuratorium fur Technik und Bauwesen in der Landwirtschaft, 1984? . Proceedings of the International Congress on Applied Ethology in Farm Animals, Kiel, 1984 / edited by J. Unshelm, G. van Putten and K. Zeeb ; sponsored by the Federal Ministry of Food, Agriculture and Forestry. p. 264-269. ill. Includes references. (NAL Call No.: DNAL SF756.7.I5 1984).

1513

To adapt the environment to the bird or the bird to the environment? (Laying hens).

Faure, J.M. CTVSD. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1980. Paper presented at the Seminar in the EEC Programme of Coordination of Research on Animal Welfare, Luxembourg, March 11-13, 1980. v. 8. p. 19-42. ill. Includes references. (NAL Call No.: SF600.C82).

1514

Tonic immobility in the domestic fowl as a function of social rank (Hens, behavior, dominance).

Jones, R.B. Faure, J.M. Paris, France, Masson. Biology of behaviour. = Biologie du comportement. 1982. v. 7 (1). p. 27-32. 2 p. ref. (NAL Call No.: QL750.B52).

(ANIMAL ECOLOGY)

1515

The tonic immobility reaction of the domestic fowl: a review.

WPSJA. Jones, R.B. Aylesbury : World's Poultry Science Association. World's poultry science journal. Literature review. Feb 1986. v. 42 (1). p. 82-96. Includes references. (NAL Call No.: DNAL 47.8 W89).

1516

Tranquilizing range cows to facilitate calf adoption.

Zobell, R.S. Federer, G.D. Denver, Colo. : Society for Range Management. Rangelands. Feb 1986. v. 8 (1). p. 12-13. ill. Includes references. (NAL Call No.: DNAL SF85.A1R32).

1517

Transport of animals intended for breeding production and slaughter (Calves, physiology, behavior).

Stephens, D.B. CTVSD. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1982. v. 18. p. 187-206. ill. 2 p. ref. (NAL Call No.: SF600.C82).

1518

Treatment of aggression in horses (Equine practice, behavior).

Houpt, K.A. Santa Barbara, Calif. : Veterinary Practice Pub. Co. Equine practice. June 1984. v. 6 (6). p. 8-10. Includes references. (NAL Call No.: SF951.E62).

1519

Treatment of fear-induced aggression in a horse (Behavior modification).

Voith, V.L. Santa Barbara, Calif., American Veterinary Publications. Modern veterinary practice. Oct 1979. v. 60 (10). p. 835-837. ill. (NAL Call No.: 41.8 N812).

1520

Tube dominance in piglets: structure and stability of dominance order (Aggressiveness, social behavior).

Szekely, S. Orban, E.; Kurucz, I.; Sarvary, J. Amsterdam : Elsevier. Applied animal ethology. Jan 1983. v. 9 (3/4). p. 279-288. ill. Includes references. (NAL Call No.: QL750.A6).

1521

Turning and walking by gilts in modified gestation crates.

JANSAG. McFarlane, J.M. Boe, K.E.; Curtis, S.E. Champaign, Ill. : American Society of Animal Science. Journal of animal science. Feb 1988. v. 66 (2). p. 326-333. ill. Includes references. (NAL Call No.: DNAL 49 J82).

1522

Umwelt and animal welfare (Morphology, physiology and behaviour).

Wiepkema, P.R. CTVSD. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1983. Paper presented at the Seminar on Farm Animal Housing and Welfare, Aberdeen, July 28-30, 1982. v. 24. p. 45-50. ill. Includes references. (NAL Call No.: SF600.C82).

1523

Understanding dairy cow behaviour.

Hurnik, J.F. Guelph : Ontario Agricultural College, University of Guelph. Notes on agriculture. June 1981. v. 17 (2). p. 5-8. ill. (NAL Call No.: S544.5.C2N6).

1524

Use of a conditioned stimulus to improve equine behavior in response to clipping.

Mackenzie, S.A. Giordano, A.P.; Monahan, E.A. Santa Barbara, Calif. : Veterinary Practice Pub. Co. Equine practice. May 1987. v. 9 (3). p. 15-17. Includes references. (NAL Call No.: DNAL SF951.E62).

1525

Use of a narcotic antagonist (naloxone) to suppress self-mutilative behavior in a stallion.

JAVMA. Dodman, N.H. Shuster, L.; Court, M.H.; Patel, J. Schaumburg, Ill. : The Association. Journal of the American Veterinary Medical Association. June 1, 1988. v. 192 (11). p. 1585-1586. Includes references. (NAL Call No.: DNAL 41.8 AM3).

1526

The use of an electronic monitoring device to record the effect of cow cubicle floor gradients on cow occupancy (Behavior).

Brooks, P.H. Parkins, P.; Dunn, G.; Sumner, J.; Francis, P.G. Amsterdam : Elsevier. Applied animal ethology. July 1983. v. 10 (4). p. 279-285. Includes references. (NAL Call No.: QL750.A6).

(ANIMAL ECOLOGY)

1527

The use of ethological welfare indicators in practical control procedures (Animal protection laws, West Germany).

Zeeb, K. CTVSD. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1983. Paper presented at the Seminar on Indicators Relevant to Farm Animal Welfare, Mariensee, 9-10 November 1982. v. 23. p. 233-242. ill. Includes references. (NAL Call No.: SF600.C82).

1528

Use of habitats by free-grazing sheep.

E1 Aich, A. Rittenhouse, L.R. Amsterdam : Elsevier Science Publishers, B.V. Applied animal behaviour science. Nov 1988. v. 21 (3). p. 223-231. maps. Includes references. (NAL Call No.: DNAL QL750.A6).

1529

Use of lambing cubicles and the behavior of ewes at parturition.

Gonyou, H.W.JANSA. Stookey, J.M. Champaign : American Society of Animal Science. Journal of animal science. Apr 1983. v. 56 (4). p. 787-791. ill. Includes references. (NAL Call No.: 49 J82).

1530

Using digital pedometers to monitor travel of cows grazing arid rangeland.

Anderson, D.M. Urquhart, N.S. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. Aug 1986. v. 16 (1). p. 11-23. Includes references. (NAL Call No.: DNAL QL750.A6).

1531

Validating techniques to sample behavior of confined, young pigs.

Arnold-Meeks, C. McGlone, J.J. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. Sept 1986. v. 16 (2). p. 149-155. Includes references. (NAL Call No.: DNAL QL750.A6).

1532

Variations in herbage mass and digestibility, and the grazing behaviour and herbage intake of adult cattle and weaned calves.

Hodgson, J. Jamieson, W.S. Oxford, Blackwell Scientific Publications. Grass and forage science. Mar 1981. v. 36 (1). p. 39-48. ill. Bibliography p. 47-48. (NAL Call No.: 60.19 B773).

1533

Variations in the strength of maternal behaviour and its conflict with flocking behaviour in Dalesbred, Jacob and Soay ewes.

Shillito, E. Hague, W.P.; Yeomans, M. Amsterdam : Elsevier North-Holland. Developments in animal and veterinary sciences. 1985. v. 18. p. 153-158. Includes 8 references. (NAL Call No.: DNAL QL1.D48).

1534

Variations in the strength of maternal behaviour and its conflict with flocking behaviour in Dalesbred, Jacob and Soay ewes (Sheep breeds).

Shillito Walser, E. Hague, P.; Yeomans, M. Amsterdam : Elsevier. Applied animal ethology. May 1983. v. 10 (3). p. 245-250. ill. Includes references. (NAL Call No.: QL750.A6).

1535

Veterinary animal behavior: Where did it come from? What problems does it face? Where is it going?

Crowell-Davis, S. Santa Barbara, Calif. : Veterinary Practice Pub. Co. Equine practice. May 1987. v. 9 (3). p. 26-28. (NAL Call No.: DNAL SF951.E62).

1536

The veterinary relevance of farm animal ethology.

VETRAX. Broom, D.M. London : British Veterinary Association. The Veterinary record. Oct 24, 1987. v. 121 (17). p. 400-402. Includes references. (NAL Call No.: DNAL 41.8 V641).

1537

Visual discrimination between ewes by lambs.

Alexander, G. Shillito Walser, E.E. Amsterdam : Elsevier North-Holland. Developments in animal and veterinary sciences. 1985. v. 18. p. 247-251. Includes 4 references. (NAL Call No.: DNAL QL1.D48).

1538

Visually imprinted maternal preference in ducklings is redirected by social interaction with siblings.

DEPBA5. Lickliter, R. Gottlieb, G. New York, N.Y. : John Wiley & Sons. Developmental psychobiology. May 1986. v. 19 (3). p. 265-277. ill. Includes references. (NAL Call No.: DNAL QP351.D4).

(ANIMAL ECOLOGY)

1539

Vocal communication in the domestic chicken.
II. Is a sender sensitive to the presence and
nature of a receiver?.
ANBEA. Marler, P. Dufty, A.; Pickert, R. London
: Bailliere Tindall. Animal behaviour. Feb
1986. v. 34 (pt.1). p. 194-198. Includes
references. (NAL Call No.: DNAL 410 B77).

1540

Vocalizations and behavior of two commercial
stocks of chickens.
Stone, N.D. Siegel, P.B.; Adkisson, C.S.;
Gross, W.B. Champaign, Ill. : Poultry Science
Association. Poultry science. Apr 1984. v. 63
(4). p. 616-619. ill. Includes references. (NAL
Call No.: 47.8 AM33P).

1541

Voluntary regulation of lighting by domestic
fowls in Skinner boxes (Broilers, behavior).
Savory, C.J. Duncan, I.J.H. Amsterdam :
Elsevier. Applied animal ethology. Nov 1982. v.
9 (1). p. 73-81. ill. Includes references. (NAL
Call No.: QL750.A6).

1542

Washing lambs and confinement as aids to
fostering.
Alexander, G. Stevens, D.; Bradley, L.R.
Amsterdam : Elsevier North-Holland.
Developments in animal and veterinary sciences.
1985. v. 18. p. 159-169. Includes 10
references. (NAL Call No.: DNAL QL1.D48).

1543

Washing lambs and confinement as aids to
fostering (Maternal behavior, sheep).
Alexander, G. Stevens, D.; Bradley, L.R.
Amsterdam : Elsevier. Applied animal ethology.
May 1983. v. 10 (3). p. 251-261. ill. Includes
references. (NAL Call No.: QL750.A6).

1544

Water consumption and time budgets of stabled
pony (*Equus caballus*) geldings.
Sweeting, M.P. Houpt, K.A. Amsterdam : Elsevier
Science Publishers B.V. Applied animal
behaviour science. Apr 1987. v. 17 (1/2). p.
1-7. Includes references. (NAL Call No.: DNAL
QL750.A6).

1545

Welfare and design (Animal housing).
Baxter, S.H.CTVSD. The Hague : Martinus
Nijhoff. Current topics in veterinary medicine
and animal science. 1983. Paper presented at
the Seminar on Farm Animal Housing and Welfare,
Aberdeen, July 28-30, 1982. v. 24. p. 310-317.
(NAL Call No.: SF600.C82).

1546

Welfare and productivity (Farm animals).
Bareham, J.R. Vestergaard, K. Basel, Birkhauser
Verlag. Tierhaltung. 1981. v. 11. p. 11-29.
Includes 7 p. ref. (NAL Call No.: SF105.T5).

1547

Welfare and the housing of the sow and suckling
pigs.
Baxter, S.H.CTVSD. The Hague : Martinus
Nijhoff. Current topics in veterinary medicine
and animal science. 1981. Paper presented at
the Seminar in the EEC Programme of
Coordination of Research on Animal Welfare,
Brussels, November 25-26, 1980. v. 11. p.
276-315. ill. Includes references. (NAL Call
No.: SF600.C82).

1548

Welfare, battery cage design and energy
conservation (Chickens, USA).
Thorman, V.P. (Tunbridge Wells, Kent) : The
Authority. Technical bulletin - The Eggs
Authority. Oct 1982. Oct 1982. (14. p. 1-16.
(NAL Call No.: SF490.T43).

1549

Welfare in veal calf units (Housing system,
behavior).
Putten, G. van. London, British Veterinary
Association. The Veterinary record. Nov 6,
1982. v. 111 (19). p. 437-440. 16 ref. (NAL
Call No.: 41.8 V641).

1550

Welfare lessons of equine social behaviour.
EQVJA. Pollock, J. London : British Equine
Veterinary Association. Equine veterinary
journal. Literature review. Mar 1987. v. 19
(2). p. 86-89. Includes references. (NAL Call
No.: DNAL SF955.E6).

(ANIMAL ECOLOGY)

1551

The welfare of adult pigs: the effects of five housing treatments on behaviour, plasma corticosteroids and injuries.

Barnett, J.L. Cronin, G.M.; Winfield, C.G.; Dewar, A.M. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. Apr 1984. v. 12 (3). p. 209-232. ill. Includes 33 references. (NAL Call No.: DNAL QL750.A6).

1552

The welfare of confined sows: physiological, behavioural and production responses to contrasting housing systems and handler attitudes.

Barnett, J.L. Cronin, G.M.; Hemsworth, P.H.; Winfield, C.G. Paris : Dept. de pathologie animale de l'Institut national de la recherche agronomique. Annales de recherches vétérinaires = Annals of veterinary research. 1984. Paper presented at the "CEC Workshop on Welfare of Confined Sows," May 26-27, 1983, Rennes, France. v. 15 (2). p. 217-226. ill. Includes references. (NAL Call No.: SF602.A5).

1553

Welfare of piglets in flatdeck-cages (Housing, environment).

Putten, G. vanCTVSD. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1981. Paper presented at the Seminar in the EEC Programme of Coordination of Research on Animal Welfare, Brussels, November 25-26, 1980. v. 11. p. 185-197. Includes references. (NAL Call No.: SF600.C82).

1554

The wellbeing of the caged hen--an evaluation based on the normal behaviour of fowls.

Vestergaard, K. Basel, Birkhauser Verlag. Tierhaltung. 1981. v. 12. p. 145-165. Includes 6 p. ref. (NAL Call No.: SF105.T5).

1555

What makes a good mother?: components and comparative aspects of maternal behaviour in ungulates.

Alexander, G. Sydney : Pergamon Press. Proceedings of the Australian Society of Animal Production. 1988. v. 17. p. 25-41. Includes references. (NAL Call No.: DNAL 49.9 AU72).

1556

What shy is this? (Horses, behavior).

Hamilton, S. Gaithersburg, Md., Fleet Street Corporation. Equus. May 1981. May 1981. (43). p. 46-50, 70-73. ill. 7 ref. (NAL Call No.: SF277.E6).

1557

Who's boss at the milk bar? (Feeding of piglets at an artificial sow in order to study suckling behaviour).

Foster, J. Ipswich, Eng., Farming Press. Pig farming. May 1981. v. 29 (5). p. 24-25, 27. ill. (NAL Call No.: 46.8 P623).

1558

Why do cows mount other cows?.

Baker, A.E.M. Seidel, G.E. Jr. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. Jan 1985. v. 13 (3). p. 237-241. Includes 25 references. (NAL Call No.: DNAL QL750.A6).

1559

Winter grazing activity and forage intake of range cows in the Northern Great Plains.

JANSAG. Adams, D.C. Nelsen, T.C.; Reynolds, W.L.; Knapp, B.W. Champaign, Ill. : American Society of Animal Science. Journal of animal science. May 1986. v. 62 (5). p. 1240-1246. Includes references. (NAL Call No.: DNAL 49 J82).

1560

You help make 'em creatures of habit (Cow individual and herd behavior).

Triplett, C. Macon, Ga., The Journal. Livestock breeder journal. Oct 1979. v. 22 (10). p. 26. ill. (NAL Call No.: 49 L758).

1561

Adaptation changes in the organism of hens during the period of postnatal development at restricted mobility. 3. Corticosteroids, reproductive system and aggressive behavior. Russian.

Petrikas, Iu.Iu. Vilnius : Akademija. Darbai - Lietuvos TSR Mokslu Akademijos. Serija C = Trudy - Akademija Nauk Litovskoi SSR. Serija V. 1986. v. 3 (95). p. 79-86. Includes references. (NAL Call No.: DNAL 511 AK192D).

(ANIMAL ECOLOGY)

1562

Adaptive behaviour, feed consumption and milk production by milking cows fed from Alfa-Feed automatic dispenser. Hungarian.

Pojtner, M. Szucs, E.; Biro, I.; Minczinger, L. Budapest : Hirlapkiado Vallalat.

Allattenyesztes es takarmanyozas = Animal breeding and feeding. 1982. v. 31 (6). p. 513-519. ill. Includes references. (NAL Call No.: 49 AL57).

1563

Agonistic behaviour of swine. Spanish.

Lagreca, L.A. ANVTA. Marotta, E.G. La Plata : Universidad Nacional, Facultad de Ciencias Veterinarias. Analecta veterinaria. Jan/Dec 1981. v. 13 (1/3). p. 41-51. 29 ref. (NAL Call No.: SF604.A49).

1564

Analysis of the behavior of the fattening bull. GERMAN.

Fliegner, Harald. Stuttgart E. Ulmer 1979. 59 p. : ill. --. Bibliography: p. (48)-52. (NAL Call No.: 105.8 H686A Heft 98).

1565

Analysis of the cows' behavior and the relation between its behavior and heart rates.

Nomura, K. Tokuriki, M.; Nomura, S. Tokyo, Japanese Society of Zootechnical Science. Nihon Chikusan Gakkai ho. = Japanese journal of zootechnical science. Nov 1980. v. 51 (11). p. 779-785. ill. 12 ref. (NAL Call No.: 49 N62).

1566

Animal welfare and protection of poultry industry (Housing types and conditions).

Italian.

De Franceschi, D.RIAVB. Bologna : Edagricole. Rivista di avicoltura. May 1982. v. 51 (5). p. 27-30. ill. (NAL Call No.: 47.8 R523).

1567

Applied animal behavior and its contribution to animal production research on swine. German.

Bunger, B. Berlin, Akademie der Landwirtschaftswissenschaften der DDR. Tierzucht. Oct 1981. v. 35 (10). p. 466-467. (NAL Call No.: 49 T443).

1568

Applied ethological research on domestic chickens. French.

Zayan, Rene. Louvain-la-Neuve : Universite catholique de Louvain, 1984. At head of title: I.R.S.I.A. Centre d'ethologie des animaux domestiques. ~ Summary in Dutch and English. 280 p. : ill. ; 25 cm. Bibliography: p. 263-264. (NAL Call No.: DNAL SF493.5.Z39).

1569

Behavior analysis of dairy cows under the conditions of large-scale production technology of loose housing.

Vavak, V. Bratislava, Slovenska akademia vied. Pol'nohospodarstvo. = Sel'skoe khozaiistvo. = Agriculture. 1981. v. 27 (1). p. 44-51. 9 ref. (NAL Call No.: 19.5 P752).

1570

Behavior and adaptation physiological reactions of fattening bulls in different housing densities of slatted floor boxes.

Andreae, U. Unshelm, J.; Smidt, D. Hildesheim, Arbeitsgemeinschaft Deutscher Tierzüchter. Der Tierzüchter. Nov 25, 1980. v. 32 (11). p. 467-468, 473. ill. (NAL Call No.: 49 T445).

1571

Behavior and clinical-physiological indicators of lambs at different dates of weaning from the ewes. Russian.

Iashunin, V.G. Svinchenko, T.T.; Sidakova, V.T. Moskva : Izdatel'stvo "Kolos". Ovtsevodstvo. July 1981. July 1981. (7). p. 29-30. (NAL Call No.: 45.8 OV72).

1572

Behavior and development of calves under conditions of commercial complex at different technologies. Russian.

Borodulin, E.N. IArovoi, S.A. Moskva : Kolos, 1981. Vyvedenie korov dla molochnykh kompleksov / red. A.S. Vsiakikh. p. 149-158. ill. (NAL Call No.: SF201.V88).

1573

Behavior and habituation of cows of different breeds in the testing box. Slovak.

Kovalcik, K. Kovalcikova, M.; Flak, P. Praha, Ustav. Zivocisna výroba - Československa akademie zemedelska, Ustav vedeckotechnickych informaci pro zemedelstvi. Oct 1981. v. 26 (10). p. 757-766. 9 ref. (NAL Call No.: 49.9 C33).

155

(ANIMAL ECOLOGY)

1574

Behavior and metabolism in cows.
Beliaev, V.I. Petrov, P.E. Moskva, "Kolos". Veterinariia. July 1980. July 1980. (7). p. 57-58. (NAL Call No.: 41.8 V6426).

1575

Behavior and productivity of sows in relation with the steadiness and well balanced state of the nervous processes. Ukrainian.
VSNA. Naumenko, V.V. Shubenko, O.I. Kyiv : Derzh. vid-vo sil'shosn. Visnyk sil's'kohospodars'koi nauky. Oct 1984. (10). p. 62-63. (NAL Call No.: DNAL 20 V82).

1576

Behavior and stress of calves resulting from dislocation. Bulgarian.
Madzharov, I. Tomova, I. Sofiia, Bulgarska akademiiia na naukite. Zhivotnovudni nauki. = Animal science. 1980. v. 17 (3). p. 107-110. 6 ref. (NAL Call No.: 49 Z65).

1577

Behavior biological and adaptation physiological aspects of slatted floor rearing of cattle and swine. GERMAN.
Braunschweig-Volkenrode Bundesforschungsanstalt fur Landwirtschaft 1979. Lectures of the "DFG-Kleinkonferenz" held March 23-24, 1979. 225 p. : ill. --. Includes bibliographies. (NAL Call No.: 18 L2353 sp. no.48).

1578

Behavior, growth and development of calves under conditions of commercial technology. Russian.
Borodulin, E.ZHIVA. IArovoi, S. Moskva : Izdatel'stvo "Kolos". Zhivotnovodstvo. July 1981. July 1981. (7). p. 39-41. (NAL Call No.: 49 Z6).

1579

Behavior of a herd of dairy cows towards an automatic concentrated feed distributor of simplified construction. French.
Gronqnet, J.F. SAQRA. Souty, J.C. Rennes : Ecole nationale superieure agronomique. Sciences agronomiques, Rennes : bulletin scientifique et technique. 1982. 1982. (2). p. 127-139. ill. Includes references. (NAL Call No.: S5.S2).

1580

Behavior of B-6 broiler according to rearing density X m² of floor area (Chicks). Spanish.
Lopez, S. Escalante, A. Habana : Combinado Avicola Nacional. Revista cubana de ciencia avicola. Dec 1982. v. 9 (2). p. 153-159. Includes references. (NAL Call No.: SF481.R48).

1581

Behavior of calves kept under various conditions of maintenance. RUSSIAN.
Khabetsov, S.S. Mkrtchian, Sh.A. Moskva, Ministerstvo sel'skogo khoziaistva. Zhivotnovodstvo. July 1977. July 1977 (7). p. 71-73. ill. (NAL Call No.: 49 Z6).

1582

Behavior of calves reared and fed in different ways. RUSSIAN.
Kovalchik, K. Kovachikova, M.; Brestenski, V. Moskva, "Kolos". Zhivotnovodstvo. Dec 1979. Dec 1979. (12). p. 72-73. (NAL Call No.: 49 Z6).

1583

Behavior of cows in a box stall with feed provision and with a little and a great deal of exercising room.
Metz, J.H.M. Mekking, P.; Diepen, J.W.M. van. ; Ven, P.A.M. van der. Den Haag, Ministerie van Landbouw en Visserij. Bedrijfsontwikkeling. Jan 1981. v. 12 (1). p. 49-56. ill. 8 ref. (NAL Call No.: S11.B43).

1584

The behavior of cows in a lying box loose housing stable considering the functions of various areas. German.
Bockisch, Franz-Josef, 1956-. Giessen : Selbstverlag im Eigenvertrieb F. Bockisch, 1985. Thesis (doctoral)--Technische Universitat Munchen, 1985. Includes vita. 266 p. : ill. ; 21 cm. --. Bibliography: p. 204-213. (NAL Call No.: DNAL S760.G3F67 Nr.113).

1585

Behavior of cows of different genotypes in closed dairy units in a tied-down system. Hungarian.
Gere, T. Gyorkos, I.; Horvath, R.; Rado, G. Budapest : Hirlapkiado Vallalat. Allattenyesztes es takarmanyozas = Animal breeding and feeding. 1983. v. 32 (1). p. 39-43. Includes references. (NAL Call No.: 49 AL57).

(ANIMAL ECOLOGY)

1586

Behavior of cows under conditions of commercial technology. Russian.
Kryanova, L.N. Moskva : VNIIT EISKh.
Dostizheniiia sel'skokhoziaistvennoi nauki i praktiki. Seriia 2: Zhivotnovodstvo i veterinariia. Sept 1981. Sept 1981. (9). p. 10-17. Includes references. (NAL Call No.: SF1.D6).

1587

Behavior of cows with different methods of maintenance. RUSSIAN.
Zirups, I.A. Murnieks, L.A. Moskva, Ministerstvo sel'skogo khoziaistva. Zhivotnovodstvo. Jan 1978. Jan 1978. (1). p. 65-66. ill. (NAL Call No.: 49 Z6).

1588

Behavior of dairy cows in tie barns with straw litter, in function of size of the barn. FRENCH.
Maton, A. Daelemans, J. Bruxelles. Revue de l'agriculture. Sept/Oct 1978. v. 31 (5). p. 827-835. ill. 5 ref. (NAL Call No.: 13 R322).

1589

Behavior of farm animals. Bulgarian.
Tosev, A.ZHIVA. Dimitrova, P. Sofiia : Ministerstvo na zemedelieto i khranitelnata promishlenost. Zhivotnovodstvo. 1981. v. 35 (6). p. 34-37. ill. (NAL Call No.: 49 Z62).

1590

Behavior of farm animals. Hungarian.
Czako, Jozsef. Budapest : Mezogazdasagi Kiado, 1978. 218 p. : ill. ; 20 cm. (NAL Call No.: DNAL QL751.C8 1978).

1591

Behavior of farm animals. Russian.
Ernst, Lev Konstantinovich. Venediktova, T. N.; (Tat'iana Nikolaevna); Zei'ner, Viktor Ruvimovich. Moskva VNIITEISKh 1974. 66, (1) p. ; 22 cm. --. Bibliography: p. 61-(67). (NAL Call No.: SF756.7.E7).

1592

Behavior of fattening swine on slatted floors. GERMAN.
Steiger, A. Braunschweig, Bundesforschungsanstalt fur Landwirtschaft. Landbauforschung Volkenrode. 1979. 1979. (special no.48). p. 118-136. Bibliography p. 132-136. (NAL Call No.: 18 L2353).

1593

Behavior of hens. GERMAN.
Stuttgart Ulmer 1980. In English or German ~Lectures of a seminar held in 1979. 82 p. : ill. --. Includes bibliographies. (NAL Call No.: 105.8 H686A Heft 108).

1594

Behavior of Ile-de-France rams reared in different conditions in an open-field test (Breed, sexual behavior). French.
Lachaux, M. Bouissou, M.F.; Berges, J.C.; Orgeur, P. Paris : Masson. Biology of behaviour. 1983. v. 8 (3). p. 257-279. ill. Includes references. (NAL Call No.: QL750.B52).

1595

The behavior of Kiso horses under housing for five successive days. Japanese.
SDNOAM. Tsujii, H. Asai, T. Ina : The Faculty. Shinshu Daigaku Nogaku-bu kiyo = Journal of the Faculty of Agriculture, Shinshu University. July 1985. v. 22 (1). p. 21-29. maps. Includes 12 references. (NAL Call No.: DNAL 107.6 M41).

1596

Behavior of lambs in typical winter pens in Western Siberia. RUSSIAN.
Terletskii, V.Z. Omsk, Institut. Sbornik nauchnykh rabot SibNIVI - Sibirskii nauchno-issledovatel'skii veterinarnyi institut. 1978. v. 33. p. 111-116. 4 ref. (NAL Call No.: 41.9 OM7).

1597

Behavior of milk cows on intensive pasturage. Slovak.
Kotvas, R. Vavak, V. Bratislava, Czechoslovakia : Slovenskej akademie vied. Pol'nohospodarstvo = Agriculture. 1984. v. 30 (3). p. 228-236. Includes references. (NAL Call No.: 19.5 P752).

1598

Behavior of non-lactating cows depending on the keeping method. Ukrainian.
Skvaruk, V.S. VSNA, Bortnovs'kyi, P.F.; Voltornystyi, V.M. Kiiv : Derzh. vid-vo sill'gosn. Visnyk sil's'kohospodars'koi nauki. Mar 1982. Mar 1982. (3). p. 31-33. Includes references. (NAL Call No.: 20 V82).

(ANIMAL ECOLOGY)

1599

Behavior of piglets from birth to colostrum uptake, and some practical conclusions. German.
Bunger, B. Berlin, E. Ger. : Akademie der Landwirtschaftswissenschaften der DDR.
Tierzucht. Oct 1983. v. 37 (10). p. 468-470.
ill. (NAL Call No.: 49 T443).

1600

Behavior of piglets in regard to fodder feed and preference to sour substances. Romanian.
Isar, M. RCAND. Isar, O. Bucuresti : Ministerul Agriculturii si Industriei Alimentare. Revista de cresterea animalelor. Feb 1983. v. 33 (2). p. 53-56. Includes references. (NAL Call No.: 49 P943).

1601

Behavior of sheep, heifers and buffalo heifers exposed to heat stress in a cold-energy chamber (Metabolic aspects). ITALIAN.
Borghese, A. Rome, II Istituto. Annali dell'Istituto Sperimentale per la Zootecnia. 1978. v. 11 (2). p. 203-226. ill. 44 ref. (NAL Call No.: SF1.18).

1602

Behavior of sows and their natural resistance at indoor maintenance. Ukrainian.
VSNAA. Chornyi, M.V. Kyiv : Derzh. vid-vo sil'hosn. Visnyk sill's/kohospodars'koi nauky. Oct 1983. (10). p. 64-67. Includes 7 references. (NAL Call No.: DNAL 20 V82).

1603

The behavior of suckling calves towards cows and towards automatic liquid feeders. German.
Ahmed, Ahmed Khalil, 1950-. Hohenheim : s.n., 1987. English summary.~ Includes vita. 87, 3 p. ; ill. ; 21 cm. Bibliography: p. 79-87. (NAL Call No.: DNAL 105.8 H686D 1987 no. 12).

1604

Behavior of swine kept under highly technological conditions.
Grauvogl, A. Zagreb, "Krmiva". Krmiva. Nov/Dec 1978. v. 20 (11/12). p. 237-244. 12 ref. (NAL Call No.: 389.78 K89).

1605

Behavior of young sheep and cattle on meadows (Pastures, grazing, Romania). Romanian.
Marusca, T. RCAND. Bucuresti : Ministerul Agriculturii si Industriei Alimentare. Revista de cresterea animalelor. May 1982. v. 32 (5). p. 7-14. ill. Includes references. (NAL Call No.: 49 P943).

1606

Behavior problems (vices) in swine fattening. ITALIAN.
Ballarini, G. Bologna, Edagricole. Rivista di suinicoltura. Dec 1979. v. 20 (12). p. 31-34. ill. 20 ref. (NAL Call No.: 46.8 SU3).

1607

Behavior reaction of first-calf cows (Response to machine milking). Russian.
Tokarev, I.U. Blizno, V. Moskva : "Kolos". Molochnoe i miasnoe skotovodstvo. Oct 1981. Oct 1981. (10). p. 27. (NAL Call No.: 43.8 M73).

1608

Behavior research in sheep. German.
Hinrichsen, J.K. Hildesheim, W. Ger., Arbeitsgemeinschaft Deutscher Tierzüchter. Der Tierzüchter. July 25, 1982. v. 34 (7). p. 301-302. ill. (NAL Call No.: 49 T445).

1609

Behavioral and growth responses to environmental temperatures in weaned piglets kept in groups. Japanese.
NICKA3. Hata, H. Koizumi, T.; Miyazaki, H.; Abe, H.; Sugimoto, N.; Fujita, T. Tokyo : Japanese Society of Zootechnical Science. Nihon Chikusan Gakkai ho = Japanese journal of zootechnical science. Oct 1986. v. 57 (10). p. 796-800. Includes references. (NAL Call No.: DNAL 49 N62).

1610

Behavioral studies on yearling horses in field environments. 1. Effects of the field size on the behavior of horses. Japanese.
Kusunose, R. Hatakeyama, H.; Kubo, K.; Kiguchi, A.; Asai, Y.; Fujii, Y.; Ito, K. Tokyo : The Institute. Bulletin of Equine Research Institute. 1985. (22). p. 1-7. Includes 8 references. (NAL Call No.: DNAL SF321.N5).

(ANIMAL ECOLOGY)

1611

Behavioral studies on yearling horses in field environments. 2. Effects of the group size on the behavior of horses. Japanese.
Kusunose, R. Hatakeyama, H.; Ichikawa, F.; Kubo, K.; Kiguchi, A.; Asai, Y.; Ito, K. Tokyo : The Institute. Bulletin of Equine Research Insitute. 1986. (23). p. 1-6. Includes references. (NAL Call No.: DNAL SF321.N5).

1612

Behaviour of bulls in dependence of environmental temperature. Hungarian.
Borsi, J. ALTZA. Budapest, Hirzapkiado Vallalat. Allattenyesztes es takarmanyozas. = Animal breeding and feeding. 1981. v. 30 (4). p. 311-316. ill. (NAL Call No.: 49 AL57).

1613

Behaviour of calves during period after calving in dependence on housing system. Czech.
Veris, J. Navratil, J. V Praha, Vysoka Skola Zemedelska. Sbornik. Rada B. Zivocisna vyruba - Prague, Vysoka skola zemedelska, Fakulta agronomicka. 1982. 1982. (37). p. 109-124. ill. 9 ref. (NAL Call No.: SF1.P7).

1614

Behaviour of cows in free box stall barn with limited access to the feeding area.
Winnicki, S. Jodlowski, J. Wrocław, Państwowe Wydawn. Naukowe. Roczniki naukowe zootechniki. Monografie i rozprawy. 1979. 1979. (14). p. 157-170. ill. 14 ref. (NAL Call No.: SF1.R63).

1615

Behaviour of dairy cows in free-stall barns. German.
Baehr, J. Schulte-Coerne, H.; Pabst, K.; Gravert, H.O. Stuttgart, W. Ger. : Eugen Ulmer. Zuchungskunde. Mar/June 1984. v. 56 (2/3). p. 127-138. ill. Includes references. (NAL Call No.: 49 Z8).

1616

Behaviour of heifers originating from different sires. Polish.
ZPPRA. Winnicki, S. Warszawa : Państwowe Wydawn. Naukowe. Zeszyty problemowe postepow nauk rolniczych. 1984. (267). p. 253-258. Includes 2 references. (NAL Call No.: DNAL 20.5 25).

1617

The behaviour of hens influenced by different rearing and housing systems. German.
Folsch, D.W. Basel, Birkhauser Verlag. Tierhaltung. 1981. v. 12. p. 9-114. ill. Includes 5 p. ref. (NAL Call No.: SF105.T5).

1618

Behaviour of milk cows in great-capacity tying-type housing. Slovak.
Vavak, V. POLNA. Bratislava : Slovenskej akademie vied. Pol'nohospodarstvo = Agriculture. 1983. v. 29 (2). p. 163-170. Includes references. (NAL Call No.: 19.5 P752).

1619

Behaviour of sows and their litters kept in farrowing pens for 6 weeks. Polish.
Grudniewska, B. Kurcman, B.; Eljasziak J.; Myelinski, J.; Wierzbowski, T. Warszawa : Polskie Towarzystwo Zootechniczne. Przeglad naukowy literatury zootechnicznej. 1982 (pub. 1983). Paper presented at the XLVI Science Meeting on "The Chosen Problems of Pig Breeding and Production," held September 17-18, 1981, Olsztyn. v. 28 (special issue). p. 372-378. Includes references. (NAL Call No.: SF1.P78).

1620

Behaviour of sows during farrowing and according to the type of pens. Romanian.
Dinu, I. Bucuresti, Ministerul Educatiei si Invatamintului, Institutul Agronomic "Nicolae Balcescu". Lucrari stiintifice. Seria D: Zootehnie. 1980 (pub. 1981). v. 23. p. 19-23. Includes 5 ref. (NAL Call No.: SF15.R8I52).

1621

Behaviour of suckling and weaned piglets. Polish.
Malysa, A. Krakow : Instytut. Biuletyn informacyjny - Krakow, Instytut Zootechniki, Zaklad Informacji Zootechnicznej. 1982. v. 20 (b). p. 55-60. ill. Includes references. (NAL Call No.: SF1.K7).

1622

Behaviour of the cows in stanchion in relation to a group size.
Winnicki, S. Kirsch, J. Warszawa, Państwowe Wydawn. Rolnicze i Lesne. Roczniki naukowe zootechniki.= Polish journal of animal science and technology. 1980. v. 7 (2). p. 309-316. ill. 11 ref. (NAL Call No.: SF1.R6).

(ANIMAL ECOLOGY)

1623

Behaviour of young bulls after formation of a new group. Kovalcikova, M. Kovalcik, K. Bratislava, Priroda. Vedecké prace Vyskumneho ustavu zivocisnej výroby v Nitre - Vyskumný ustanoviteli zivocisnej výroby. 1980. v. 18. p. 33-42. 4 ref. (NAL Call No.: 49.9 N633).

1624

Biological forms of swine behavior. RUSSIAN. Pushkarskii, V.G. Moskva, "Kolos". Vestnik sel'skokhoziaistvennoi nauki. Aug 1978. Aug 1978. (8). p. 49-55. 10 ref. (NAL Call No.: 20 V633).

1625

Bull fattening in a semiopen-type fattening house with respect to the bull behavior. Czech. Zizlavsky, J. Urban, F.; Marton, K. Praha : Ustav. Zivocisna výroba - Ceskoslovenska akademie zemedelska, Ustav vedeckotechnickych informaci pro zemedelstvi. Sept 1983. v. 28 (9). p. 655-661. Includes references. (NAL Call No.: 49.9 C33).

1626

Changes in feeding behavior of laying hens with the rising environmental temperature. Japanese. Tanaka, T. Hirosawa, T.; Yoshimoto, T.; Mimura, K. Chiba-shi : Japan Poultry Science Association. Japanese poultry science. Mar 1984. v. 21 (2). p. 82-88. ill. Includes references. (NAL Call No.: 47.8 N57).

1627

Changes of feeding behaviour of laying hens with reduction in feeding time. Japanese. Tanaka, T. Yoshimoto, T.; Mimura, K. Tokyo : Nihon Chikusan Gakkai. Nihon Chikusan Gakkai ho = Japanese journal of zootechnical science. Dec 1983. v. 54 (12). p. 798-804. ill. Includes references. (NAL Call No.: 49 N62).

1628

The changes of heart rates in horses under the ordinary management in the livestock farm (Behavior). Nomura, K. Tokuriki, M.; Nomura, S. Tokyo, Japanese Society of Zootechnical Science. Nihon Chikusan Gakkai ho. = Japanese journal of zootechnical science. Dec 1980. v. 51 (12). p. 823-829. ill. 13 ref. (NAL Call No.: 49 N62).

1629

Comparative investigations into the well-being of fattening pigs. Dutch. TIDIA. Ruiterkamp, W.A. Utrecht : Nederlandse Maatschappij voor Diergeneeskunde. Tijdschrift voor diergeneeskunde. June 1, 1986. v. 111 (11). p. 520-528. Includes 20 references. (NAL Call No.: DNAL 41.8 T431).

1630

Considering the behavior of animals (Design of an experimental obstetric department for cows). Russian. Tokarev, N.ZHIVA. Moskva : Izdatel'stvo "Kolos". Zhivotnovodstvo. Oct 1981. Oct 1981. (10). p. 24-26. ill. (NAL Call No.: 49 Z6).

1631

Considering the higher nervous activity of livestock (Effect of behavior on milk productivity of cows). UKRAINIAN. Liesunova, N.H. Kyiv, Ministerstvo sil's'koho hospodarstva URSR. Tvarynnystvo Ukrayny. Sept 1979. Sept 1979. (9). p. 45. (NAL Call No.: 49 S0712).

1632

Contribution to resting behavior of dairy cows in the stanchion stable. GERMAN. Russi, Hans, 1946-. Zurich (s.n.) 1977. 59 p. : ill. --. Bibliography: p. 54-58. (NAL Call No.: SF603.U5 (1977 No.5)).

1633

Correlations between production parameters and social hierarchy of fattening pigs (Behavior). Hungarian. Kiraly, A. Wittmann, M. Budapest : Hirlapkiado Vallalat. Allattenyesztes es takarmanyozas = Animal breeding and feeding. 1983. v. 32 (1). p. 45-52. ill. Includes references. (NAL Call No.: 49 AL57).

1634

Correlational relationships between the behaviour and the physiological reaction of first-calf cows of different breeds at the same loading. Slovak. Kovalcinkova, M. Kovalcik, K.; Broucek, J. Bratislava, Czechoslovakia : Slovenskej akademia vied. Pol'nohospodarstvo = Agriculture. 1984. v. 30 (1). p. 41-49. Includes references. (NAL Call No.: 19.5 P752).

160

(ANIMAL ECOLOGY)

1635

Data on feeding behaviour of sheep. Hungarian.
Czako, J. Santha, T.; Gaal, M.; Ravasz, Mrs. T.; Bodis, Mrs. L. Budapest : Hirlapkiado Vallalat. Allattenyeszes es takarmanyozas = Animal breeding and feeding. 1982. v. 31 (6). p. 539-548. Includes references. (NAL Call No.: 49 AL57).

1636

Data on formation of harmful suckling among calves (Behavior). Hungarian.
Gere, T. ALTZA. Fazekas, D.; Patonai, J. Budapest, Hirlapkiado Vallalat. Allattenyeszes es takarmanyozas. = Animal breeding and feeding. 1981. v. 30 (3). p. 257-261. ill. 7 ref. (NAL Call No.: 49 AL57).

1637

Development of a test to study recognition of their young by mothers in horses (Discriminative behavior). French.
Leblanc, M.A. Bouissou, M.F. Paris, Masson. Biology of behaviour = Biologie du comportement. 1981. v. 6 (4). p. 283-290. ill. 11. Includes 2 p. ref. (NAL Call No.: QL750.B52).

1638

Development of several behavior patterns of heifers. Hungarian.
Gyorkos, I. Gere, T.; Smohai, T. Budapest : Hirlapkiado Vallalat. Allattenyeszes es takarmanyozas = Animal breeding and feeding. 1983. v. 32 (4). p. 321-327. ill. 11. Includes references. (NAL Call No.: 49 AL57).

1639

Development of the dominance order in Holstein heifers (Behavior, age, competition for food). Japanese
Kurosaki, Z. Sonoda, T.; Sato, K.; Matsumoto, Z.; Tanaka, H.; Nakamori, I. Tokyo, Japanese Society of Zootechnical Science. Nihon Chikusan Gakkai ho. = Japanese journal of zootechnical science. July 1981. v. 52 (7). p. 498-506. ill. 18 ref. (NAL Call No.: 49 N62).

1640

Development, physiological values and behavior in swine reared on flat decks. German.
Marx, D. Hildesheim, W. Ger., Arbeitsgemeinschaft Deutscher Tierzuchter. Der Tierzüchter. Apr 25, 1982. v. 34 (4). p. 166-169. 8 ref. (NAL Call No.: 49 T445).

1641

The dustbathing behaviour in the domestic fowl.
Bessei, W. Klinger, G. Stuttgart, W. Ger., Eugen Ulmer. Archiv fur Geflugelkunde. = European poultry science. = Revue de science avicole europeenne. June 1982. v. 46 (3). p. 130-135. 1 p. ref. (NAL Call No.: 47.8 AR2).

1642

The effect of a change in environment of the behavior of the first-calvers of the Black-Pied Lowland breed. Slovak.
Brestensky, V. Praha : Ustav. Zivocisna výroba - Československa akademie zemedelska, Ustav vedeckotechnickych informaci pro zemedelstvi. Jan 1984. v. 29 (1). p. 43-49. Includes references. (NAL Call No.: 49.9 C33).

1643

Effect of a tryptophan load on the cortico-suprarenal reaction and behavior of swine to aggression. FRENCH.
Mormede, P. Dantzer, R. Paris, Masson. Comptes rendus des séances de la Société de biologie et de ses filiales. Société de biologie. 1979. v. 173 (3). p. 569-575. ill. 17 ref. (NAL Call No.: 442.9 P21).

1644

Effect of behaviour on colostral immunity acquisition in sucking calves.
Tshibangu, M.L. Chauvaux, G.; Fumiere, I.; Lomba, F.; Bienfet, V. Bruxelles, Personnel enseignant et scientifique de la faculte de medecine veterinaire, Universite de Liege. Annales de medecine veterinaire. 1980. v. 124 (5). p. 361-368. Bibliography p. 367-368. (NAL Call No.: 41.8 AN78).

1645

Effect of commercial technology on animal behavior (Cows). Russian.
Venediktova, T.N. Karavaeva, E.A. Dubrovitsy : Institut. Trudy - Vsesoiuznyi nauchno-issledovatel'skii institut zhivotnovodstva. 1980. v. 40. p. 104-111. ill. (NAL Call No.: 49.9 R92).

1646

Effect of confinement on the behavior of dry sows. I. Rhythm of day and night and stereotyped bar-biting.
Jensen, P. Stockholm, Sveriges veterinärforbund. Svensk veterinärtidning. Feb 1981. v. 33 (4). p. 73-78. ill. 18 ref. (NAL Call No.: 41.9 SV23).

(ANIMAL ECOLOGY)

1647

Effect of confinement on the behavior of dry sows. II. Behavior of sows in stalls and social behavior (compared with loose-housed stock).
Jensen, P. Stockholm, Sveriges veterinärforbund. Svensk veterinartidning. Mar 1981. v. 33 (5). p. 108-115. 8 ref. (NAL Call No.: 41.9 SV23).

1648

Effect of crossbreeding on the thermoregulatory behavior of pigs (Breeds, tropical conditions, Brazil). Portuguese.
Macari, M.CCUPA. Sao Paulo : A Sociedade Ciencia e cultura - Sociedade Brasileira para o Progresso da Ciencia. Aug 1983. v. 35 (8). p. 1146-1151. ill. Includes references. (NAL Call No.: Q33.C5).

1649

Effect of experience on the behaviour of the small chick (*Gallus domesticus*) in the open field. FRENCH.
Faure, J.M. Paris, Masson. Biology of behaviour. = Biologie du comportement. 1979. v. 4 (3). p. 241-248. ill. 10 ref. (NAL Call No.: QL750.B52).

1650

Effect of factors of management on the production and behaviour of cows of different genotype. Hungarian.
Czako, J. ALTZA. Dohy, J.; Guba, S.; Pojtnér, M.; Santha, Mrs. T. Budapest, Hirlapkiado Vallalat. Allattenyesztes es takarmanyozas. = Animal breeding and feeding. 1981. v. 30 (3). p. 225-237. ill. 14 ref. (NAL Call No.: 49 AL57).

1651

Effect of keeping technology on growth rate and behaviour of calves. Hungarian.
Santha, T. ALTZA. Czako, J. Budapest, Hirlapkiado Vallalat. Allattenyesztes es takarmanyozas. = Animal breeding and feeding. 1982. v. 31 (2). p. 131-136. 10 ref. (NAL Call No.: 49 AL57).

1652

Effect of lighting of the cow-house on the calves' behavior. German.
Dannenmann, Karin, 1953-. Hohenheim (s.n.) 1981. Includes vita. 83 p. : ill. ; 21 cm. -- Bibliography: p. 71-83. (NAL Call No.: 105.8 H686D (1981 no. 94)).

1653

Effect of monoaminergic system and corticosteroids on group behavior of cockerels. 1. Effect of the blockade of adrenergic receptors. Russian.
Sivickiene, J. Vilnius : Akademija. Darbai - Lietuvos TSR Mokslu Akademijos. Serija C = Trudy - Akademija Nauk Litovskoi SSR. Seria V. 1984. v. 3. p. 97-104. Includes 7 references. (NAL Call No.: DNAL 511 AK192D).

1654

Effect of pig housing environment on pig efficiency and behavior. Czech.

SVSBD. Hovorka, F. Zarecky, M. Praha : Vysoka Skola Zemedelska. Sbornik. Rada B: Zivocisna výroba - Prague, Vysoka skola zemedelska, Fakulta agronomicka. 1985. 42. p. 247-262. Includes references. (NAL Call No.: DNAL SF1.P7).

1655

Effect of plastic finish of bedding on the behaviour of pregnant sows and the attrition of hoof horny sole. Polish.
RNZOD. Pilarczyk, A. Mroz, A. Warszawa : Panstwowe Wydawn. Rolnicze i Lesne. Roczniki naukowe zootechniki = Polish journal of animal science and technology. 1984. v. 11 (1). p. 185-193. Includes references. (NAL Call No.: DNAL SF1.R6).

1656

Effect of restricted space and diverse microclimatic conditions on the behaviour and productivity of broiler chickens (Housing). Polish.

Herbut, E. Wezyk, S. Krakow : Zaklad Narodowy im. Ossolinskich. Acta agraria et silvestria. Series zootechnica. 1982. v. 21. p. 3-10. Includes references. (NAL Call No.: 49 AC8).

1657

Effect of slatted floors on the behavior of fattened lambs. Slovak.

ZIVYA. Kuran, J. Piko, P.; Knazovicky, F. Praha : Ustav. Zivocisna výroba - Ceskoslovenska akademie zemedelska, Ustav vedeckotechnickych informaci pro zemedelstvi. June 1985. v. 30 (6). p. 565-572. Includes references. (NAL Call No.: DNAL 49.9 C33).

(ANIMAL ECOLOGY)

1658

Effect of social stimulation on feeding behaviour in the domestic duck. Japanese.
Matsuzawa, Y. Ibaraki-ken, The Faculty.
Gakujustu hokoku = Scientific reports of the Faculty of Agriculture, Ibaraki University. Oct 1980. Dct 1980. (28). p. 39-51. illl. Includes 32 ref. (NAL Call No.: S303.A1I2).

1659

Effect of the epiphyseal extract Epigen on the aggressive behavior of fattened bulls in double blank test. GERMAN.
Mechow, A. Revermann, T. Hannover,
Bundesverband praktischer Tierarzte. Der praktische Tierarzt. Apr 1, 1980. v. 61 (4). p. 317-318. illl. 12 ref. (NAL Call No.: 41.8 P882).

1660

Effect of the number of growing piglets per cage on their growth, feed conversion and behavior. Bulgarian.
Benkov, M. Kirov, M. Sofiia : Bulgarska akademia na naukite. Zhivotnovudni nauki = Animal science. 1984. v. 21 (1). p. 59-63. Includes references. (NAL Call No.: 49 Z65).

1661

Effects of a controlled light regime on the behaviour of young pigs reared in deck cages. CZECH.
Smisek, V. Adamek, J. Brno. Acta ... Sbornik. Rada A: Spisy Fakulty agronomicke Brno. Vysoka skola zemedelska. 1977. v. 25 (3). p. 157-163. illl. 7 ref. (NAL Call No.: S13.B7).

1662

Effects of aeroplane noise on production, reproduction and behavior of farm livestock.
Stephan, E. Heuwieser, W. Berlin, W. Ger., Paul Parey. Zentralblatt fur Veterinarmedizin. Reihe A. June 1982. Literature review. v. 29 (3). p. 157-169. 3 p. ref. (NAL Call No.: 41.8 Z5).

1663

Effects of heating with a lightless ceramic heater on rearing and behaviour of suckling piglets. Polish.
Pilarczyk, A. Jenike, R.; Rojek, K. Warszawa : Panstwowe Wydawn. Rolnicze i Lesne. Roczniki naukowe zootechniki = Polish journal of animal science and technology. 1982. v. 9 (1). p. 333-345. Includes references. (NAL Call No.: SF1.R6).

1664

Effects of housing methods of weaning sows on their behavior during inseminations and on the farrowing rate. Slovene.
Stuhec, I. Salehar, A.; Dresnik, A.; Stuhec, V.; Kovac, M. Ljubljana, Fakulteta. Zbornik Biotehniške fakultete univerze Edvarda Kardeleja v Ljubljani : Kmetijstvo. 1980. v. 35. p. 25-40. illl. 29 ref. (NAL Call No.: 21.5 Z15).

1665

Effects of restriction of resting spaces in open barns on the behavior of dairy cows. German.
Wierenga, H.K. Hildesheim, W. Ger. : Arbeitsgemeinschaft Deutscher Tierzüchter. Der Tierzüchter. Nov 25, 1982. v. 34 (11). p. 473-474. Includes references. (NAL Call No.: 49 T445).

1666

Ethological aspects of milking cows on complexes (Effect of machinery on animal behavior). Belorussian.
Pliashchanka, S.I. Trafimau, A.F. Minsk : "Navuka i tekhnika". Vestsi Akademii navuk BSSR = Izvestiia Akademii nauk BSSR. Seria sel'skokhoziaistvennykh navuk. 1982. 1982. (3). p. 101-104. (NAL Call No.: 20 M66).

1667

Ethological studies on groups of the Gottingen miniature pig (Behaviour).
Sippel, R.A. Oldigs, B. Hannover, W. Ger., M. & H. Schaper. Deutsche tierärztliche Wochenschrift. Mar 8, 1982. v. 89 (3). p. 97-104. illl. 1 p. ref. (NAL Call No.: 41.8 D482).

1668

Ethology--Critique (Caged chickens, behavior).
DANISH.
Petersen, V.E. Kobenhavn, Danmarks Jordbrugsvidenkabelige Kandidatforbund. Ugeskrift for jordbrug. Feb 1, 1979. v. 124 (5). p. 107-108, 117. (NAL Call No.: S11.U35).

1669

Evaluation of milk sucking and tongue rolling on the basis of a questionnaire inquiry among 24 problem dairy herds. Danish.
DAVED. Simonsen, H.B. Kobenhavn : Danske Dyrlægeforening. Dansk veterinaertidsskrift. Aug 1, 1983. v. 66 (15). p. 669-671. illl. Includes 5 references. (NAL Call No.: DNAL 41.9 D23).

163

(ANIMAL ECOLOGY)

1670

Evolution of behaviour during a long open-field test in chicks. FRENCH.
Faure, J.M. Paris, Masson. Biology of behaviour. = Biologie du comportement. 1980. v. 5 (1). p. 29-35. ill. 6 ref. (NAL Call No.: QL750.B52).

1671

Examination of learning of milking cows in large-scale dairy unit (Behavior). Hungarian.
Pojtner, M. Szucs, E.; Keszthelyi, T. Budapest : Hirlapkiado Vallalat. Allattenyesztes es takarmanyozas = Animal breeding and feeding. 1983. v. 32 (3). p. 275-278. ill. Includes references. (NAL Call No.: 49 AL57).

1672

Factors influencing the hygienic behavior of pigs. HUNGARIAN.
Wittmann, M. Papp, J. Budapest, Hirlapkiado Vallalat. Allattenyesztes. = Animal breeding. 1979. v. 28 (1). p. 53-62. ill. 4 ref. (NAL Call No.: 49 AL57).

1673

Farrowing behavior and communication between sow and piglets (a review). Swedish.
Jensen, P. Stockholm, Sveriges veterinärforbund. Svensk veterinartidning. Oct 1981. Literature review. v. 33 (19). p. 505-515. ill. 25 ref. (NAL Call No.: 41.9 SV23).

1674

Feeding behavior of laying hens fed pellets, crumbles or mash feed. Japanese.
Tanaka, T. Yoshimoto, T.; Mimura, K. Tokyo : Nihon Chikusan Gakkai. Nihon Chikusan Gakkai ho = Japanese journal of zootechnical science. July 1983. v. 54 (7). p. 433-438. ill. Includes references. (NAL Call No.: 49 N62).

1675

Feeding behaviour of caged hens. German.
StrempeI, W. ARTZA. Berlin, E. Ger. : Akademie der Landwirtschaftswissenschaften der Deutschen Demokratischen Republik. Archiv fur Tierzucht. 1983. v. 26 (1). p. 69-77. ill. Includes references. (NAL Call No.: 49 AR23).

1676

Feeding of ducks according to their eating behavior. German.
TIZUA. Reiter, K. Berlin, E. Ger. : Akademie der Landwirtschaftswissenschaften der DDR. Tierzucht. Sept 1984. v. 38 (9). p. 402-403. ill. (NAL Call No.: DNAL 49 T443).

1677

Frequency of activity of fattening bulls reared on slatted floors (Behavior). GERMAN.
Andreae, U. Braunschweig, Bundesforschungsanstalt fur Landwirtschaft. Landbauforschung Volkenrode. 1979. 1979. (special no.48). p. 89-94. 1 ref. (NAL Call No.: 18 L2353).

1678

Genetic analysis of open field behaviour of the young chick (*Gallus gallus domesticus*). French.
Faure, J.M. AGOSA. Paris : Institut national de la recherche agronomique. Annales de genetique et de selection animale. 1982. Literature review. v. 14 (2). p. 187-212. 54 ref. (NAL Call No.: QH431.A1A52).

1679

Genetic analysis of the open-field behavior of the young chick (*Gallus gallus domesticus*). Serbo-Croatian (Roman).
Faure, J.M. VTRNA. Sarajevo : NISRO Oslobodenje. Veterinaria : zbornik radova iz oblasti animalne proizvodnje = Periodical on the animal production. 1981. v. 30 (3/4). p. 499-525. ill. 51 ref. (NAL Call No.: 41.8 V6494).

1680

Genetic principles of poultry behaviour. Russian.
Sergeeva, V.D. Moskva : "Kolos". Sel'skoe khoziaistvo za rubezhom. Jan 1981. Jan 1981. (1). p. 50-53. Includes references. (NAL Call No.: S13.S45).

1681

Good environments for cows (Behavior, housing). French.
Maton, A. Paris : Compagnie generale de developpement. L'Elevage bovin. Mar 1984. Mar 1984. (137). p. 55-58. ill. (NAL Call No.: SF1.E42).

(ANIMAL ECOLOGY)

1682

Health and behavior of early weaned piglets kept in cages (Includes traumatic injuries).
Algiers, B. Stockholm, Sveriges
veterinarforbund. Svensk veterinartidning. Feb
1981. v. 33 (3). p. 44-52. ill. 14 ref. (NAL
Call No.: 41.9 SV23).

1683

The health and behaviour of dairy cows on different types of bedding.
Pilarczyk, A. Poloczek, R. Warszawa, Panstwowe
Wydawn. Rolnicze i Lesne. Roczniki naukowe
zootechniki Polish journal of animal science
and technology. 1979. v. 6 (1). p. 303-312.
ill. 9 ref. (NAL Call No.: SF1.R6).

1684

Humane rearing systems for poultry. German.
Petersen, J. Bonn, W. Ger. : Der Fakultat.
Vortrage - Hochschultagung der
Landwirtschaftlichen Fakultat der Universitat
Bonn. 1983. (36th). p. 73-78. Includes 8
references. (NAL Call No.: DNAL 27 H652).

1685

Humane rearing techniques in swine production.
German.
Finke, K. Bonn, W. Ger. : Der Fakultat.
Vortrage - Hochschultagung der
Landwirtschaftlichen Fakultat der Universitat
Bonn. 1983. (36th). p. 61-71. ill. Includes 16
references. (NAL Call No.: DNAL 27 H652).

1686

I. Study of the etiology of pigs on the principle of the habituation test. Slovak.
POLNA. Hladky, V. Banksos, S. Bratislava,
Czechoslovakia : Slovenskej akademia vied.
Pol'nohospodarstvo = Agriculture. 1984. v. 30
(2). p. 152-162. Includes 4 references. (NAL
Call No.: DNAL 19.5 P752).

1687

Impact of technological factors on milk production and behaviour of cows. II. Effect of change of size of feeding place on milk production and behaviour of cows. Hungarian.
Czako, J. ALTZA. Dohy, J.; Guba, S.; Pojtner,
M.; Santha, Mrs. T. Budapest, Hirlapkiado
Vallalat. Allattenyeszes es takarmanyozas. =
Animal breeding and feeding. 1981. v. 30 (4).
p. 297-303. 9 ref. (NAL Call No.: 49 AL57).

1688

Inborn and barn-adapted rest behavior in dairy cows. German.
Andreae, U.. Regier, R.; Smidt, D. Hildesheim,
W. Ger. : Arbeitsgemeinschaft Deutscher
Tierzüchter. Der Tierzüchter. Nov 25, 1982. v.
34 (11). p. 466, 471-472. ill. Includes
references. (NAL Call No.: 49 T445).

1689

The influence of aircraft noise on the productivity of chickens, mortality and types of behaviour. German.
Rhein, Bodo von. Hannover (s.n.) 1983. English
summary. 90 p. : ill ; 21 cm. --. Bibliography:
p. 85-90. (NAL Call No.: 41.2 H198 1983
(no.114)).

1690

Influence of light intensity on weight gains and behavior of feeder lambs. Slovak.
Fabo, J.ZIVYA. Praha : Ustav. Zivocisna výroba
- Ceskoslovenska akademie zemedelska, Ustav
vedeckotechnickych informaci pro zemedelstvi.
June 1983. v. 28 (6). p. 431-438. Includes
references. (NAL Call No.: 49.9 C33).

1691

Influence of overcrowding in box stalls on the behavior of dairy cows (Netherlands). Dutch.
Wierenga, H.K.BDWKA. Den Haag : Ministerie van
Landbouw en Visserij. Bedrijfsontwikkeling.
July/Aug 1982. v. 13 (7). p. 627-631. ill. (NAL
Call No.: S11.B43).

1692

The influence of selection in different management systems on performance, behavior and physiological parameters of laying hens. 1. German.
Scholtysek, S. Gschwindt-Ensinger, B.; Bessei,
W. Stuttgart, W. Ger. : Eugen Ulmer. Archiv fur
Geflügelkunde = European poultry science =
Revue de science avicole europeenne. June 1983.
v. 47 (3). p. 110-123. ill. Includes
references. (NAL Call No.: 47.8 AR2).

1693

Influence of the Lorenzian theory of instinctive behaviour in the discussion about adequate rearing conditions in the domestic fowl. German.
Bessei, W.ZUECA. Stuttgart, W. Ger. : Eugen
Ulmer. Zuchungskunde. May/June 1983. v. 55
(3). p. 222-232. ill. Includes references. (NAL
Call No.: 49 Z8).

165

(ANIMAL ECOLOGY)

1694

Influence of the season on the feeding behaviour of sheep receiving green forage in a wet tropical zone (Guadeloupe). FRENCH.
Michalet-Doreau, B. Xande, A. Paris, Institut national de la recherche agronomique. Annales de zootechnie. 1979 (pub. 1980). v. 28 (4). p. 381-392. ill. 15 ref. (NAL Call No.: 49 F84).

1695

An inquiry into the social behavior of dairy cows under the large-scale production system. Macha, J. Dvorak, J.; Masek, N.; Kalina, J. Brno, Vysoka skola zemedelska. Acta Universitatis Agriculturae. Facultas Agronomica. 1980. v. 28 (2). p. 161-167. 10 ref. (NAL Call No.: S13.B7).

1696

Investigation of methods of maintaining laying hens, with a consideration of ethological aspects (Behavior, chickens, humane treatment, Europe, West Germany). German.
Wegner, R.M. LVDEA. Braunschweig, W. Ger. : Forschungsanstalt fur Landwirtschaft. Landbauforschung Volkenrode. 1982. v. 32 (3). p. 162-166. Includes references. (NAL Call No.: 18 L2353).

1697

Investigation of the daily activity of early weaned piglets (Behavior). BULGARIAN.
Benkov, M. Borisova, L. Sofiia, Bulgarska akademiiia na naukite. Zhivotnovudni nauki. 1977. v. 14 (8). p. 98-104. ill. 13 ref. (NAL Call No.: 49 Z65).

1698

Investigations on the behavior of normal and dw (dwarf)-chicken in open-field and individual cages regarding to growing capacity and feed conversion. French.
El-Attar, M. Merat, P.; Bordas, A. Stuttgart, W. Ger. : Eugen Ulmer. Archiv fur Geflugelkunde = European poultry science = Revue de science avicole europeenne. June 1983. v. 47 (3). p. 90-95. Includes references. (NAL Call No.: 47.8 AR2).

1699

Is overcrowding defensible? (Cows, behavior, loose housing). Danish.
Konggaard, S.P. NOJQA. Oslo : Nordiske jordbruksforskernes forening. Nordisk jordbrugsforskning. 1983. v. 65 (4). p. 583. (NAL Call No.: 11 N752).

1700

Life and behavior of our domestic poultry. German.
Engelmann, C. Melsungen : Neumann-Neudamm, 1984. Includes index. 196 p. : ill. (some col.) ; 25 cm. Bibliography: p. 189-194. (NAL Call No.: DNAL SF487.E5 1984).

1701

Living things in eastern Siberia. Japanese. Tamanuki, Koichi, 1903-. Tokyo Kokusho Kankokai Showa 55 (1980). 260 p. : ill., photographs ; 22 cm. (NAL Call No.: QL300.T3).

1702

Maternal behavior of ruminants and its effect on vitality and survival of lambs and calves. French.

Le Neindre, P. Poindron, P. Paris : Institut national de la recherche agronomique, 1984. Physiologie et pathologie perinatales chez les animaux de ferme : exposes XIVe journées du Grenier de Theix, 15-17 december 1982, Centre de recherches zootechniques et vétérinaires de Theix / ouvrage. Paper presented at the "XIVth Grenier de Theix Study Days," December 15-17, 1982 at Theix.~ Literature review. p. 61-79. Includes references. (NAL Call No.: DNAL SF887.J6 1982).

1703

Microclimate, swine productivity and behavior. Russian.
Semeniuta, A.T. IAgudin, R.G. Moskva : "Kolos". Se1'skoe khoziazstvo za rubezhom. Jan 1981. Jan 1981. (1). p. 60-63. ill. Includes references. (NAL Call No.: S13.S45).

1704

More cows in relation to the number of stalls for behavior observations. Polish.
Winnicki, S. Karkoszka, J.A.; Stadnicki, T. Wroclaw : Panstwowe Wydawn. Naukowe. Roczniki naukowe zootechniki. Monografie i rozprawy. 1983. 1983. (21). p. 3-16. ill. Includes references. (NAL Call No.: SF1.R63).

1705

Mutual sucking and self-sucking of adult breeding cows as a token of abnormal behaviour (Czechoslovakia). Czech.
Hintaus, J. Praze : Vysoka skola zemedelska. Sbornik - Provozne ekonomicke fakulty v ceskych Budejovicich. Biologicka rada. 1981 (pub. 1982). v. 19 (special). p. 65-76. Includes references. (NAL Call No.: HD1940.C95P74).

(ANIMAL ECOLOGY)

1706

Observation of some essential behavior patterns of laying hens kept in battery cages with a different floor area by video recording technique. German.

Tebbe, Verena. 1980-. Munchen : s.n. , 1984. English summary.~ Includes vita. 104 p. : ill. ; 21 cm. -- Bibliography: p. 86-103. (NAL Call No.: DNAL 41.2 M9222 1984 no.130).

1707

Observation on the rearing behavior of the domestic duck. Japanese.
Matsuzawa, Y. Sugimura, M.; Fujita, M. Chiba-shi : Japan Poultry Science Association. Japanese poultry science. Sept 1983. v. 20 (5). p. 312-318. ill. Includes references. (NAL Call No.: 47.8 N57).

1708

Observations on some aspects of motor activity of cows at pasture and in loose-housing (Behavior, grazing). Italian.
Cicogna, M.ZNAND. Greppi, G.; Rosi, F. Bologna : Edagricole. Zootecnica e nutrizione animale. June 1982. v. 8 (3). p. 213-219. ill. 5 ref. (NAL Call No.: SF1.26).

1709

Occurrence and effects of feed competition in calves during the nursing period (Behavior). German.
Rieger, E. Scharf, R.; Schmoldt, P.; Koch, S. Berlin, E. Ger. : Akademie der Landwirtschaftswissenschaften der DDR. Tierzucht. Oct 1983. v. 37 (10). p. 443-445. (NAL Call No.: 49 T443).

1710

The order of entry of cows into a milking parlour and moving in the holding area (Dairy cattle behavior). Japanese.
Suzuki, S.KDGSA. Hidari, H.; Saito, Y.; Sakaguchi, A. Obihiro : Obihiro Chikusan Daigaku. Gakujutsu kenkyu hokoku= Research bulletin of Obihiro University. Series I. Aug 1982. v. 12 (4). p. 317-321. Includes references. (NAL Call No.: 513 OB3).

1711

Peculiarities of the behavior of pedigree sows with different degree of adaptation to the conditions of a commercial complex. Russian.
Malyshev, B.T.SSBLA. Shcherbakova, G.P. Moskva : "Kolos". Sel'skokhozaiistvennaya biologiya. Nov/Dec 1981. v. 16 (6). p. 906-911. Includes references. (NAL Call No.: S13.S44).

1712

Place in the hierarchy, sexual behavior and performance and their interactions in the loose keeping of bulls for fattening. Hungarian.
Szucs, E. ALTZA. Szollosi, I.; Bozo, A.; Mocsi, Z.; Gosztola, F. Budapest, Hirlapkiado Vailalat. Allattenyeszes es takarmanyozas. = Animal breeding and feeding. 1981. v. 30 (4). p. 305-310. 23 ref. (NAL Call No.: 49 AL57).

1713

Poultry feeding and behavior (Review). Russian.
Sergeev, V.A. Sergeev, V.D. Moskva : "Kolos". Sel'skoe khozaiystvo za rubezhom. Aug 1980. Literature review. Aug 1980. (8). p. 38-41. 36 ref. (NAL Call No.: S13.S45).

1714

Preliminary study of interrelations between cows and calves of Bulgarian Grey breed (Animal behavior). Bulgarian.
Tomova, I. Shabalina, A.; Gorinov, IA.; Mladenov, M.V. Sofiia : Bulgarska akademiiia na naukite. Zhivotnovudni nauki = Animal science. 1984. v. 21 (2). p. 14-21. ill. Includes 9 references. (NAL Call No.: 49 Z65).

1715

Principal forms of farm animal behaviour. Review article. Hungarian.
Bokori, J.MGALA. Budapest, Magyar Agrartudomanyi Egyesulet. Magyar allatorvosok lapja = Hungarian veterinary journal. Nov 1981. v. 36 (11). p. 723-729. 19 ref. (NAL Call No.: 41.8 V644).

1716

Productivity of cows affected by their transfer to complexes at different stages of lactation (Establishment of dairy cattle herds, behavior aspects). Russian.
Petrusha, E. Moskva : "Kolos". Molochnoe i miasnoe skotovodstvo. June 1981. June 1981. (6). p. 10-11. (NAL Call No.: 43.8 M73).

1717

Provision of slaughter swine with compost (as a feed supplement) for improving their wellbeing (Behavior).
Kerk, P. van de. Bure, R.G.; Uum, W. van. Den Haag, Ministerie van Landbouw en Visserij. Bedrijfsontwikkeling. Jan 1981. v. 12 (1). p. 45-47. ill. (NAL Call No.: S11.B43).

(ANIMAL ECOLOGY)

1718

Psychology and behavior of horses. GERMAN.
Blendinger, Wilhelm. Berlin Parey 1980.
Includes index. 366 p. : ill. Bibliography: p. 339-348. (NAL Call No.: QL737.U62B5 1980).

1719

Quantifying well-being in farm animals
(Ethological methods, behavior, husbandry).
Putten, G. van. Utrecht, Nederlandse
Maatschappij voor Diergeneeskunde. Tijdschrift
voor diergeneeskunde. Feb 1, 1981. v. 106 (3).
p. 106-118. ill. 8 ref. (NAL Call No.: 41.8
T431).

1720

Random sample procedures for group studies
(Animal behavior, dairy cows). GERMAN.
Suss, M. Braunschweig, Bundesforschungsanstalt
fur Landwirtschaft. Landbauforschung
Volkenrode. 1979. 1979. (special no.48). p.
48-54. ill. (NAL Call No.: 18 L2353).

1721

Reaction of cows to limiting the space at the
feeding table in stables with loose housing.
Slovene.
ZBFVA. Bertoncelj, M. Ljubljana : Fakulteta.
Zbornik Biotehniške fakultete univerze Edvarda
Kardelja v Ljubljani : Kmetijstvo. 1983. v. 42.
p. 33-83. Includes 90 references. (NAL Call
No.: DNAL 21.5 Z15).

1722

Rearing fattening steers on slatted floors
(Includes behavior). GERMAN.
Graf, B. Braunschweig, Bundesforschungsanstalt
fur Landwirtschaft. Landbauforschung
Volkenrode. 1979. 1979. (special no.48). p.
73-88. ill. (NAL Call No.: 18 L2353).

1723

Rearing method and sucking behavior in cattle
(Behavioral disturbance, cows, udder sucking,
Netherlands). Dutch.
Geer, D. van deBDWKA. Grommers, F.J. Den Haag :
Ministerie van Landbouw en Visserij.
Bedrijfsontwikkeling. May 1983. v. 14 (5). p.
387-388. (NAL Call No.: S11.B43).

1724

Relationship between social behavior and
reproduction in swine. German.
Ladewig, J. LVOEA. Braunschweig, W. Ger. :
Forschungsanstalt fur Landwirtschaft.
Landbauforschung Volkenrode. 1982. v. 32 (3).
p. 177-179. ill. Includes references. (NAL Call
No.: 18 L2353).

1725

Research methods in ethological observation on
young pigs and piglets. German.
Bergenthal-Menzel-Severing, Ursula. Bonn :
s.n., 1983. 237 p. : ill. ; 21 cm. --.
Bibliography: p. 182-204. (NAL Call No.: DNAL
SF395.B4).

1726

Research on the effect of different
illumination colors of buildings on the
behaviour and production of the pigs.
Hungarian.

Mikolai, F. Kaltenecker, J. Budapest :
Hirlapkiado Vallalat. Tudomany es mezogazdasag.
Sept/Oct 1982. v. 20 (5). p. 43-50. Includes
references. (NAL Call No.: S560.T8).

1727

Research procedures of different rearing
systems of laying hens. German.
Sodeikat, Gunter. Frankfurt (Main) : R.G.
Fischer, 1983. 182 p. : ill. (some folded) : 21
cm. Bibliography: p. 99-107. (NAL Call No.:
DNAL SF493.5.S6).

1728

Rest behavior and some activities of fattening
calves in the modern rearing system. GERMAN.
Reissig-Berner, Friederike, 1950-. (Hohenheim
s.n.) 1979. English summary ~Includes vita. 105
p. : ill. --. Bibliography: p. 89-93. (NAL Call
No.: 105.8 H686D (1979, no.28)).

1729

Resting behavior and other activities of calves
fattened in modern systems of maintenance
(Fattening performance, housing). German.
Reissig-Berner, F. Bogner, H.; Hinrichsen,
J.K.; Averdunk, G.; Peschke, W.; Fuseder, J.
Munchen, BLV Verlagsgesellschaft. Bayerisches
landwirtschaftliches Jahrbuch. 1982. v. 59 (1).
p. 30-73. ill. 1 p. ref. (NAL Call No.: 18
L24).

(ANIMAL ECOLOGY)

1730

Results of qualitative and quantitative studies on behavior, performance and physiological-anatomical status of laying hens in different rearing systems (barnyard, floor and cage rearing). German.

Wegner, R.M. Hildesheim, W. Ger. : Arbeitsgemeinschaft Deutscher Tierzüchter. Der Tierzüchter. Oct 25, 1982. v. 34 (10). p. 416-418. (NAL Call No.: 49 T445).

1731

Role of endocrine glands in the aggressive behavior of hens during the period of postnatal development. 2. Thyroid gland. Russian.

Kuosaite, B. Dzingaitė, S.; Pabrezaite, R.; Petrikas, J.; Rimkutė, E. Vilnius : Akademija. Darbai - Lietuvos TSR Mokslu Akademijos. Serija C = Trudy - Akademija Nauk Litovskoi SSR. Seria V. 1980. 1980. (3). p. 105-110. 17 ref. (NAL Call No.: 511 AK192D).

1732

Role of endocrine glands in the aggressive behavior of hens during the postnatal period of development. Russian.

Rimkutė, E. Vilnius : Akademija. Darbai - Lietuvos TSR Mokslu Akademijos. Serija C = Trudy - Akademija Nauk Litovskoi SSR. Seria V. 1983. v. 3. p. 99-104. Includes 27 references. (NAL Call No.: DNAL 511 AK192D).

1733

Selection of resting place and territorial arrangement of growing bulls of different age groups (Behavior). Hungarian.

Borsi, J. ALTZA. Budapest, Hirlapkiado Vallalat. Allattenyeszet es takarmanyozas. = Animal breeding and feeding. 1981. v. 30 (3). p. 283-287. 3 ref. (NAL Call No.: 49 AL57).

1734

Serum behavior of some transaminases in the pig after a short transport. ITALIAN.

Borrello, S. Omero, A. Milano, Universita degli Studi di Milano. Archivio veterinario italiano. Dec 31, 1978. v. 29 (5/6). p. 132-135. ill. 51 ref. (NAL Call No.: 41.8 AR25).

1735

Sex behavior of animal species from zootechnical point of view (Cattle, swine, goats, sheep). Spanish.

Orihueta Trujillo, A. Polanco Jaime, A. Chapingo, Mexico, Universidad Autonoma Chapingo. Chapingo. Sept/Dec 1980. Sept/Dec 1980. (25/26). p. 60-66. ill. 17 ref. (NAL Call No.: 102 C36).

1736

Side covering of automatic feed concentrate dispensers influences the behavior of dairy cows. GERMAN.

Irps, H. Munchen, BLV Verlagsgesellschaft. DLZ. Nov 1979. v. 30 (11). p. 1538, 1540-1541. ill. (NAL Call No.: 58.8 T677).

1737

Social behavior and reproduction performance in the pig. German.

Ladewig, J. ZUECA. Stuttgart, W. Ger. : Eugen Ulmer. Zuchungskunde. Sept/Oct 1982. v. 54 (5). p. 350-353. Includes references. (NAL Call No.: 49 Z8).

1738

Social behavior of calves. GERMAN.

Steinel, Herbert, 1945-. Munchen (s.n.) 1977. 55 p. : ill. --. Bibliography: p. 48-55. (NAL Call No.: 41.2 M9222 (1977 No.64)).

1739

Social behavior of cows in loose housing. Danish.

Krohn, C.C.NOJOA. Oslo : Nordiske Jordbruksforskere forening. Nordisk Jordbruksforskning. 1983. v. 65 (4). p. 582. (NAL Call No.: 11 N752).

1740

The social behavior of cows in pasture after being tied in stall during winter.

Sambraus, H.H. Stuttgart, Eugen Ulmer. Zuchungskunde. Nov/Dec 1980. v. 52 (6). p. 429-437. 6 ref. (NAL Call No.: 49 Z8).

1741

Social behavior of swine: significance for the practice (Netherlands).

Hoogerbrugge, A. Den Haag, Ministerie van Landbouw en Visserij. Bedrijfsontwikkeling. July/Aug 1980. v. 11 (7/8). p. 670-673. 4 ref. (NAL Call No.: S11.B43).

1742

Social facilitation of feeding behaviour in chick. Japanese.

Matsuzawa, Y. Horikoshi, T. Tokyo, Japan Poultry Science Association. Nihon Kakin Gakkai shi = Japanese poultry science. Nov 1981. v. 18 (6). p. 319-327. ill. Includes 19 ref. (NAL Call No.: 47.8 N57).

(ANIMAL ECOLOGY)

1743

Some aspects relating to the behavior of all young calves. FRENCH.
Le Neindre, P. Beaumont, Le Centre. Bulletin technique - Centre de recherches zootechniques de Theix. Sept 1981. Sept 1981. (41). p. 33-38. ill. 6 ref. (NAL Call No.: SF602.B3C4).

1744

Some observations on the incubation behaviour of the domestic duck. Japanese.
Matsuzawa, Y. Fujita, M.; Sugimura, M. Tokyo, Japan Poultry Science Association. Nihon Kakin Gakkai shi = Japanese poultry science. Nov 1981. v. 18 (6). p. 335-341. Includes 27 ref. (NAL Call No.: 47.8 N57).

1745

Some observations on the nest building behaviour of the domestic duck. Japanese.
Matsuzawa, Y. Sugimura, M. Tokyo, Japan Poultry Science Association. Nihon Kakin Gakkai shi = Japanese poultry science. Nov 1981. v. 18 (6). p. 313-318. ill. Includes 15 ref. (NAL Call No.: 47.8 N57).

1746

Stabilization of behavior of young Romania Brown breed cows on pasture (Romania, effects of grazing at various altitudes and seasons on liveweight gain).
Mihai, G. Serban, D.; Barbura, T.; Stoica, O. Cluj-Napoca, (s.n.), 1980. Lucrarile sectiei de ameliorare si tehnologie de crestere la taurina si ovine / (colectiv de redactie Petre Adrian, Velea Constantin ; sef lucr. Morar Roman ; tehnoredactor: Sopa Sorin). Simpozionul "Probleme de Ameliorare, Tehnologie de Crestere si Patologie la Taurina si Ovine" (1979 : Cluj-Napoca, Rumania). p. 121-128. ill. 4 ref. (NAL Call No.: SF201.S53).

1747

Stable climate and behavior in baby pigs. DANISH.
Feeenstra, A. Kobenhavn, Danmarks Jordbruksvidenskabelige Kandidatforbund. Ugeskrift for jordbrug. Nov 22, 1979. v. 124 (47). p. 1129, 1131-1133, 1135. ill. 4 ref. (NAL Call No.: S11.U35).

1748

Stimulation of feeding behavior in suckling piglets. RUSSIAN.
Pushkarskii, V.G. Moskva, "Kolos". Vestnik sel'skokhoziaistvennoi nauki. Aug 1979. Aug 1979. (8). p. 82-87. ill. 42 ref. (NAL Call No.: 20 V633).

1749

Stimulation of reproduction in sows with rearing measures (Estrus, housing conditions, behavior, single and group rearing). German.
Hoogerbrugge, A. Salden, N.T.C.J.; Hemsworth, P.H. Hildesheim, Arbeitsgemeinschaft Deutscher Tierzüchter. Der Tierzüchter. Nov 25, 1981. v. 33 (11). p. 478-480. (NAL Call No.: 49 T445).

1750

Strain and sex effects on the open-field behaviour of the chick. FRENCH.
Faure, J.M. Paris, Masson. Biology of behaviour. = Biologie du comportement. 1979. v. 4 (1). p. 19-24. ill. 7 ref. (NAL Call No.: QL750.B52).

1751

Studies of the behavior of dairy cows during their adaptation to new conditions of maintenance. Russian.

Praks, J. Ainsaar, L.; Ruutel, A. Tartu : Akadeemia. Sbornik nauchnykh trudov Estonskoi sel'skokhoziaistvennoi akademii. = Transactions of Estonian Agricultural Academy. 1980. 1980. (125). p. 47-54. 12 ref. (NAL Call No.: 106 ES83).

1752

Studies of the social behavior of domesticated fowl in a free care system and aviary care system. German.
Bolter, Ulrike. Giessen : s.n., 1987. English summary. Includes vita. 132 p. : ill. ; 21 cm. Bibliography: p. 121-130. (NAL Call No.: DNAL 41.2 G3642 1987 no.13).

1753

Studies on sucking behavior of dairy cows on large-capacity farms. Czech.
Macha, J. Dvorak, J.; Masek, N.; Kalina, J.; Kimpl, M. Brno, Czechoslovakia, Vysoka skola zemedelska. Sbornik. Rada A: Spisy Facultas agronomica. 1981. 1981. (1/2). p. 211-218. 9 ref. (NAL Call No.: S13.B7).

1754

Studies on the behavior of fattening swine in various housing systems, with special regard to tail and ear biting. GERMAN.
Haske-Cornelius, H. Bogner, H.; Peschke, W. Munchen, BLV Verlagsgesellschaft. Bayerisches landwirtschaftliches Jahrbuch. 1979. v. 56 (2). p. 162-200. ill. 26 ref. (NAL Call No.: 18 L24).

(ANIMAL ECOLOGY)

1755

Studies on the behavior of piglets raised in cages.

Dinu, I. Pasculescu, F. Bucuresti, Ministerul Educatiei si Invatamintului, Institutul Agronomic "Nicolae Balcescu". Lucrari stiintifice. Seria D: Zootehnica. 1979 (pub. 1980). v. 22. p. 59-68. ill. 4 ref. (NAL Call No.: SF15.R8152).

1756

Studies on the behaviour of Egyptian cows and buffaloes. GERMAN.

E1 Kaschab, S. Hannover. Deutsche tierarztliche Wochenschrift. Jan 5, 1979. v. 86 (1). p. 20-23. ill. Bibliography p. 23. (NAL Call No.: 41.8 D482).

1757

Studies on the behaviour of the broiler turkey and its significance. HUNGARIAN.

Czirjak, L. Tanyi, J. Budapest, Hirlapkiado Vallalat. Magyar allatorvosok lapja. Oct 1979. v. 34 (10). p. 703-706. 9 ref. (NAL Call No.: 41.8 V644).

1758

Studies on the effect of feeding frequency on fattening performance and behavior of swine.

Kracht, W. Ohle, H.O.; Matzke, W.; Bolduan, G.; Wachtl, R. Berlin, E. Ger., Akademie der Landwirtschaftswissenschaften der DDR. Tierzucht. June 1982. v. 36 (6). p. 276-279. (NAL Call No.: 49 T443).

1759

Studies on the influence of social behavior on some blood values in sows.

Tanase, D. Drugociu, G.; Turliuc, O.; Bondariu, I. Iasi, (s.n.). Lucrari stiintifice. Seria Zootehnie Medicina veterinara. 1979. v. 23. p. 65-66. 5 ref. (NAL Call No.: SF695.R6I5).

1760

Study of behavior of fattening swine with regard to floor types and population density. GERMAN.

Steiger, A. Tschanz, B. Zurich, Gesellschaft Schweizerischer Tierarzte. Schweizer Archiv fur Tierheilkunde. Mar 1979. v. 121 (3). p. 109-126. ill. Bibliography p. 125-126. (NAL Call No.: 41.8 SCH9).

1761

Study of dust or sandbathing behavior of chickens. German.

Klinger, Georg, 1954-. Hohenheim : s.n. , 1985. Includes vita. 120 p. : ill. ; 21 cm. Bibliography: p. 110-119. (NAL Call No.: DNAL 105.8 H686D 1985 no.16).

1762

Study of liveweight and viability behavior of five broiler lines during the acclimation stage (Chicks, Cuba). Spanish.

Villa, J.R.REAVD. Perez, M.; Herrera, A. Habana : Instituto de Investigaciones Avicolas de Cuba. Revista aviculura. Dec 1981. v. 25 (4). p. 177-183. Includes references. (NAL Call No.: SF481.A9).

1763

Study of milch cows behaviour in large-scale cow-houses in different seasons. Slovak.

Kotvas, R. Vavak, V. Nitre, Czechoslovakia, Priroda. Acta zootechnica. 1980. v. 36. p. 151-161. ill. 10 ref. (NAL Call No.: SF1.A2).

1764

Study of some behavior reactions and milk productivity of cows raised with and without staying in after-calving section. II. Milk productivity. Bulgarian.

ZHVNA. Dimitrova, P. Tosiev, A.; Nikolaev, B. Sofiia : Bulgarska akademiiia na naukite. Zhivotnovudni nauki = Animal science. 1984. v. 21 (3). p. 86-92. ill. Includes 13 references. (NAL Call No.: DNAL 49 Z65).

1765

Study of the behavior of artificially motherless reared sheep using feeding methods. German.

May, Ursula, 1956-. Giessen : s.n. , 1986. English summary.~ Includes vita. 166 p. : ill. ; 21 cm. Bibliography: p. 154-166. (NAL Call No.: DNAL 105.8 G36 1986 no.3).

1766

Study of the behavior of pregnant sows raised under different technologies. Bulgarian.

Benkov, M. V'zharova, L. Sofiia, Bulgarska akademiiia na naukite. Zhivotnovudni nauki. = Animal science. 1980. v. 17 (3). p. 74-78. ill. 9 ref. (NAL Call No.: 49 Z65).

(ANIMAL ECOLOGY)

1767

Study of the behavior of Tsigai and Romney-Marsh sheep breeds (Romania).
Salantiu, V. Maier, R. Cluj-Napoca, (s.n.), 1980. Lucrarile sectiei de ameliorare si tehnologie de crestere la taurine si ovine / (colectiv de redactie Petre Adrian, Velea Constantin ; sef lucr. Morar Roman ; tehnoredactor: Sopa Sorin). Simpozionul "Probleme de Ameliorare, Tehnologie de Crestere si Patologie la Taurine si Ovine")1979 : Cluj-Napoca, Rumania). p. 278-283. ill. (NAL Call No.: SF201.S53).

1768

Study of the effect of stall litter on the behavior of dairy cows in loose housing. French.
Maton, A. Daelemans, J.; Lambrecht, J. Bruxelles, Ministere de l'agriculture. Revue de l'agriculture. July/Aug 1981. v. 34 (4). p. 973-993. ill. Includes 16 ref. (NAL Call No.: 13 R322).

1769

Study on some behavior reactions and milk productivity of cows raised with and without staying in an after-calving section. I. Ethological studies. Bulgarian.
ZHVNA. Dimitrova, P. Tosiev, A. Sofia : Bulgarska akademija na naukite. Zhivotnovudni nauki = Animal science. 1984. v. 21 (3). p. 79-85. ill. Includes 6 references. (NAL Call No.: DNAL 49 Z65).

1770

Study on the behavior of early weaned piglets reared in onestorey cages and veranda type boxes. BULGARIAN.
Benkov, M. Vuzharova, L. Sofia, Bulgarska akademija na naukite. Zhivotnovudni nauki. = Animal science. 1979. v. 16 (6). p. 50-54. 11 ref. (NAL Call No.: 49 Z65).

1771

Study on the behavior of young swine reared under conditions of different day lengths. BULGARIAN.
Benkov, M. Stefanova, S.; Vuzharova, L. Sofia, Bulgarska akademija na naukite. Zhivotnovudni nauki. = Animal science. 1979. v. 16 (6). p. 55-61. 15 ref. (NAL Call No.: 49 Z65).

1772

Summary report on experiments carried out at the Strickhof, Eschikon comparing the productivity and the behavior of laying hens in cages and on litter (Switzerland). German.
Thomann, W. Bern, Benteli. Schweizerische landwirtschaftliche Monatshefte. July 1981. v. 59 (7). p. 261-273. (NAL Call No.: 17 SCH93).

1773

Supply of requirements and avoidance of harm in the horse with regard to feeding, locomotion, social behavior, and evasion from inimical contacts. German.
Zeeb, K. Hannover, W. Ger. : Bundesverband praktischer Tierarzte. Der praktische Tierarzt. May 1, 1984. v. 65 (5). p. 432-434, 436, 439. Includes references. (NAL Call No.: 41.8 P882).

1774

Teat order development in suckling pigs (Behavior). GERMAN.
Mattwei, A. Derenbach, J.; Steinlauf, D. Hamburg, Paul Parey. Zeitschrift fur Tierzuchtung und Zuchtbioologie. = Journal of animal breeding and genetics. 1979. v. 96 (4). p. 287-294. ill. 9 ref. (NAL Call No.: 442.8 Z35).

1775

Tests on the behaviour of animals during weighing in case of pigs. German.
Lankow, C. Porzig, E. Berlin, E. Ger., VEB Verlag Technik. Agrartechnik. 1982. v. 32 (5). p. 206-210. ill. 10 ref. (NAL Call No.: 58.8 D482).

1776

Use of biotelemetry in the study of feeding behavior: application to sheep in the field. French.
Janeau, G. Lecrivain, E. Montrouge, France : Gauthier-Villars. Acta oecologica : oecologia applicata. 1983. v. 4 (4). p. 313-324. ill. Includes references. (NAL Call No.: QK901.A1034).

1777

Variations in behaviour and pulsation in cows of different breeds under acoustic stress. German.
Kovalcik, K. Kovalcikova, M.; Flak, P. Berlin, Akademie der Landwirtschaftswissenschaften der Deutschen Demokratischen Republik. Archiv fur Tierzucht. 1981. v. 24 (6). p. 511-520. ill. Includes 7 ref. (NAL Call No.: 49 AR23).

172

(ANIMAL ECOLOGY)

1778

Vocalizations of Holstein heifers on pasture
and their functions (Grazing, behavior).

Japanese.

Hayasaka, K. Fukukawa, T.; Igarashi, R.
Nishinasuno, Japan : The Institute. Sochi
shikenjo kenkyu hokoku = Bulletin of the
National Grassland Research Institute. Oct
1983. Oct 1983. (26). p. 1-7. ill. Includes
references. (NAL Call No.: SB199.A1S6).

1779

Wallowing behavior of sows. German.

Sambräus, H.H. Hannover, M. & H. Schaper. DTW,
Deutsche tierärztliche Wochenschrift. Feb 5,
1981. v. 88 (2). p. 65-67. ill. Bibliography p.
67. (NAL Call No.: 41.8 D482).

ANIMAL STRUCTURE

1780

Destruction of the telencephalic archistriatum
on fearful, agonistic and sexual behaviors in
male chickens.

NICKA3. Sonoda, T. Kurosaki, Z. Tokyo : Nihon
Chikusan Gakkai. Nihon Chikusan Gakkai ho =
Japanese journal of zootechnical science.
Literature review. June 1985. v. 56 (6). p.
476-483. ill. Includes 43 references. (NAL Call
No.: DNAL 49 N62).

1781

Effects of frequent interactions with humans on
growing pigs.

Gonyou, H.W. Hemsworth, P.H.; Barnett, J.L.
Amsterdam : Elsevier Science Publishers B.V.
Applied animal behaviour science. Nov 1986. v.
16 (3). p. 269-278. Includes references. (NAL
Call No.: DNAL QL750.A6).

1782

Behaviour of calves of the Estonian Red Breed
under different ways of management. Russian.

Kaarupun, V. Tartu, Akadeemia. Sbornik
nauchnykh trudov Estonskoi
sel'skokhoziaistvennoi akademii. = Transactions
of Estonian Agricultural Academy. 1980. 1980.
(130). p. 12-19. 16 ref. (NAL Call No.: 106
ES83).

ANIMAL NUTRITION

1783

Animal welfare and natural disasters in the grazing industry.
Alexander, G.I. Indooroopilly, QLD : Australian Veterinary Association (Queensland Division), 1985 . Grazing Animal Welfare Symposium : proceedings of a symposium held at the Bardon Professional Development Centre, Brisbane, on April 26th and 27th, 1985 / editors: Brian L. Moore and Peter J. Chenoweth . p. 57-65. Includes references. (NAL Call No.: DNAL SF85.4.A9G72 1985).

1784

An aspect of feeding behavior and its importance to grazing systems (Sheep).
Gluesing, E.A. Ralph, D.F. Denver, Society for Range Management. Journal of range management. Nov 1980. v. 33 (6). p. 426-427. 9 ref. (NAL Call No.: 60.18 J82).

1785

Aspects of ingestive behavior in cattle.
JANSAG. Bell, F.R. Champaign, Ill. : American Society of Animal Science. Journal of animal science. Paper presented at the Symposium on "Controls of Feeding Farm Animals," held July 28, 1983, Washington State University, Pullman.~ Literature review. Nov 1984. v. 59 (5). p. 1369-1372. Includes references. (NAL Call No.: DNAL 49 J82).

1786

Basic donkey care.
Mariette, K.R. Colorado Springs : The Journal. Western horseman. Oct 1985. p. 77-78. ill. (NAL Call No.: DNAL 42.8 W522).

1787

Behavior and performance of pigs grouped by three different methods at weaning.
Friend, T.H.JANSAG. Knabe, D.A.; Tanksley, T.D. Jr. Champaign : American Society of Animal Science. Journal of animal science. Dec 1983. v. 57 (6). p. 1406-1411. Includes references. (NAL Call No.: 49 J82).

1788

Behavior and weight loss of feeder calves in a railcar modified for feeding and watering in transit.
Friend, T.H. Irwin, M.R.; Sharp, A.J.; Ashby, B.H.; Thompson, G.B.; Bailey, W.A. Washington, D.C., Institute for the Study of Animal Problems. International journal for the study of animal problems. May/June 1981. v. 2 (3). p. 129-137. ill. 13 ref. (NAL Call No.: HV4701.I49).

1789

Behavior of beef cows on a California range
/Kenneth A. Wagnon.
Wagnon, Kenneth A. 1907-. Berkeley, Calif. : Division of Agricultural Sciences, University of California, California Agricultural Experiment Station, 1963. Cover title. 58 p. : charts, 1 map ; 23 cm. Bibliography: p. 57. (NAL Call No.: DNAL 100 C12S no.799).

1790

Behaviour and management of free-ranging sheep and cattle in the arid zone of inland Australia.
WARVA. Squires, V.R. Rome, Italy : FAO. World animal review. 1984. (52). p. 29-33. ill. Includes references. (NAL Call No.: DNAL SF191.W6).

1791

Behaviour and welfare of veal calves in relation to husbandry systems /J.G. de Wilt.
Wilt, J. G. de. Wageningen, Netherlands : Landbouwhogeschool te Wageningen, 1985? Thesis (Ph. D.)--Landbouwhogeschool te Wageningen, 1985. Summary and vita also in Dutch. 138 p. : ill. ; 24 cm. Bibliography: p. 117-122. (NAL Call No.: DNAL SF206.W5).

1792

Behaviour factors influencing the rearing of Sahiwal-cross calves.
Ward, J.D.B. Bremner, K.J.; Kilgour, R. Wellington : Editorial Services Ltd. Proceedings of ... annual conference - New Zealand Society of Animal Production. 1983. v. 43. p. 171-173. (NAL Call No.: 49.9 N483).

1793

Behaviour of laying hens on a controlled feeding schedule.
Preston, A.P. Genova, Italy, (s.n.). Zootecnica international. Nov 1981. Nov 1981. (11). p. 10, 12-13. Includes 2 ref. (NAL Call No.: SF600.Z6).

1794

Behaviour of weaned Mariana calves to pair feeding.
IJAHIA. Tomar, S.S. Calcutta : Sd. A. Chatterjee. Indian journal of animal health. June 1984. v. 23 (1). p. 63-66. Includes references. (NAL Call No.: DNAL SF1.I4).

175

(ANIMAL NUTRITION)

1795

Behaviour of weaned Holstein-Friesian Haniana calves to pail feeding.
Tomar, S.S. Bangalore, T.A. Gaffar. Livestock adviser. Aug 1981. v. 6 (8). p. 13-16. 4 ref. (NAL Call No.: SF1.L53).

1796

Behavioural and growth responses of broiler chickens to dietary water content and climatic variables.
BPOSA. Abasiekong, S.F. Oxfordshire : Carfax Publishing Company. British poultry science. Sept 1988. v. 29 (3). p. 563-570. Includes references. (NAL Call No.: DNAL 47.8 B77).

1797

Behavioural factors modifying acceptance of supplementary foods by sheep.
Chapple, R.S. Lynch, J.J. Harlow, Essex : Longman. Research and development in agriculture. Winter 1986. v. 3 (3). p. 113-120. Includes references. (NAL Call No.: DNAL S539.5.R473).

1798

Body size and body condition effects on performance and behavior of grazing beef cows.
NURIB. Adams, D.C. Short, R.E.; Knapp, B.W. Los Altos, Calif. : Geron-X, Inc. Nutrition reports international. Feb 1987. v. 35 (2). p. 269-277. Includes references. (NAL Call No.: DNAL RC620.A1N8).

1799

Cage type effects on feeding activity of three commercial strains of egg-type chickens.
POSICAL. Carey, J.B. Adams, A.W.; Kemp, K.E. Champaign, Ill. : Poultry Science Association. Poultry science. May 1986. v. 65 (5). p. 845-849. Includes references. (NAL Call No.: DNAL 47.8 AM33P).

1800

A comparison of the nursing and suckling behaviour of group- and individually-housed sows and their litters.
Bryant, M.J. ANIPA. Rowlinson, P.; Steen, H.A.M. van der. Harlow : Longman. Animal production. June 1983. v. 36 (pt.3). p. 445-451. ill. Includes references. (NAL Call No.: 49 AN55).

1801

Competitive feeding behavior and social status in multiple-hen cages.
Craig, J.V. Ramos, N.C. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. Aug 1986. v. 16 (1). p. 69-76. Includes references. (NAL Call No.: DNAL QL750.A6).

1802

Control of feed intake in pigs.
Baile, C.A. McLaughlin, C.L. New York : Plenum Press, c1986. Swine in biomedical research / edited by M.E. Tumbleson. Proceedings of a Conference, June 17-20, 1985, Columbia, Missouri.~ Literature review. p. 931-942. ill. Includes references. (NAL Call No.: DNAL RB125.C68 1985).

1803

Control of feed intake in sheep.
JANSAG. Della-Fera, M.A. Baile, C.A. Champaign, Ill. : American Society of Animal Science. Journal of animal science. Paper presented at the Symposium on "Controls of Feeding Farm Animals," held July 28, 1983, Washington State University, Pullman.~ Literature review. Nov 1984. v. 59 (5). p. 1362-1368. ill. Includes references. (NAL Call No.: DNAL 49 J82).

1804

Controls of feeding in horses.
JANSAG. Ralston, S.L. Champaign, Ill. : American Society of Animal Science. Journal of animal science. Paper presented at the Symposium on "Controls of Feeding Farm Animals," held July 28, 1983, Washington State University, Pullman.~ Literature review. Nov 1984. v. 59 (5). p. 1354-1361. Includes references. (NAL Call No.: DNAL 49 J82).

1805

Controls of feeding in pigs.
JANSAG. Houpt, T.R. Champaign, Ill. : American Society of Animal Science. Journal of animal science. Paper presented at the Symposium on "Controls of Feeding Farm Animals," held July 28, 1983, Washington State University, Pullman.~ Literature review. Nov 1984. v. 59 (5). p. 1345-1353. ill. Includes references. (NAL Call No.: DNAL 49 J82).

(ANIMAL NUTRITION)

1806

The development and use of equipment for the automatic recording of ingestive behaviour in sheep and cattle.

Chambers, A.R.M. Hodgson, J.; Milne, J.A. Oxford, Blackwell Scientific Publications. Grass and forage science. June 1981. v. 36 (2). p. 97-105. ill. 13 ref. (NAL Call No.: 60.19 B773).

1807

The development of aggressive behavior in male broiler chicks: a comparison with laying-type males and the effects of feed restriction.

Mench, J.A. Amsterdam : Elsevier Science Publishers, B.V. Applied animal behaviour science. Nov 1988. v. 21 (3). p. 233-242. Includes references. (NAL Call No.: DNAL QL750.A6).

1808

Diet, feeding behaviour and food intake of the upland goose (*Chloephaga picta*) and ruddy-headed goose (*Chloephaga rubidiceps*) in the Falkland Islands (*Poa annua* and *Poa pratensis*).

Summers, R.W. JAPEA. Grieve, A. Oxford : Blackwell Scientific. Journal of applied ecology. Dec 1982. v. 19 (3). p. 783-804. map. 2 p. ref. (NAL Call No.: 410 J828).

1809

Diurnal behavior patterns of feedlot bulls during winter and spring in northern latitudes.
Gonyou, H.W. Stricklin, W.R. Champaign, Ill. : American Society of Animal Science. Journal of animal science. May 1984. v. 58 (5). p. 1075-1083. ill. Includes references. (NAL Call No.: 49 J82).

1810

Dust elimination from outdoor feedlots for sheep.

JAWAA. Carter, D.J. South Perth : Department of Agriculture, Western Australia. Journal of agriculture, Western Australia. 1987. v. 28 (1). p. 20-23. ill. (NAL Call No.: DNAL 23 W52J).

1811

Early experience and grain-feeding in sheep.

Davidson, S. East Melbourne : Commonwealth Scientific and Industrial Research Organization. Rural research. Spring 1984. (124). p. 17-19. ill. Includes references. (NAL Call No.: DNAL 23 R88).

1812

Early weaning and cage rearing of piglets; influence on behaviour.

Algers, B. Berlin, W. Ger. : Paul Parey. Zentralblatt fur Veterinarmedizin. Reihe A. Feb 1984. v. 31 (1). p. 14-24. ill. Includes references. (NAL Call No.: 41.8 Z5).

1813

The eating behaviour of fattening pigs provided concentrates and water at slow speed.

Gravas, L. Darmstadt : Kuratorium fur Technik und Bauwesen in der Landwirtschaft, 1984? . Proceedings of the International Congress on Applied Ethology in Farm Animals, Kiel, 1984 / edited by J. Unshelm, G. van Putten and K. Zeeb ; sponsored by the Federal Ministry of Food, Agriculture and Forestry. p. 205-208. ill. (NAL Call No.: DNAL SF756.7.I5 1984).

1814

Effect of artificial photoperiod on eating behavior and other behavioral observations of dairy cows.

Tanida, H. Swanson, L.V.; Hohenboken, W.D. Champaign : American Dairy Science Association. Journal of dairy science. Mar 1984. v. 67 (3). p. 585-591. ill. Includes references. (NAL Call No.: 44.8 J822).

1815

Effect of calcium-deficient roughages upon milk production and welfare of dairy cows / R.B. Becker, W.M. Neal, A.L. Shealy.

Becker, R. B. 1892-. Neal, W. M.-1905-; Shealy, A. L. Gainesville, Fla. : University of Florida Agricultural Experiment Station, 1933. Cover title. 28 p. : ill., chart ; 23 cm. Bibliography: p. 27-28. (NAL Call No.: DNAL 100 F66S (1) no.262).

1816

Effect of controlled drinking time on feeding behavior and growth of young broiler breeder females.

Ross, P.A. Hurnik, J.F.; Morrison, W.D. Champaign, Ill., Poultry Science Association. Poultry science. Oct 1981. v. 60 (10). p. 2176-2181. ill. 13 ref. (NAL Call No.: 47.8 AM33P).

1817

Effect of feeding frequency on age and weight of confined gilts at puberty, and some related breeding phenomena.

ANRSD. Friend, D.W. Wolynetz, M.S.; Robertson, H.A. Amsterdam : Elsevier Science Publishers. Animal reproduction science. May 1986. v. 11

(ANIMAL NUTRITION)

(1). p. 69-74. Includes references. (NAL Call No.: DNAL QP251.A5).

ref. (NAL Call No.: SF600.C82).

1818

Effect of feeding method on nonnutritive oral activities in holstein calves.

JDSCAE. Kopp, M.B. Friend, T.H.; Dellmeier, G.R. Champaign, Ill. : American Dairy Science Association. Journal of dairy science. Dec 1986. v. 69 (12). p. 3094-3099. Includes references. (NAL Call No.: DNAL 44.8 J822).

1819

Effect of feeding time, behavior, and environmental factors on the time of calving in dairy cattle.

JDSCAE. Pennington, J.A. Albright, J.L. Champaign, Ill. : American Dairy Science Association. Journal of dairy science. Oct 1985. v. 68 (10). p. 2746-2750. Includes 13 references. (NAL Call No.: DNAL 44.8 J822).

1820

The effect of length of food deprivation on the feeding activity of pigs.

Hsia, L.C. Tokyo, Japan : Japanese Society of Zootecnical Science, 1983. New strategies for improving animal production for human welfare : proceedings / the Fifth World Conference on Animal Production, August 14-19, 1983. v. 2 p. 405-406. Includes references. (NAL Call No.: DNAL SF5.W6 1983).

1821

The effect of level of feeding on water turnover in growing pigs (Behavior).

Yang, T. Price, M.A.; Aherne, F.X. Amsterdam : Elsevier. Applied animal behaviour science. Mar 1984. v. 12 (1/2). p. 103-109. ill. Includes references. (NAL Call No.: QL750.A6).

1822

The effect of rearing systems on the development of behaviour in calves.

Webster, A.J.F. CTVSD. Saville, C. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1982. v. 19. p. 168-179. 1 ref. (NAL Call No.: SF600.C82).

1823

The effect of rearing systems on the development of behaviour in calves.

Fiems, L.O. CTVSD. Boucque, C.V.; Cottyn, B.G.; Buvse, F.X. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1982. v. 19. p. 149-167. 2 p.

1824

Effect of the feeder pig marketing routine performance during the growing-finishing period.

MAERA. Hockman, D.D. Jesse, G.W.; Mayes, H.F. Columbia : The Station. Special report - University of Missouri - Columbia, Agricultural Experiment Station. Includes statistical data. Sept 1981. (273). p. 81-90. (NAL Call No.: DNAL 100 M693SP).

1825

Effect of time of year and prior feeding experience on feeding behaviour of sheep as if for live export.

McDonald, C.L. Gittins, S.P.; Rowe, J.B. Sydney : Pergamon Press. Proceedings of the Australian Society of Animal Production. 1988. v. 17. p. 226-229. Includes references. (NAL Call No.: DNAL 49.9 AU72).

1826

Effects of drinking water flow rates and social rank on performance and drinking behaviour of tied-up dairy cows.

LPSCD. Andersson, M. Schaaf, J.; Wiktorsson, H. Amsterdam : Elsevier Science Publishers B.V. Livestock production science. Nov 1984. v. 11 (6). p. 599-610. Includes references. (NAL Call No.: DNAL SF1.L5).

1827

Effects of feed restriction and tryptophan on the behavior of broiler breeders.

Mench, J.A. Shea, M.M. College Park, Md. : The Conference. Proceedings - Maryland Nutrition Conference for Feed Manufacturers. 1988. p. 40-46. Includes references. (NAL Call No.: DNAL 389.9 UN342).

1828

Effects of feeding systems on social and feeding behavior and performance of finishing pigs.

JANSAG. Vargas, J.V. Craig, J.V.; Hines, R.H. Champaign, Ill. : American Society of Animal Science. Journal of animal science. Aug 1987. v. 65 (2). p. 463-474. Includes references. (NAL Call No.: DNAL 49 J82).

(ANIMAL NUTRITION)

1829

Effects of feeding time on the feeding behavior of laying hens.

NICKA3. Tanaka, T. Yoshimoto, T. Tokyo : Nihon Chikusan Gakkai. Nihon Chikusan Gakkai ho = Japanese journal of zootechnical science. Apr 1986. v. 57 (4). p. 324-328. Includes 10 references. (NAL Call No.: DNAL 49 N62).

1830

The effects of group size/stocking density on weanling pig performance and behavior.

Spicer, H.M. Aherne, F.X. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. Dec 1987. v. 19 (1/2). p. 89-98. Includes references. (NAL Call No.: DNAL QL750.A6).

1831

Effects of grouping and isolation on feeding, food conversion and energy expenditure of domestic chicks (Behavior).

Savory, C.J. MacLeod, M.G. Amsterdam, Elsevier. Behavioural processes. Sept 1980. v. 5 (3). p. 187-200. illl. Bibliography p. 198-200. (NAL Call No.: QL750.B4).

1832

Effects of maize silage and alfalfa hay on nutritional behaviour and milk production of dairy cows.

Szucs, E. Molnar, I.; Szollosi, I.; Weber-Forgonyi, A.; David, I. Budapest : Akademia Kiado. Acta agronomica Academiae Scientiarum Hungaricae. 1983. v. 32. p. 85-96. illl. Includes references. (NAL Call No.: 19 AC8).

1833

The effects of management program and social rank on behavior and productivity of White Leghorn layers in cages (Chicks, feeding frequencies).

Cunningham, D.L.POSCAL. Tienhoven, A. van. Champaign : Poultry Science Association. Poultry science. Jan 1984. v. 63 (1). p. 25-30. Includes references. (NAL Call No.: 47.8 AM33P).

1834

The effects of precision feeding on the behavior of adult cockerels.

Fraser, D.POSCA. Sibbald, I.R. Champaign : Poultry Science Association. Poultry science. Nov 1983. v. 62 (11). p. 2224-2226. Includes references. (NAL Call No.: 47.8 AM33P).

1835

The effects of the frequency of feeding concentrates on milk production and eating behaviour in Ayrshire dairy cows.

Gill, M.S. ANIPA. Castle, M.E. Harlow : Longman. Animal production. Feb 1983. v. 36 (pt.1). p. 79-85. Includes references. (NAL Call No.: 49 AN55).

1836

Effects of time of supplementation on daily gain, forage intake and behavior of yearling steers grazing fall range.

Adams, D.C. PMWSA. Kartchner, R.J. (s.l.) : The Society. Proceedings of the annual meeting - American Society of Animal Science. Western Section. 1983. v. 34. p. 158-160. Includes references. (NAL Call No.: 389.9 AM31).

1837

Electrical current sensitivity of growing/fishing swine for drinking.

TAAEA. Gustafson, R.J. Appleman, R.D.; Brennan, T.M. St. Joseph, Mich. : The Society. Transactions of the ASAE - American Society of Agricultural Engineers. Mar/Apr 1986. v. 29 (2). p. 592-596, 600. Includes 6 references. (NAL Call No.: DNAL 290.9 AM32T).

1838

Electronic transponder feeder system performance and animal feeding behavior with four feed availability times (Cows).

Shrestha, C.M. JDSCA. Spahr, S.L.; Puckett, H.B.; Oliver, E.F. Champaign : American Dairy Science Association. Journal of dairy science. Feb 1983. v. 66 (2). p. 332-340. illl. Includes references. (NAL Call No.: 44.8 J822).

1839

Etiology of stereotyped behaviour in pig husbandry.

Rusken, J. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. Apr 1987. v. 17 (1/2). p. 177-178. Includes references. (NAL Call No.: DNAL QL750.A6).

1840

Feeding acidified milk replacer ad libitum to calves housed in group versus individual pens.

JDSCAE. Richard, A.L. Heinrichs, A.J.; Muller, L.D. Champaign, Ill. : American Dairy Science Association. Journal of dairy science. Aug 1988. v. 71 (8). p. 2203-2209. Includes references. (NAL Call No.: DNAL 44.8 J822).

(ANIMAL NUTRITION)

1841

Feeding and drinking behavior of mares and foals with free access to pasture and water. JANSAG. Crowell-Davis, S.L. Houpt, K.A.; Carnevale, J. Champaign, Ill. : American Society of Animal Science. Journal of animal science. Apr 1985. v. 60 (4). p. 883-889. ill. Includes references. (NAL Call No.: DNAL 49 J82).

1842

Feeding behavior.

Ralston, S.L. Philadelphia : W.B. Saunders. The Veterinary clinics of North America : equine practice. In the series analytic: Behavior / edited by S.L. Crowell-Davis and K.A. Houpt. Literature review. Dec 1986. v. 2 (3). p. 609-621. Includes references. (NAL Call No.: DNAL SF951.V47).

1843

Feeding behavior and energetics of growing-finishing swine as influenced by environmental temperature.

Nienaber, J.A. Hahn, G.L. St. Joseph, Mich. : The Society. American Society of Agricultural Engineers (Microfiche collection). Paper presented at the 1987 Winter Meeting of the American Society of Agricultural Engineers. Available for purchase from: The American Society of Agricultural Engineers, Order Dept., 2950 Niles Road, St. Joseph, Michigan 49085. Telephone the Order Dept. at (616) 429-0300 for information and prices. 1987. (fiche no. 87-4512). 19 p. Includes references. (NAL Call No.: DNAL FICHE S-72).

1844

Feeding behavior in the preweanling piglet.

Barczewski, R.A. Hartsock, T.G. College Park : The Conference. Proceedings - Maryland Nutrition Conference for Feed Manufacturers. 1986. p. 34-37. Includes references. (NAL Call No.: DNAL 389.9 UN342).

1845

Feeding behavior of chicks under three lighting regimens.

Squibb, R.L. Collier, G.H. Champaign, Ill., Poultry Science Association. Poultry science. May 1979. v. 58 (3). p. 641-645. ill. 12 ref. (NAL Call No.: 47.8 AM33P).

1846

Feeding behavior of cows fed concentrates via an electronic transponder feeder system. Shrestha, C.M. Spahr, S.L. Oliver, E.F. Champaign, Ill., The Association. Program: ADSA annual meeting and divisional abstracts American Dairy Science Association. 1979. v. 62 (suppl.1). p. 160. (NAL Call No.: SF221.A4).

1847

Feeding behavior of lactating dairy cows as measured by time-lapse photography.

Vasilatos, R. Wangsness, P.J. Champaign, Ill., American Dairy Science Association. Journal of dairy science. Mar 1980. v. 63 (3). p. 412-416. ill. 19 ref. (NAL Call No.: 44.8 J822).

1848

Feeding behavior of poulets exposed to pre- and post-hatching visual stimulation.

Lewis, N.J. Hurnik, J.F. Ottawa, Agricultural Institute of Canada. Canadian journal of animal science. Dec 1979. v. 59 (4). p. 773-780. ill. 11 ref. (NAL Call No.: 41.8 C163).

1849

Feeding behaviour in domestic animals.

Ito, T. Mitani, K. Tokyo, Japan : Japanese Society of Zootechnical Science, 1983. New strategies for improving animal production for human welfare : proceedings / the Fifth World Conference on Animal Production, August 14-19, 1983. v. 2 p. 813-814. Includes references. (NAL Call No.: DNAL SF5.W6 1983).

1850

Feeding behaviour (Poultry, physiology of food intake).

Savory, C.J. Edinburgh, British Poultry Science. Food intake regulation in poultry. 1978 (pub. 1979). 1978 (pub. 1979). (14th). p. 277-323. ill. Bibliography p. 319-323. (NAL Call No.: SF494.P64).

1851

Feeding conditions in relation to welfare for dairy cows in loose-housing systems.

Konggaard, S.P. CTVSD. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1983. Paper presented at the Seminar on Farm Animal Housing and Welfare, Aberdeen, July 28-30, 1982. v. 24. p. 272-280. ill. Includes references. (NAL Call No.: SF600.C82).

180

(ANIMAL NUTRITION)

1852

Feeding pattern responses to changes in dietary energy or environmental temperature in the domestic fowl.

POSCAL. Taher, A.I. Gleaves, E.W.; Mather, F.B. Champaign, Ill. : Poultry Science Association. Poultry science. May 1985. v. 64 (5). p. 986-990. Includes references. (NAL Call No.: DNAL 47.8 AM33P).

1853

Food availability and the feeding and drinking behaviour of broiler chickens grown commercially.

BPOSA. Murphy, L.B. Preston, A.P. Oxfordshire : Carfax Publishing Company. British poultry science. June 1988. v. 29 (2). p. 273-283. ill. Includes references. (NAL Call No.: DNAL 47.8 B77).

1854

Food competition in cattle.

Metz, J.H.M. CTVSD. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1983. Paper presented at the Seminar on Farm Animal Housing and Welfare, Aberdeen, July 28-30, 1982. v. 24. p. 164-170. ill. Includes references. (NAL Call No.: SF600.C82).

1855

Food restriction as a cause of stereotypic behaviour in tethered gilts.

ANIPA. Appleby, M.C. Lawrence, A.B. Neston, South Wirral, England : British Society of Animal Production. Animal production. Aug 1987. v. 45 (pt.1). p. 103-110. Includes references. (NAL Call No.: DNAL 49 AN55).

1856

Fowl sociometry: social discrimination and the behaviour of domestic hens during food competition (Agressiveness, pecking).

Syme, G.J. Syme, L.A.; Barnes, D.R. Amsterdam : Elsevier. Applied animal ethology. Nov 1983. Literature review. v. 11 (2). p. 163-175. ill. Includes references. (NAL Call No.: QL750.A6).

1857

Grazing Animal Welfare Symposium proceedings of a symposium held at the Bardon Professional Development Centre, Brisbane, on April 26th and 27th, 1985 /convened by Australian Veterinary Association (Queensland Branch) ; editors: Brian L. Moore and Peter J. Chenoweth .

Moore, Brian L.; Chenoweth, Peter J. Indooroopilly, QLD, Australia : Australian Veterinary Association (Queensland Division),

1985 . Cover title: Grazing animal welfare. vii, 185, 40 p. : ill. ; 24 cm. Includes bibliographical references. (NAL Call No.: DNAL SF85.4.A9G72 1985).

1858

Grazing behavior and forage intake of supplemented beef cows on Montana foothill winter range.

Beverlin, S.K. Havstad, K.M.; Petersen, M.K. Bozeman, Mont. : Animal and Range Science Department, Montana State University. Proceedings of the ... Montana Livestock Nutrition Conference. 1987. (38th). p. 16.1-16.7. Includes references. (NAL Call No.: DNAL 389.79 M76).

1859

Grazing behavior, forage intake and animal performance of beef heifers grazing sorghum-sudan hybrids.

Coleman, S.W. Horn, F.P. Champaign, Ill., American Society of Animal Science. Journal of animal science. 1978. v. 47 (suppl.1). p. 85-86. (NAL Call No.: 49 J82).

1860

Grazing behavior of beef cows under range conditions.

Havstad, K.M. Lathrop, W.J.; Ayers, E.L.; Doornbos, D.E.; Kress, D.D. Bozeman : The Station. Montana agresearch - Montana Agricultural Experiment Station, Montana University. Spring/Summer 1986. v. 3 (2). p. 20-21. Includes references. (NAL Call No.: DNAL S451.M9M9).

1861

Grazing behavior of yearling horses. I. Time spent grazing different forages.

Hansen, D.K. Rouquette, F.M. Jr.; Florence, M.J.; Walker, J.; Heitschmidt, R. College Station, Tex. : The Station. PR - Texas Agricultural Experiment Station. In the series analytic: Forage research in Texas, 1987. Nov 1987. (4537). p. 17-19. Includes references. (NAL Call No.: DNAL 100 T31P).

1862

Grazing behavior of yearling horses. II. Selective or spot grazing of bermudagrass.

Hansen, D.K. Rouquette, F.M. Jr.; Florence, M.J. College Station, Tex. : The Station. PR - Texas Agricultural Experiment Station. In the series analytic: Forage research in Texas, 1987. Nov 1987. (4537). p. 19-21. maps. Includes references. (NAL Call No.: DNAL 100 T31P).

(ANIMAL NUTRITION)

1863

Grazing behaviour and herbage intake in cattle and sheep grazing indigenous hill plant communities.
NASSD. Armstrong, R.H. Hodgson, J. New York, N.Y. : Plenum Press. NATO advanced science institutes series : Series A : Life sciences. In the series analytic: Grazing research at northern latitudes / edited by O. Gudmundsson. Paper presented at a Workshop, August 5-10, 1985, Hvanneyri, Iceland. 1986. v. 108. p. 211-218. Includes references. (NAL Call No.: DNAL QH301.N32).

1864

Grazing behaviour by heifers on pastures fertilized with different fertilizer categories (Norway).
Gjestang, K.E. Tjernshaugen, O.; Tveitnes, S. Amsterdam : Elsevier. Applied animal behaviour science. Mar 1984. v. 12 (1/2). p. 33-41. ill. Includes references. (NAL Call No.: QL750.A6).

1865

Grazing behaviour of dry cows and their preference of different plant species in a protected grassland at early fruiting stages in Chakia Forest, Varanasi (India).
Pandey, A.N. New Delhi, The Academy. Proceedings of the Indian National Science Academy. Part B. Biological sciences. 1980. v. 46 (4). p. 495-505. 6 ref. (NAL Call No.: 513 N212 PT.B).

1866

Grazing behaviour of merinos on an undeveloped semi-arid tussock grassland block (Sheep, *Festuca novae-zelandiae*).
Scott, D. Sutherland, B.L. Wellington, Department of Scientific and Industrial Research. New Zealand journal of experimental agriculture. 1981. v. 9 (1). p. 1-9. ill. 20 ref. (NAL Call No.: S542.A1N45).

1867

Grazing choices and hill management.
Armstrong, R.H. Grant, S.A.; Hodgson, J. Hurley, Berkshire : The Society. Occasional symposium - British Grassland Society. 1987. (21). p. 175-178. ill. Includes references. (NAL Call No.: DNAL SB197.B7).

1868

Growth-associated traits in parental and F1 populations of chickens under different feeding programs. 3. Eating behavior and body temperatures.

POSCAL. Dunnington, E.A. Nir, I.; Cherry, J.A.; Jones, D.E.; Siegel, P.B. Champaign, Ill. : Poultry Science Association. Poultry science. Jan 1987. v. 66 (1). p. 23-31. Includes references. (NAL Call No.: DNAL 47.8 AM33P).

1869

The herbage intake, eating behaviour and calf production of beef cows grazing improved pastures on the Northern Tablelands of New South Wales.

Hennessy, D.W. Robinson, G.G. Melbourne, CSIRO. Australian journal of experimental agriculture and animal husbandry. June 1979. v. 19 (98). p. 261-268. ill. 20 ref. (NAL Call No.: 23 AU792).

1870

Herbivore diet in a semi-arid Eucalyptus populnea woodland. 1. Merino sheep.

AAAH. Harrington, G.N. Melbourne : Commonwealth Scientific and Industrial Research Organization. Australian journal of experimental agriculture. 1986. v. 26 (4). p. 413-421. Includes references. (NAL Call No.: DNAL 23 AU792).

1871

Herdling and forage ingestion by sheep.

EI Aich, A. Rittenhouse, L.R. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. May 1988. v. 19 (3/4). p. 279-290. Includes references. (NAL Call No.: DNAL QL750.A6).

1872

A high level of nutrition during late pregnancy improves subsequent maternal behaviour of Merino ewes.

Putu, I.G. Poindron, P.; Lindsay, D.R. Sydney : Pergamon Press. Proceedings of the Australian Society of Animal Production. 1988. v. 17. p. 294-297. Includes references. (NAL Call No.: DNAL 49.9 AU72).

1873

Humoral, hormonal and behavioral correlates of feeding in ponies: the effects of meal frequency.

JANSAG. Youket, R.J. Carnevale, J.M.; Houpt, K.A.; Houpt, T.R. Champaign, Ill. : American Society of Animal Science. Journal of animal science. Nov 1985. v. 61 (5). p. 1103-1110. ill. Includes references. (NAL Call No.: DNAL

182

(ANIMAL NUTRITION)

49 J82).

1874

The influence of diet upon time of calving and behaviour in dairy cattle.

Albright, J.L. Pennington, J.A. Darmstadt : Kuratorium fur Technik und Bauwesen in der Landwirtschaft, 1984? . Proceedings of the International Congress on Applied Ethology in Farm Animals, Kiel, 1984 / edited by J. Unsheim, G. van Putten and K. Zeeb ; sponsored by the Federal Ministry of Food, Agriculture and Forestry. p. 184-188. Includes references. (NAL Call No.: DNAL SF756.7.I5 1984).

1875

Influence of feeding time and diet on time of parturition in multiparous ewes.

JANSAG. Hudgens, R.E. Albright, J.L.; Pennington, J.A. Champaign, Ill. : American Society of Animal Science. Journal of animal science. Oct 1986. v. 63 (4). p. 1036-1040. Includes references. (NAL Call No.: DNAL 49 J82).

1876

Influence of food restriction and of the presence of chicks on the reproductive system of the domestic hen.

BPOSA. Richard-Yris, M.A. Leboucher, G.; Williams, J.; Garnier, D.H. Oxfordshire : Carfax Publishing Company. British poultry science. June 1987. v. 28 (2). p. 251-260. Includes references. (NAL Call No.: DNAL 47.8 B77).

1877

The influence of grazed patches on cattle foraging behavior.

PMWSA. Ruyle, G.B. Abu-Zanat, M.; Rice, R.W. S.I. : The Society. Proceedings, annual meeting - Western Section, American Society of Animal Science. Meeting held on June 15th-17th, 1988, Pomona, California. 1988. v. 39. p. 234-236. Includes references. (NAL Call No.: DNAL 389.9 AM31).

1878

The influence of predictability of feeding on the behaviour of grower pigs.

Carlstead, M.K. Darmstadt : Kuratorium fur Technik und Bauwesen in der Landwirtschaft, 1984? . Proceedings of the International Congress on Applied Ethology in Farm Animals, Kiel, 1984 / edited by J. Unsheim, G. van Putten and K. Zeeb ; sponsored by the Federal Ministry of Food, Agriculture and Forestry. p. 274-278. Includes references. (NAL Call No.: DNAL SF756.7.I5 1984).

1879

Influence of structure and composition of ryegrass and prairie grass-white clover swards on the grazed horizon and diet harvested by sheep.

GSECD. L'Huillier, P.J. Poppi, D.P.; Fraser, T.J. Oxford : Blackwell Scientific Publications. Grass and forage science. Sept 1986. v. 41 (3). p. 259-267. Includes references. (NAL Call No.: DNAL 60.19 B773).

1880

Influence of vagotomy in domestic fowls on feeding activity, food passage, digestibility and satiety effects of two peptides.

PHBHA. Savory, C.J. Hodgkiss, J.P. Eimsford, N.Y. : Pergamon Press. Physiology & behavior. Dec 1984. v. 33 (6). p. 937-944. ill. Includes 55 references. (NAL Call No.: DNAL QP1.P4).

1881

Influences of cold exposure on digestion of organic matter, rates of passage of digesta in the gastrointestinal tract, and feeding and rumination behaviour in sheep given four forage diets in the chopped, or ground and pelleted form.

BUUAV. Kennedy, P.M. Cambridge : Cambridge University Press. The British journal of nutrition. Jan 1985. v. 53 (1). p. 159-173. Includes references. (NAL Call No.: DNAL 389.8 B773).

1882

Ingestive behaviour and to correlate blood metabolites at specific items with feed intake pattern in buffalo calves.

IJDSA. Nangia, O.P. Garg, S.L. New Delhi : Indian Dairy Association. The Indian journal of dairy science. Dec 1982. v. 35 (4). p. 526-531. Includes references. (NAL Call No.: DNAL 44.8 IN28).

1883

Intake and selectivity by grazing sheep.

Jung, H.J.G. Sidahmed, A.E.; Koong, L.J.; Morris, J.G. Beltsville, Md. : The Service. ARS - United States Department of Agriculture, Agricultural Research Service. Dec 1984. (20). p. 48-49. (NAL Call No.: DNAL aS21.R44A7).

1884

Intermittent light and restricted feeding of broiler chickens (Light regimes to increase the growth rate of chickens by altering feeding behavior).

Beane, W.L. Cherry, J.A. Champaign, Ill., Poultry Science Association. Poultry science.

183

(ANIMAL NUTRITION)

May 1979. v. 58 (3). p. 567-571. ill. 23 ref.
(NAL Call No.: 47.8 AM33P).

1885

Interrelationships among voluntary intake, eating and ruminating behavior and ruminal motility of heifers fed corn silage.
JANSAG. Deswysen, A.G. Ellis, W.C.; Pond, K.R. Champaign, Ill. : American Society of Animal Science. *Journal of animal science*. Mar 1987. v. 64 (3). p. 835-841. Includes references. (NAL Call No.: DNAL 49 J82).

1886

Jornada Experimental Range: we're still learning.
AGREA. Senft, D. Washington, D.C. : The Administration. Agricultural research - U.S. Department of Agriculture, Agricultural Research Service. June/July 1986. v. 34 (6). p. 6-9. ill. (NAL Call No.: DNAL 1.98 AG84).

1887

The learning behaviour of sheep when introduced to wheat. I. Wheat acceptance by sheep and the effect of trough familiarity.
Chapple, R.S. Wodzicka-Tomaszewska, M.; Lynch, J.J. Amsterdam : Elsevier Science Publishers B.V. *Applied animal behaviour science*. Aug 1987. v. 18 (2). p. 157-162. Includes references. (NAL Call No.: DNAL QL750.A6).

1888

Lupins in grain diets for drought-affected lambs weaned at different ages.
AAHA. Kenney, P.A. Melbourne : Commonwealth Scientific and Industrial Research Organization. *Australian journal of experimental agriculture*. 1987. v. 27 (5). p. 625-628. Includes references. (NAL Call No.: DNAL 23 AU792).

1889

Measurement of performance, behaviour and metabolism of grazing cows.
Stobbs, T.H. Minson, D.J. Brisbane : Queensland Department of Primary Industries, 1983. *Dairy cattle research techniques* / edited by J.H. Ternouth. p. 187-211. Includes references. (NAL Call No.: DNAL SF208.D34).

1890

Measuring feed intake patterns and meal size of lactating dairy cows.
JDSCAE. Heinrichs, A.J. Conrad, H.R. Champaign, Ill. : American Dairy Science Association. *Journal of dairy science*. Mar 1987. v. 70 (3). p. 705-711. ill. Includes references. (NAL Call No.: DNAL 44.8 J822).

1891

Metabolism of high concentrations of dietary zearalenone by young male turkey poult.
POSCAL. Olsen, M. Mirocha, C.J.; Abbas, H.K.; Johansson, B. Champaign, Ill. : Poultry Science Association. *Poultry science*. Oct 1986. v. 65 (10). p. 1905-1910. Includes references. (NAL Call No.: DNAL 47.8 AM33P).

1892

Monitoring the effects of selected compounds on feeding behavior of sheep.
Duquette, P.F. Muir, L.A. Champaign, Ill., American Society of Animal Science. *Journal of animal science*. Oct 1979. v. 49 (4). p. 1120-1124. ill. 14 ref. (NAL Call No.: 49 J82).

1893

Night-time behavior of stabled and pastured peri-parturient ponies.
Houpt, K.A. O'Connell, M.F.; Houpt, T.A.; Carbonaro, D.A. Amsterdam : Elsevier Science Publishers B.V. *Applied animal behaviour science*. May 1986. v. 15 (2). p. 103-111. Includes references. (NAL Call No.: DNAL QL750.A6).

1894

A note on social facilitation and competition in the feeding behaviour of pigs.
Hsia, L.C. ANIPA. Wood-Gush, D.G.M. Harlow : Longman. *Animal production*. Aug 1983. v. 37 (pt. 1). p. 149-152. Includes references. (NAL Call No.: 49 AN55).

1895

A note on the effect of recording frequency on the estimation of grazing time of cattle and sheep (Behavior).
Smith, H.K. Hodgson, J. Amsterdam : Elsevier. *Applied animal ethology*. Jan 1984. v. 11 (3). p. 229-236. Includes references. (NAL Call No.: QL750.A6).

(ANIMAL NUTRITION)

1896

A note on the effects of various diets on the drinking behaviour of wether sheep.

Bass, J.M. ANIPA. Harlow : Longman. Animal production. Oct 1982. v. 35 (pt.2). p. 293-294. 5 ref. (NAL Call No.: 49 AN55).

1897

A note on the feeding behaviour of Australorp and White Leghorn chicks hatched in December and April.

Gupta, S.C. Pandey, J.N. New Delhi, Indian Council of Agricultural Research. Indian journal of animal sciences. Nov 1978. v. 48 (11). p. 839-841. ill. 15 ref. (NAL Call No.: 41.8 IN22).

1898

Note on the grazing behaviour of sheep and goat on natural degraded semi-arid range land (Rajasthan).

Swain, N. New Delhi, India, Indian Council of Agricultural Research. The Indian journal of animal sciences. Sept 1982. v. 52 (9). p. 827-830. (NAL Call No.: 41.8 IN22).

1899

A note on the grazing behaviour of young bulls and steers.

Hinch, G.N. ANIPA. Thwaites, C.J.; Lynch, J.J. Harlow : Longman. Animal production. Oct 1982. v. 35 (pt.2). p. 289-291. 7 ref. (NAL Call No.: 49 AN55).

1900

Nursing apparatus for neonatal piglets (Behavior, artificial nursing, early weaning).

Lewis, N.J. CNJNA. Hurnik, J.F.; Gordon, D.J. Ottawa : Agricultural Institute of Canada. Canadian journal of animal science. Sept 1982. v. 62 (3). p. 975-978. ill. 6 ref. (NAL Call No.: 41.8 C163).

1901

Nutrient content of sheep diets on a serpentine barrens range site.

JRMGA. Rosiere, R.E. Vaughn, C.E. Denver, Colo. : Society for Range Management. Journal of range management. Jan 1986. v. 39 (1). p. 8-13. Includes references. (NAL Call No.: DNAL 60.18 J82).

1902

Nutritional evaluation of south-west Queensland pastures. I. The botanical and nutrient content of diets selected by sheep grazing on Mitchell grass and mulga/grassland associations.

AJAEA. McMeniman, N.P. Beale, I.F.; Murphy, G.M. Melbourne : Commonwealth Scientific and Industrial Research Organization. Australian journal of agricultural research. 1986. v. 37 (3). p. 289-302. Includes references. (NAL Call No.: DNAL 23 AU783).

1903

Objective observations on the behaviour of fattening pigs.

Putten, G. van. Amsterdam, Elsevier. Animal regulation studies. Oct 1980. v. 3 (1/2). p. 105-118. 17 ref. (NAL Call No.: HV4701.A52).

1904

Physiologic controls of ingestive behavior in pigs.

Houpt, T.R. New York : Plenum Press, c1986. Swine in biomedical research / edited by M.E. Tumbleson. Proceedings of a Conference, June 17-20, 1985, Columbia, Missouri.~ Literature review. p. 943-956. Includes references. (NAL Call No.: DNAL RB125.C68 1985).

1905

Physiological criteria for improvement of production efficiency in beef cows subjected to nutritional and environmental "stress" due to fluctuating seasonal grazing conditions /Z. Holzer ... et al. .

Holzer, Z. Bet Dagan, Israel : BARD, 1986. Final report.~ Project no. I-132-80.~ "1987."--Cover. 298 p. ; ill. ; 28 cm. Bibliography: p. 265-291. (NAL Call No.: DNAL SF203.P48).

1906

Plasma glucose and insulin concentrations and feeding behavior in ponies.

Ralston, S.L. Baile, C.A. Champaign, Ill., American Society of Animal Science. Journal of animal science. June 1982. v. 54 (6). p. 1132-1137. Includes 15 ref. (NAL Call No.: 49 J82).

1907

Post-partum interval to oestrus in monozygous twin cows and possible effects of maternal bonding (Behavior, feeding, suckling).

MacMillan, K.L. Wellington : Dept. of Scientific and Industrial Research. New Zealand journal of agricultural research. 1983. v. 26 (4). p. 451-454. ill. Includes = references.

(ANIMAL NUTRITION)

(NAL Call No.: 23 N4892).

1908

Preliminary observations on the performance of village pigs (*Sus scrofa papuensis*) under intensive outdoor management. III. Behaviour at tether (Papua New Guinea).

Rose, C.J. SCNGA. Papua : University of Papua New Guinea. Science in New Guinea. Apr 1983. v. 9 (1). p. 11-17. illl. Includes references. (NAL Call No.: Q4.S25).

1909

The principles underlying choice feeding behaviour in fowls--with special reference to production experiments.

Hughes, B.O. Aylesbury : World's Poultry Science Association. World's poultry science journal. June 1984. v. 40 (2). p. 141-150. Includes references. (NAL Call No.: 47.8 W89).

1910

Productive behaviour of crossbred cows at different stages of a complete lactation under usual practice of feeding.

IJASA4. Nayak, J.B. Maitra, D.N. New Delhi : Indian Council of Agricultural Research. The Indian journal of animal sciences. Sept 1985. v. 55 (9). p. 828-831. Includes references. (NAL Call No.: DNAL 41.8 IN22).

1911

The reaction of grazing sheep and cattle to the presence of dung from the same or the other species.

GSCFD. Forbes, T.D.A. Hodgson, J. Oxford : Blackwell Scientific Publications. Grass and forage science. June 1985. v. 40 (2). p. 177-182. Includes references. (NAL Call No.: DNAL 60.19 B773).

1912

Relationship of milk intake by sucking and by drinking to reticular-groove reactions and ingestion behavior in calves.

JDSCAE. Wise, G.H. Anderson, G.W.; Linnerud, A.C. Champaign, Ill. : American Dairy Science Association. Journal of dairy science. Sept 1984. v. 67 (9). p. 1983-1992. Includes 37 references. (NAL Call No.: DNAL 44.8 J822).

1913

Restricted feeding time and the behaviour of caged laying hens.

BPOSA. Preston, A.P. Oxfordshire : Carfax Publishing Company. British poultry science. Sept 1987. v. 28 (3). p. 387-396. Includes references. (NAL Call No.: DNAL 47.8 B77).

1914

A review of current poultry feeding systems and their potential acceptability to animal welfarists.

WPSJA. Karunajeewa, H. Aylesbury : World's Poultry Science Association. World's poultry science journal. Literature review. Feb 1987. v. 43 (1). p. 20-32. Includes references. (NAL Call No.: DNAL 47.8 W89).

1915

Seasonal changes in the home range and the size of harem groups of Misaki horses (Pasture grazing, behavior, Japan).

Kaseda, Y. NICKA. Tokyo : Nihon Chikusan Gakkai. Nihon Chikusan Gakkai ho = Japanese journal of zootechnical science. Apr 1983. v. 54 (4). p. 254-262. illl., maps. Includes references. (NAL Call No.: 49 N62).

1916

Seasonal diets of camels, cattle, sheep, and goats in a common range in eastern Africa.

JRMGA. Migongo-Bake, W. Hansen, R.M. Denver, Colo. : Society for Range Management. Journal of range management. Jan 1987. v. 40 (1). p. 76-79. Includes references. (NAL Call No.: DNAL 60.18 J82).

1917

Selection by grazing sheep of pasture plants at low herbage availability and responses of the plants to grazing.

AJAE. Broom, D.M. Arnold, G.W. Melbourne : Commonwealth Scientific and Industrial Research Organization. Australian journal of agricultural research. 1986. v. 37 (5). p. 527-538. Includes references. (NAL Call No.: DNAL 23 AU783).

1918

Self-selection by laying hens of diets differentiated by texture and color.

POSICAL. Summers, J.D. Leeson, S. Champaign, Ill. : Poultry Science Association. Poultry science. Feb 1985. v. 64 (2). p. 411-413. Includes references. (NAL Call No.: DNAL 47.8 AM33P).

(ANIMAL NUTRITION)

1919

Sexual dimorphism in broilers following periods of equal water and feed intake.
POSCAL. Marks, H.L. Champaign, Ill. : Poultry Science Association. Poultry science. Mar 1987. v. 66 (3). p. 381-389. Includes references.
(NAL Call No.: DNAL 47.8 AM33P).

1920

Silage and milk production: a comparison between grass silages of different chop lengths and digestibilities (Feeding experiment with lactating cows and an eating-behavior study with non-lactating cows).
Castle, M.E. Gill, M.S.; Watson, J.N. Oxford, Blackwell Scientific Publications. Grass and forage science. Mar 1981. v. 36 (1). p. 31-37. 11 ref. (NAL Call No.: 60.19 B773).

1921

A simple electronic device and computer interface system for monitoring chewing behavior of stall-fed ruminant animals.
JDSCAE. Luginbuhl, J.M. Pond, K.R.; Russ, J.C.; Burns, J.C. Champaign, Ill. : American Dairy Science Association. Journal of dairy science. June 1987. v. 70 (6). p. 1307-1312. ill. Includes references. (NAL Call No.: DNAL 44.8 J822).

1922

Site and extent of neutral detergent fiber digestion, efficiency of ruminal digesta flux and fecal output as related to variations in voluntary intake and chewing behavior in heifers.
JANSAG. Deswysen, A.G. Ellis, W.C. Champaign, Ill. : American Society of Animal Science. Journal of animal science. Oct 1988. v. 66 (10). p. 2678-2686. Includes references. (NAL Call No.: DNAL 49 J82).

1923

Social aspects of feeding behaviour in chickens.
Cunningham, D.L. Ithaca, The Conference. Proceedings. Cornell Nutrition Conference for Feed Manufacturers. 1979. 1979. p. 113-118. ill. 31 ref. (NAL Call No.: 389.79 C81).

1924

Social facilitation in the feeding behaviour of pigs and the effect of rank.
Hsia, L.C. Wood-Gush, D.G.M. Amsterdam : Elsevier. Applied animal ethology. Jan 1984. v. 11 (3). p. 265-270. Includes references. (NAL Call No.: QL750.A6).

1925

Social facilitation of feeding and time budgets in stabled ponies.
JANSAG. Sweeting, M.P. Houpt, C.E.; Houpt, K.A. Champaign, Ill. : American Society of Animal Science. Journal of animal science. Feb 1985. v. 60 (2). p. 369-374. Includes references.
(NAL Call No.: DNAL 49 J82).

1926

Social interactions and induced behavioural reactions in milk-fed female calves.
Canali, E. Verga, M.; Montagna, M.; Baldi, A. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. Nov 1986. v. 16 (3). p. 207-215. Includes references. (NAL Call No.: DNAL QL750.A6).

1927

Some effects of pasture management on the grazing behaviour of sheep.
Penning, P.D. Darmstadt : Kuratorium fur Technik und Bauwesen in der Landwirtschaft, 1984? . Proceedings of the International Congress on Applied Ethology in Farm Animals, Kiel, 1984 / edited by J. Unshelm, G. van Putten and K. Zeeb ; sponsored by the Federal Ministry of Food, Agriculture and Forestry. p. 236-238. Includes references. (NAL Call No.: DNAL SF756.7.I5 1984).

1928

Some effects of sward conditions on grazing behaviour and intake by sheep.
NASSD. Penning, P.D. New York, N.Y. : Plenum Press. NATO advanced science institutes series : Series A : Life sciences. In the series analytic: Grazing research at northern latitudes / edited by O. Gudmundsson. Paper presented at a Workshop, August 5-10, 1985, Hvanneyri, Iceland. 1986. v. 108. p. 219-226. Includes references. (NAL Call No.: DNAL QH301.N32).

1929

Some indicators of welfare of crated veal calves on three dietary iron regimens.
JANSAG. McFarlane, J.M. Morris, G.L.; Curtis, S.E.; Simon, J.; McGlone, J.J. Champaign, Ill. : American Society of Animal Science. Journal of animal science. Feb 1988. v. 66 (2). p. 317-325. Includes references. (NAL Call No.: DNAL 49 J82).

(ANIMAL NUTRITION)

1930

Some observations on the behaviour of dairy cattle using cow-activated out-of-parlour concentrate dispensers.

Little, W. Harrison, R.D. Cambridge : Cambridge University Press. Journal of dairy research. May 1984. v. 51 (2). p. 199-207. ill. Includes references. (NAL Call No.: 44.8 J823).

IN22).

1931

Space and equipment requirements for feeding in cattle housing.

Zappavigna, P. CTVSD. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1983. Paper presented at the Seminar on Farm Animal Housing and Welfare, Aberdeen, July 28-30, 1982. v. 24. p. 155-163. ill. Includes references. (NAL Call No.: SF600.C82).

1936

Sucking behavior of dairy calves fed milk ad libitum by bucket or teat.

Hammell, K.L. Metz, J.H.M.; Mekking, P. Amsterdam : Elsevier Science Publishers, B.V. Applied animal behaviour science. Aug 1988. v. 20 (3/4). p. 275-285. Includes references. (NAL Call No.: DNAL QL750.A6).

1932

Stereotypies, aggression and the feeding schedules of tethered sows.

Rushen, J.P. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. July 1985. v. 14 (2). p. 137-147. Includes 21 references. (NAL Call No.: DNAL QL750.A6).

1937

Supplementary feeding of forage to grazing dairy cows. 1. Offering hay to dairy cows at high and low stocking rates.

GSCFD. Phillips, C.J.C. Leaver, J.D. Oxford : Blackwell Scientific Publications. Grass and forage science. June 1985. v. 40 (2). p. 183-192. Includes references. (NAL Call No.: DNAL 60.19 B773).

1938

Supplementary feeding of forage to grazing dairy cows. 2. Offering grass silage in early and late season.

GSCFD. Phillips, C.J.C. Leaver, J.D. Oxford : Blackwell Scientific Publications. Grass and forage science. June 1985. v. 40 (2). p. 193-199. Includes references. (NAL Call No.: DNAL 60.19 B773).

1933

Stocking rate and the ecosystem: some interrelationships of pasture availability, grazing behaviour and productivity of Merino sheep on sown annual pasture in south Australia.

Carter, E.D. Buenos Aires, Luis S. Verde y Angel Fernandez Editores. Conferencia Mundial de Producción Animal = World Conference on Animal Production. 1978 (pub. 1980). v. 2. p. 482-490. ill. Includes 8 ref. (NAL Call No.: SF5.W6).

1939

Survival of lambs.

JAWAA. Kelly, R. Lindsay, D. South Perth : Department of Agriculture, Western Australia. Journal of agriculture, Western Australia. 1987. v. 28 (3). p. 99-103. ill. (NAL Call No.: DNAL 23 W52U).

1934

Strategies for studying ingestive behavior in large domestic and feral animals.

Houpt, K.A. Houpt, T.R. Amsterdam : Elsevier, 1987. Feeding and drinking / editors, F.M. Toates and N.E. Rowland. p. 367-392. ill. Includes references. (NAL Call No.: DNAL QL756.5.F44).

1940

Tampering with food by laying hens.

NICKA3. Tanaka, T. Yoshimoto, T. Tokyo : Japanese Society of Zootecnical Science. Nihon Chikusan Gakkai ho = Japanese journal of zootecnical science. Dec 1985. v. 56 (12). p. 994-996. Includes references. (NAL Call No.: DNAL 49 N62).

1935

Studies on the pasture quality and grazing behaviour of sheep under semi-arid conditions.

More, T. Sahni, K.L. New Delhi, Indian Council of Agricultural Research. The Indian journal of animal sciences. Sept 1980. v. 50 (9). p. 727-732. ill. 16 ref. (NAL Call No.: 41.8

1941

A technique for the measurement of grazing behaviour.

CTVSD. Penning, P.D. Osbourn, D.F. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. Paper presented at the "Seminar on Grassland Beef Production," July 25-27, 1983, Ashford, England. 1984. (28).

(ANIMAL NUTRITION)

p. 161-164. ill. Includes references. (NAL Call No.: DNAL SF600.C82).

1942

A technique to record automatically some aspects of grazing and ruminating behavior in sheep.

Penning, P.D. GSFCD. Oxford : Blackwell Scientific Publications. Grass and forage science. June 1983. v. 38 (2). p. 89-96. ill. Includes references. (NAL Call No.: 60.19 B773).

1943

The temporal patterns of food intake and alleloimimetic feeding by pigs of different ages (Behavior, nutrition).

Hsia, L.C. Wood-Gush, D.G.M. Amsterdam : Elsevier. Applied animal ethology. Jan 1984. v. 11 (3). p. 271-282. Includes references. (NAL Call No.: QL750.A6).

1944

Time variations in grazing sheep behaviour to the management practices on pastures.

Lerivain, E. Darmstadt : Kuratorium fur Technik und Bauwesen in der Landwirtschaft, 1984? . Proceedings of the International Congress on Applied Ethology in Farm Animals, Kiel, 1984 / edited by J. Unshelm, G. van Putten and K. Zeeb ; sponsored by the Federal Ministry of Food, Agriculture and Forestry. p. 264-269. ill. Includes references. (NAL Call No.: DNAL SF756.7.I5 1984).

1945

Using digital pedometers to monitor travel of cows grazing arid rangeland.

Anderson, D.M. Urquhart, N.S. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. Aug 1986. v. 16 (1). p. 11-23. Includes references. (NAL Call No.: DNAL QL750.A6).

1946

Variation among pregnant, non-lactating dairy cows in eating and ruminating behavior digestibility and voluntary intake of hay.

GSFCD. Harb, M.Y. Campling, R.C. Oxford : Blackwell Scientific Publications. Grass and forage science. Mar 1985. v. 40 (1). p. 109-111. Includes references. (NAL Call No.: DNAL 60.19 B773).

1947

Variation in utilization of big sagebrush accessions by wintering sheep.

JRMGA. Welch, B.L. McArthur, E.D.; Rodriguez, R.L. Denver, Colo. : Society for Range Management. Journal of range management. Mar 1987. v. 40 (2). p. 113-115. Includes references. (NAL Call No.: DNAL 60.18 J82).

1948

Variations in herbage mass and digestibility, and the grazing behaviour and herbage intake of adult cattle and weaned calves.

Hodgson, J. Jamieson, W.S. Oxford, Blackwell Scientific Publications. Grass and forage science. Mar 1981. v. 36 (1). p. 39-48. ill. Bibliography p. 47-48. (NAL Call No.: 60.19 B773).

1949

Who's boss at the milk bar? (Feeding of piglets at an artificial sow in order to study suckling behaviour).

Foster, J. Ipswich, Eng., Farming Press. Pig farming. May 1981. v. 29 (5). p. 24-25, 27. ill. (NAL Call No.: 46.8 P623).

1950

Winter grazing activity and forage intake of range cows in the Northern Great Plains.

JANSAG. Adams, D.C. Nelsen, T.C.; Reynolds, W.L.; Knapp, B.W. Champaign, Ill. : American Society of Animal Science. Journal of animal science. May 1986. v. 62 (5). p. 1240-1246. Includes references. (NAL Call No.: DNAL 49 J82).

1951

Adaptive behaviour, feed consumption and milk production by milking cows fed from Alfa-Feed automatic dispenser. Hungarian.

Pojtner, M. Szucs, E.; Biro, I.; Minczinger, L. Budapest : Hirlapkiado Vallalat. Allattenyeszes es takarmanyozas = Animal breeding and feeding. 1982. v. 31 (6). p. 513-519. ill. Includes references. (NAL Call No.: 49 AL57).

1952

Aspects of growth and alimentary behavior of chickens raised in batteries (Density of chickens per unit of space). ROMANIAN.

Boisteanu, I. Grigoras, D.; Folea, O.; Boisteanu, A.; Brezuleanu, S. Iasi, (s.n.). Lucrari stiintifice. Seria Zootehnice Medicina veterinara. 1978. 1978. p. 73-74. plate. 4 ref. (NAL Call No.: SF695.R615).

(ANIMAL NUTRITION)

1953

Behavior and clinical-physiological indicators of lambs at different dates of weaning from the ewes. Russian.
IAshunin, V.G. Svinchenko, T.T.; Sidakova, V.T. Moskva : Izdatel'stvo "Kolos". Ovtsevodstvo. July 1981. July 1981. (7). p. 29-30. (NAL Call No.: 45.8 OV72).

1954

Behavior of cattle and sheep on alpine pastures (Livestock management). French.
Favre, Y. Versailles, Institut national de la recherche agronomique. Utilisation par les ruminants des paturages = Cattle utilization of Mediterranean high altitude pastures and trials. 1978 (pub. 1979). 1978 (pub. 1979). p. 177-206. ill., maps. Includes ref. (NAL Call No.: SF95.U6).

1955

Behavior of milk cows on intensive pasturage. Slovak.
Kotvas, R. Vavak, V. Bratislava, Czechoslovakia : Slovenskej akademie vied. Pol'nohospodarstvo = Agriculture. 1984. v. 30 (3). p. 228-236. Includes references. (NAL Call No.: 19.5 P752).

1956

Behavior of piglets in regard to fodder feed and preference to sour substances. Romanian.
Isar, M.RCAND. Isar, O. Bucuresti : Ministerul Agriculturii si Industriei Alimentare. Revista de cresterea animalelor. Feb 1983. v. 33 (2). p. 53-56. Includes references. (NAL Call No.: 49 P943).

1957

Behavior of young sheep and cattle on meadows (Pastures, grazing, Romania). Romanian.
Marusca, T.RCAND. Bucuresti : Ministerul Agriculturii si Industriei Alimentare. Revista de cresterea animalelor. May 1982. v. 32 (5). p. 7-14. ill. Includes references. (NAL Call No.: 49 P943).

1958

Behaviour of heifers with a reduced number of feeding places at the trough. SLOVAK.
Kovalcik, K. Kovalcikova, M. Bratislava, Slovenska akademia vied. Pol'nohospodarstvo. 1979. v. 25 (4). p. 356-363. ill. 5 ref. (NAL Call No.: 19.5 P752).

1959

Behaviour of suckling and weaned piglets. Polish.
Malysa, A. Krakow : Instytut. Biuletyn informacyjny - Krakow, Instytut Zootechniki, Zaklad Informacji Zootechnicznej. 1982. v. 20 (b). p. 55-60. ill. Includes references. (NAL Call No.: SF1.K7).

1960

Breed characteristics of the productivity and behavior of young bulls fattened under the conditions of the industrial technology. RUSSIAN.
Khrapkovskii, A.I. Venediktova, T.N.; Sorokin, A.M.; Karavaeva, E.A. Moskva, "Kolos". Sel'skokhozaiystvennaya biologiya. Jan/Feb 1979. v. 14 (1). p. 83-87. ill. 4 ref. (NAL Call No.: S13.S44).

1961

Changes in feeding behavior of laying hens with the rising environmental temperature. Japanese.
Tanaka, T. Hirosawa, T.; Yoshimoto, T.; Mimura, K. Chiba-shi : Japan Poultry Science Association. Japanese poultry science. Mar 1984. v. 21 (2). p. 82-88. ill. Includes references. (NAL Call No.: 47.8 N57).

1962

Changes of feeding behaviour of laying hens with reduction in feeding time. Japanese.
Tanaka, T. Yoshimoto, T.; Mimura, K. Tokyo : Nihon Chikusan Gakkai. Nihon Chikusan Gakkai ho = Japanese journal of zootechnical science. Dec 1983. v. 54 (12). p. 798-804. ill. Includes references. (NAL Call No.: 49 N62).

1963

Correlations between production parameters and social hierarchy of fattening pigs (Behavior). Hungarian.
Kiraly, A. Wittmann, M. Budapest : Hirlapkiado Vallalat. Allattenyesztes es takarmanyozas = Animal breeding and feeding. 1983. v. 32 (1). p. 45-52. ill. Includes references. (NAL Call No.: 49 AL57).

1964

Data on feeding behaviour of sheep. Hungarian.
Czako, J. Santha, T.; Gaal, M.; Ravasz, Mrs. T.; Bodis, Mrs. L. Budapest : Hirlapkiado Vallalat. Allattenyesztes es takarmanyozas = Animal breeding and feeding. 1982. v. 31 (6). p. 539-548. Includes references. (NAL Call No.: 49 AL57).

(ANIMAL NUTRITION)

1965

Data on formation of harmful suckling among calves (Behavior). Hungarian.
Gere, T. ALTZA. Fazekas, D.; Patonai, J.
Budapest, Hirlapkiado Vallalat. Allattenyesztes es takarmanyozas. = Animal breeding and feeding. 1981. v. 30 (3). p. 257-261. ill. 7 ref. (NAL Call No.: 49 AL57).

1966

Diurnal pattern of weight change of dairy heifers as a characteristic of the grazing behaviour under rotational grazing. Japanese.
Suzuki, S. Sawamura, H. Tochigi, The Society. Nippon Sochi Gakkai shi = Journal of Japanese Society of Grassland Science. Oct 1981. v. 27 (3). p. 324-331. ill. Includes 13 ref. (NAL Call No.: 60.9 J27).

1967

Effect of a change in the stability of a group of fattened bulls on their performance and behavior. Czech.
Dolezal, O. Praha : Ustav. Zivocisna výroba - Ceskoslovenska akademie zemedelska, Ustav vedeckotechnickych informaci pro zemedelstvi. Feb 1984. v. 29 (2). p. 161-166. Includes references. (NAL Call No.: 49.9 C33).

1968

Effect of factors of management on the production and behaviour of cows of different genotype. Hungarian.
Czako, J. ALTZA. Dohy, J.; Guba, S.; Pojtnar, M.; Santha, Mrs. T. Budapest, Hirlapkiado Vallalat. Allattenyesztes es takarmanyozas. = Animal breeding and feeding. 1981. v. 30 (3). p. 225-237. ill. 14 ref. (NAL Call No.: 49 AL57).

1969

The effect of frequency of feeding on eating and rumination behaviour of Hungarofriz cows. HUNGARIAN.
Nagy, T. Budapest, Hirlapkiado Vallalat. Allattenyesztes. = Animal breeding. 1980. v. 29 (2). p. 183-188. 12 ref. (NAL Call No.: 49 AL57).

1970

Effect of social stimulatin on feeding behaviour in the domestic duck. Japanese.
Matsuzawa, Y. Ibaraki-ken, The Faculty. Gakujutsu hokoku = Scientific reports of the Faculty of Agriculture, Ibaraki University. Oct 1980. Oct 1980. (28). p. 39-51. ill. Includes 32 ref. (NAL Call No.: S303.A1I2).

1971

Effect of the number of growing piglets per cage on their growth, feed conversion and behavior. Bulgarian.
Benkov, M. Kirov, M. Sofiia : Bulgarska akademiiia na naukite. Zhivotnovudni nauki = Animal science. 1984. v. 21 (1). p. 59-63. Includes references. (NAL Call No.: 49 Z65).

1972

Effect of the suckling period with colostrum on the behavior of dairy calves. Spanish.
Ruiz, M.E. Perez, E.; Medina, R. San Jose, Costa Rica, Instituto Interamericano de Ciencias Agricolas. Turrialba. Jan/Mar 1981. v. 31 (1). p. 21-26. 33 ref. (NAL Call No.: 8 T86).

1973

Feed consumption of lactating sows with different feeding intensities during pregnancy, with concentrated feed as well as feeding behavior in boxes and in farrowing crates. GERMAN.

Ivanovski, R. Burgstaller, G. Munchen. Bayerisches landwirtschaftliches Jahrbuch. 1978. v. 55 (3). p. 363-367. ill. 10 ref. (NAL Call No.: 18 L24).

1974

Feeding behavior of laying hens fed pellets, crumbles or mash feed. Japanese.
Tanaka, T. Yoshimoto, T.; Mimura, K. Tokyo : Nihon Chikusan Gakkai. Nihon Chikusan Gakkai ho = Japanese journal of zootechnical science. July 1983. v. 54 (7). p. 433-438. ill. Includes references. (NAL Call No.: 49 N62).

1975

Feeding behaviour of caged hens. German.
Stremmel, W. ARTZA. Berlin, E. Ger. : Akademie der Landwirtschaftswissenschaften der Deutschen Demokratischen Republik. Archiv fur Tierzucht. 1983. v. 26 (1). p. 69-77. ill. Includes references. (NAL Call No.: 49 AR23).

1976

Feeding behaviour of horses in stables. FRENCH.
Doreau, M. Paris, Institut national de la recherche agronomique. Annales de zootechnie. 1978. v. 27 (3). p. 291-302. ill. 19 ref. (NAL Call No.: 49 F84).

(ANIMAL NUTRITION)

1977

Feeding of ducks according to their eating behavior. German.
TIZUA. Reiter, K. Berlin, E. Ger. : Akademie der Landwirtschaftswissenschaften der DDR. Tierzucht. Sept 1984. v. 38 (9). p. 402-403. ill. (NAL Call No.: DNAL 49 T443).

1978

Feeding slaughter swine according to appetite and behavior. DANISH.
Moller, J. Leth-Espensen, F. Kobenhavn, Danske Dyrlaegeforening. Dansk veterinærteidsskrift. Sept 15, 1979. v. 62 (18). p. 897-899. ill. 5 ref. (NAL Call No.: 41.9 D23).

1979

Grazing behaviour of sheep. HUNGARIAN.
Czako, J. Gaal, M.; Santha, T. Budapest, Hirlapkiado Vallalat. Allattenyesztes. = Animal breeding. 1979. v. 28 (4). p. 363-371. ill. 8 ref. (NAL Call No.: 49 AL57).

1980

Impact of technological factors on milk production and behaviour of cows. II. Effect of change of size of feeding place on milk production and behaviour of cows. Hungarian.
Czako, J. ALTZA. Dohy, J.; Guba, S.; Pojtner, M.; Santha, Mrs. T. Budapest, Hirlapkiado Vallalat. Allattenyesztes es takarmanyozas. = Animal breeding and feeding. 1981. v. 30 (4). p. 297-303. 9 ref. (NAL Call No.: 49 AL57).

1981

Influence of the lighting regime on feeding behavior and weight gains of broiler chickens raised in cages.
Boisteanu, I. Folea, O.; Brezuleanu, S.; Cocos, L.; Boisteanu, A. Iasi, (s.n.). Lucrari stiintifice. Seria Zootehnica Medicina veterinara. 1979. v. 23. p. 77-78. 3 ref. (NAL Call No.: SF695.R6I5).

1982

Influence of the season on the feeding behaviour of sheep receiving green forage in a wet tropical zone (Guadeloupe). FRENCH.
Michalet-Doreau, B. Xande, A. Paris, Institut national de la recherche agronomique. Annales de zootechnie. 1979 (pub. 1980). v. 28 (4). p. 381-392. ill. 15 ref. (NAL Call No.: 49 F84).

1983

Investigation on the effect of feeding process on animal welfare in the calf. 2. Biochemical and health consequences of hydric and energizing feeding in sorting centers. French.
Morisse, J.P. RMVEA. Maisons-Alfort : Ecole nationale vétérinaire, Alfort. Recueil de medecine veterinaire. 1983. v. 159 (4). p. 409-417. ill. Includes references. (NAL Call No.: 41.8 R24).

1984

Investigations of the use of pellets with a quota of roughage for rearing calves. 5. Influence of various quotas of straw and solids of swine slurry in pellets for rearing calves on the ruminating behaviour, the pH (hydrogen-ion concentration) value and volatile fatty acids in the rumen fluid and on the development of the omasum. GERMAN.
Hennig, A. Lohnert, H.J. Berlin, Akademie-Verlag. Archiv fur Tierernahrung. Nov 1979. v. 29 (11). p. 721-730. ill. 35 ref. (NAL Call No.: 389.78 AR22).

1985

Mating behavior of a beef bull to a group of estrous cows in pasture and its productive efficiency. Japanese.
Masaki, J. Ohta, M.; Hayashi, K. Tokyo, Japanese Society of Zootechnical Science. Nihon Chikusan Gakkai ho = Japanese journal of zootechnical science. Aug 1981. v. 52 (8). p. 572-578. ill. Includes 8 ref. (NAL Call No.: 49 N62).

1986

Observations on some aspects of motor activity of cows at pasture and in loose-housing (Behavior, grazing). Italian.
Cicogna, M. ZNAND. Greppi, G.; Rosi, F. Bologna : Edagricole. Zootecnica e nutrizione animale. June 1982. v. 8 (3). p. 213-219. ill. 5 ref. (NAL Call No.: SF1.Z6).

1987

Pig feeding in a stable the front door of which is open. II: Behaviour and health. German.
Etter, H. Jakob, P. Bern, Benteli. Schweizerische landwirtschaftliche Monatshefte. May/June 1981. v. 59 (5/6). p. 203-211. Includes 11 ref. (NAL Call No.: 17 SCH93).

(ANIMAL NUTRITION)

1988

Poultry feeding and behavior (Review). Russian. Sergeev, V.A. Sergeev, V.D. Moskva : "Kolos". Sel'skoe khozaiystvo za rubezhom. Aug 1980. Literature review. Aug 1980. (8). p. 38-41. 36 ref. (NAL Call No.: S13.S45).

1989

Provision of slaughter swine with compost (as a feed supplement) for improving their wellbeing (Behavior). Kerk, P. van de. Bure, R.G.; Uum, W. van. Den Haag, Ministerie van Landbouw en Visserij.

Bedrijfsontwikkeling. Jan 1981. v. 12 (1). p. 45-47. ill. (NAL Call No.: S11.B43).

1990

Regulation of feed behavior with the aid of volatile fatty acids and its effect on metabolism in ruminants (Rams).

P'ianov, V.D. Butrova, G.A.; Sorokin, V.M.; Vostrova, L.N. Moskva, "Kolos". Sel'skokhozaiistvennaya biologiya. Jan/Feb 1980. v. 15 (1). p. 61-66. ill. 18 ref. (NAL Call No.: S13.S44).

1991

Reproductive behaviour of Devon cows in range conditions with or without feed supplements in the winter (Rio Grande do Sul, Brazil).

Freitas, E.A.G. de. Ferreira, F.C. Porto Alegre. Anuario tecnico do Instituto de Pesquisas ZootecnicasInstituto de Pesquisas Zootecnicas. Aug 1978. v. 5 (1). p. 131-172. ill. 8 ref. (NAL Call No.: SF27.B7I5).

1992

Rhythms of feed, calcium and water consumption in laying hens. III. Behavior in the 2 light:8 dark: 2 light:12 dark photoperiod sequence. FRENCH.

Mongin, P. Nys, Y.; Sauveur, B. Clermont-Ferrand, Le Groupe. Bulletin du Groupe d'étude des rythmes biologiques.Groupe d'étude des rythmes biologiques. 1979. v. 11 (1). p. 55-57. ill. 2 ref. (NAL Call No.: QH527.G7).

1993

Social facilitation of feeding behaviour in chick. Japanese.

Matsuzawa, Y. Horikoshi, T. Tokyo, Japan Poultry Science Association. Nihon Kakin Gakkai shi = Japanese poultry science. Nov 1981. v. 18 (6). p. 319-327. ill. Includes 19 ref. (NAL Call No.: 47.8 N57).

1994

Some physiological peculiarities and alimentary behavior connected to the regime of illumination of broiler chickens grown in batteries (Weight gain, effects of feeding). ROMANIAN.

Boisteanu, I. Folea, O.; Boisteanu, A.; Brezuleanu, S.; Cocos, L.; Margarint, I. Iasi, (s.n.). Lucrari stiintifice. Seria Zootehnice Medicina veterinara. 1978. 1978. p. 71-72. 4 ref. (NAL Call No.: SF695.R6I5).

1995

Stabilization of behavior of young Romania Brown breed cows on pasture (Romania, effects of grazing at various altitudes and seasons on liveweight gain).

Mihai, G. Serban, D.; Barbura, T.; Stoica, O. Cluj-Napoca, (s.n.), 1980. Lucrarile sectiei de ameliorare si tehnologie de crestere la taurine si ovine / (colectiv de redactie Petre Adrian, Velea Constantin ; sef lucr. Morar Roman ; tehnoredactor: Sopa Sorin). Simpozionul "Probleme de Ameliorare, Tehnologie de Crestere si Patologie la Taurine si Ovine" (1979 : Cluj-Napoca, Rumania). p. 121-128. ill. 4 ref. (NAL Call No.: SF201.S53).

1996

Stimulation of feeding behavior in suckling piglets. RUSSIAN.

Pushkarskii, V.G. Moskva, "Kolos". Vestnik sel'skokhozaiistvennoi nauki. Aug 1979. Aug 1979. (8). p. 82-87. ill. 42 ref. (NAL Call No.: 20 V633).

1997

Studies on the effect of feeding frequency on fattening performance and behavior of swine.

Kracht, W. Ohle, H.O.; Matzke, W.; Bolduan, G.; Wachtl, R. Berlin, E. Ger., Akademie der Landwirtschaftswissenschaften der DDR. Tierzucht. June 1982. v. 36 (6). p. 276-279. (NAL Call No.: 49 T443).

1998

Study of the behavior of artificially motherless reared sheep using feeding methods. German.

May, Ursula, 1956-. Giessen : s.n. , 1986. English summary.~ Includes vita. 166 p. : ill. ; 21 cm. Bibliography: p. 154-166. (NAL Call No.: DNAL 105.8 G36 1986 no.3).

(ANIMAL NUTRITION)

1999

Supply of requirements and avoidance of harm in the horse with regard to feeding, locomotion, social behavior, and evasion from inimical contacts. German.

Zeeb, K. Hannover, W. Ger. : Bundesverband praktischer Tierarzte. Der praktische Tierarzt. May 1, 1984. v. 65 (5). p. 432-434, 436, 439. Includes references. (NAL Call No.: 41.8 P882).

2000

Supply of straw, compost and garden mold to fattening pigs (Abnormal behavior, cannibalism). Dutch.

Bure, R.G. Kerk, P. van de; Koomans, P. Wageningen : Het Instituut. Publikatie - Instituut voor Mechanisatie, Arbeid en Gebouwen. Dec 1983. (190). 23 p. ill. Includes references. (NAL Call No.: S671.I56).

ANIMAL PHYSIOLOGY AND BIOCHEMISTRY

2001

Absence of relationship between activity and plasma cortisol in pregnant tethered sows.
Cariolet, R. Dantzer, R. Darmstadt : Kuratorium fur Technik und Bauwesen in der Landwirtschaft, 1984? . Proceedings of the International Congress on Applied Ethology in Farm Animals, Kiel, 1984 / edited by J. Unshelm, G. van Putten and K. Zeeb ; sponsored by the Federal Ministry of Food, Agriculture and Forestry. p. 221-225. Includes references. (NAL Call No.: DNAL SF756.7.I5 1984).

2002

Adaptation to, and energy costs of, tethering in pregnant sows.
CTVSD. Cronin, G.M. Barnett, J.L. Dordrecht : Martinus Nijhoff Publishers. Current topics in veterinary medicine and animal science. In the series analytic: Energy metabolism in farm animals / edited by M.W.A. Verstegen and A.M. Henken. 1987. v. 44. p. 51-62. Includes references. (NAL Call No.: DNAL SF600.C82).

2003

Advantages and problems of using integrated systems of indicators as compared to single traits (Biological indicators, animal welfare).
Smidt, D. CTVSD. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1983. Paper presented at the Seminar on Indicators Relevant to Farm Animal Welfare, Mariensee, 9-10 November 1982. v. 23. p. 201-207. illl. Includes references. (NAL Call No.: SF600.C82).

2004

Aerosolized 5 alpha-androst-16-en-3-one reduced agonistic behavior and temporarily improved performance of growing pigs.
JANSAG. McGlone, J.J. Stansbury, W.F.; Tribble, L.F. Champaign, Ill. : American Society of Animal Science. Journal of animal science. Sept 1986. v. 63 (3). p. 679-684. Includes references. (NAL Call No.: DNAL 49 J82).

2005

Anatomical modifications and induced mounting. 2. Welfare aspects related to number of laying periods of hens (Poultry, physiology).
Simonsen, H.B. Denmark, W.P.S.A., Danish Branch. Proceedings ... European Symposium on Poultry Welfare. 1981. 1981. (1st). p. 177-182. Includes 32 ref. (NAL Call No.: HD9437.E9).

2006

Animal welfare lessons from work on poultry (Ecological and physiological evaluation).
Duncan, I.J.H. Basel, Birkhauser Verlag. Tierhaltung. 1981. v. 11. p. 39-46. Includes 4 p. ref. (NAL Call No.: SF105.T5).

2007

Applicability of indicators in animal welfare research (Behavior, physiological parameters, clinical diagnosis).
Unshelm, J. CTVSD. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1983. Paper presented at the Seminar on Indicators Relevant to Farm Animal Welfare, Mariensee, 9-10 November 1982. v. 23. p. 225-231. Includes references. (NAL Call No.: SF600.C82).

2008

Application of an integrated system of indicators in animal welfare research (Housing conditions, cattle, pigs).
Schlichting, M.C. CTVSD. Andreae, U.; Thielscher, H.H.; Smidt, D. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1983. Paper presented at the Seminar on Indicators Relevant to Farm Animal Welfare, Mariensee, 9-10 November 1982. v. 23. p. 215-221. illl. Includes references. (NAL Call No.: SF600.C82).

2009

Applications of neurobiological studies to farm animal welfare.
CTVSD. Broom, D.M. Dordrecht : Martinus Nijhoff Publishers. Current topics in veterinary medicine and animal science. In the series analytic: Biology of stress in farm animals: an integrative approach / edited by P.R. Wiepkema and P.W.M. van Adrichem. A seminar in the CEC programme of coordination research on animal welfare, April 17-18, 1986, Oosterbeek, Netherlands. ~ Literature review. 1987. v. 42. p. 101-110. Includes references. (NAL Call No.: DNAL SF600.C82).

2010

The approach and preference behaviour of chicks in relation to the intensity of neural-input effects.
Bengtsson, H. ANBEA. London : Bailliere Tindall. Animal behaviour. May 1983. v. 31 (pt. 2). p. 490-496. Includes references. (NAL Call No.: 410 B77).

(ANIMAL PHYSIOLOGY AND BIOCHEMISTRY)

2011

Aspects of ingestive behavior in cattle.
JANSAG. Bell, F.R. Champaign, Ill. : American Society of Animal Science. Journal of animal science. Paper presented at the Symposium on "Controls of Feeding Farm Animals," held July 28, 1983, Washington State University, Pullman. ~ Literature review. Nov 1984. v. 59 (5). p. 1369-1372. Includes references. (NAL Call No.: DNAL 49 J82).

2012

Assessing of housing by combined indicators (Functioning of an animal in relation to the environment).
Bure, R.G. CTVSD. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1983. Paper presented at the Seminar on Indicators Relevant to Farm Animal Welfare, Mariensee, 9-10 November 1982. v. 23. p. 209-213. ill. Includes references. (NAL Call No.: SF600.C82).

2013

Behavior and growth parameters of Large White turkeys as affected by floor space and beak trimming. I. Males.
Denbow, D.M. PDSCAL. Leighton, A.T.; Hulet, R.M. Champaign : Poultry Science Association. Poultry science. Jan 1984. v. 63 (1). p. 31-37. Includes references. (NAL Call No.: 47.8 AM33P).

2014

Behavior and growth parameters of Large White turkeys as affected by floor space and beak trimming. II. Females.
POSICAL. Leighton, A.T. Jr. Denbow, D.M.; Hulet, R.M. Champaign, Ill. : Poultry Science Association. Poultry science. Mar 1985. v. 64 (3). p. 440-446. Includes references. (NAL Call No.: DNAL 47.8 AM33P).

2015

Behavioral and physiological responses to spatial novelty in dairy cows.
CNJNA. Kondo, S. Hurnik, J.F. Ottawa : Agricultural Institute of Canada. Canadian journal of animal science. June 1988. v. 68 (2). p. 339-343. Includes references. (NAL Call No.: DNAL 41.8 C163).

2016

Behavioral responses to stress in farm animals.
Ewbank, R. Bethesda, Md. : American Physiological Society, c1985. Animal stress / editor, Gary P. Moberg. Paper presented at a symposium, July 1983, sponsored by the College of Agriculture and Environmental Sciences at the University of California, Davis. p. 73-79. Includes 21 references. (NAL Call No.: DNAL QP82.2.S8A55).

2017

Behavioural and growth responses of broiler chickens to dietary water content and climatic variables.
BPOSA. Abasiekong, S.F. Dxfordshire : Carfax Publishing Company. British poultry science. Sept 1988. v. 29 (3). p. 563-570. Includes references. (NAL Call No.: DNAL 47.8 B77).

2018

Behavioural tests to quantify adaptation in domestic animals (Physiological and learning tests).
Verga, M. CTVSD. Carenzi, C. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1983. Paper presented at the Seminar on Indicators Relevant to Farm Animal Welfare, Mariensee, 9-10 November 1982. v. 23. p. 97-108. ill. Includes references. (NAL Call No.: SF600.C82).

2019

Biological basis for animal welfare control.
Signoret, J.P. CTVSD. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1983. Paper presented at the Seminar on Farm Animal Housing and Welfare, Aberdeen, July 28-30, 1982. v. 24. p. 301-309. (NAL Call No.: SF600.C82).

2020

A biological basis for the design of space in livestock housing.
Petherick, J.C. CTVSD. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1983. Paper presented at the Seminar on Farm Animal Housing and Welfare, Aberdeen, July 28-30, 1982 ~Literature review. v. 24. p. 103-120. ill. Includes references. (NAL Call No.: SF600.C82).

(ANIMAL PHYSIOLOGY AND BIOCHEMISTRY)

2021

Biology into buildings (Animal housing and welfare).

Baxter, S.H. CTVSD. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1983. Paper presented at the Seminar on Farm Animal Housing and Welfare, Aberdeen, July 28-30, 1982. v. 24. p. XI-XVI. illl. Includes references. (NAL Call No.: SF600.C82).

2022

Biology of stress in farm animals an integrative approach : a seminar in the CEC programme of coordination research on animal welfare, held on April 17-18, 1986, at the Pietersberg Conference Centre, Oosterbeek, the Netherlands /editors, P.R. Wiepkema, P.W.M. van Adrichem.

Wiepkema, P. R._1928-; Adrichem, P. W. M. van Dordrecht ; Boston : M. Nijhoff for the Commission of the European Communities ; Hingham, Mass. : Distributors for the United States and Canada, Kluwer Academic Publishers, 1987. viii, 198 p. : illl. ; 25 cm. Includes bibliographies. (NAL Call No.: DNAL SF600.C82 v.42).

2023

Can physiological criteria be used to assess welfare in pigs.

Dantzer, R. CTVSD. Mormede, P. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1981. Paper presented at the Seminar in the EEC Programme of Coordination of Research on Animal Welfare, Brussels, November 25-26, 1980. v. 11. p. 53-74. illl. Includes references. (NAL Call No.: SF600.C82).

2024

Comparison of four methods of calf confinement. I. Physiology.

JANSAG. Friend, T.H. Dellmeier, G.R.; Gbur, E.E. Champaign, Ill. : American Society of Animal Science. Journal of animal science. Literature review. May 1985. v. 60 (5). p. 1095-1101. Includes 35 references. (NAL Call No.: DNAL 49 J82).

2025

A comparison of the effects of electroimmobilisation and, or, shearing procedures on ovine plasma concentrations of beta-endorphin/beta-lipoprotein and cortisol. RVTSA. Jephcott, E.H. McMillen, I.C.; Rushen, J.P.; Thorburn, G.D. London : British Veterinary Association. Research in veterinary science. July 1987. v. 43 (1). p. 97-100. Includes references. (NAL Call No.: DNAL 41.8 R312).

2026

Control of feed intake in sheep.

JANSAG. Della-Fera, M.A. Baile, C.A. Champaign, Ill. : American Society of Animal Science. Journal of animal science. Paper presented at the Symposium on "Controls of Feeding Farm Animals," held July 28, 1983, Washington State University, Pullman.~ Literature review. Nov 1984. v. 59 (5). p. 1362-1368. illl. Includes references. (NAL Call No.: DNAL 49 J82).

2027

Controlling mechanism of feeding behavior in chickens.

Sonoda, T. Tokyo, Japan : Japanese Society of Zootechnical Science, 1983. New strategies for improving animal production for human welfare : proceedings / the Fifth World Conference on Animal Production, August 14-19, 1983. v. 2 p. 797-798. Includes references. (NAL Call No.: DNAL SF5.W6 1983).

2028

Controls of feeding in horses.

JANSAG. Ralston, S.L. Champaign, Ill. : American Society of Animal Science. Journal of animal science. Paper presented at the Symposium on "Controls of Feeding Farm Animals," held July 28, 1983, Washington State University, Pullman.~ Literature review. Nov 1984. v. 59 (5). p. 1354-1361. Includes references. (NAL Call No.: DNAL 49 J82).

2029

Controls of feeding in pigs.

JANSAG. Houpt, T.R. Champaign, Ill. : American Society of Animal Science. Journal of animal science. Paper presented at the Symposium on "Controls of Feeding Farm Animals," held July 28, 1983, Washington State University, Pullman.~ Literature review. Nov 1984. v. 59 (5). p. 1345-1353. illl. Includes references. (NAL Call No.: DNAL 49 J82).

2030

Correlation of indices of stress with intensity of electrical shock for cows.

JDSCAE. Lefcourt, A.M. Kahl, S.; Akers, R.M. Champaign, Ill. : American Dairy Science Association. Journal of dairy science. Literature review. Mar 1986. v. 69 (3). p. 833-842. Includes 45 references. (NAL Call No.: DNAL 44.8 J822).

(ANIMAL PHYSIOLOGY AND BIOCHEMISTRY)

2031

Corticosteroids in laying hens (Stress hormones).

Beuving, G.CTVSD. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1980. Paper presented at the Seminar in the EEC Programme of Coordination of Research on Animal Welfare, Luxembourg, March 11-13, 1980. v. 8. p. 65-84. ill. Includes references. (NAL Call No.: SF600.C82).

2032

Corticosteroids in welfare research of laying hens (Stress).

Beuving, G.CTVSD. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1983. Paper presented at the Seminar on Indicators Relevant to Farm Animal Welfare, Mariensee, 9-10 November 1982. v. 23. p. 47-53. Includes references. (NAL Call No.: SF600.C82).

2033

The current status of preference tests in the assessment of animal welfare (Health and productivity, and physiological and behavioural disturbances).

Dawkins, M.S.CTVSD. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1983. Paper presented at the Seminar on Farm Animal Housing and Welfare, Aberdeen, July 28-30., 1982. v. 24. p. 20-26. Includes references. (NAL Call No.: SF600.C82).

2034

De-arousal properties of stereotyped behaviour: evidence from pituitary-adrenal correlates in pigs (Ethological and physiological aspects).

Dantzer, R. Mormede, P. Amsterdam : Elsevier. Applied animal ethology. May 1983. v. 10 (3). p. 233-244. ill. Includes references. (NAL Call No.: QL750.A6).

2035

The development of a blood profile for stress assessment (Swine, physiology).

Moss, B.W.CTVSD. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1981. Paper presented at the Seminar in the EEC Programme of Coordination of Research on Animal Welfare, Brussels, November 25-26, 1980. v. 11. p. 112-131. ill. Includes references. (NAL Call No.: SF600.C82).

2036

Dominance rank and cage density effects on performance traits, feeding activity and plasma corticosterone levels of laying hens. (*Gallus domesticus*).

Cunningham, D.L. Van Tienhoven, A.; Goeijen, F. de. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. Apr 1987. v. 17 (1/2). p. 139-154. Includes references. (NAL Call No.: DNAL QL750.A6).

2037

Dopaminergic and cholinergic influences on motor behavior in chickens.

Sanberg, P.R. Washington, D.C. : American Psychological Association. Journal of comparative psychology. Mar 1983. v. 97 (1). p. 59-68. Includes references. (NAL Call No.: BF671.J6).

2038

Dry and wet seasonal studies on the grazing behaviour of native N'Dama and imported Friesian bulls in a humid tropical environment.

Alhassan, W.S. Kabuga, J.D. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. May 1988. v. 19 (3/4). p. 245-254. Includes references. (NAL Call No.: DNAL QL750.A6).

2039

Dustbathing behaviour of uropygial gland extirpated domestic hens.

Norgaard-Nielsen, G. Vestergaard, K. Copenhagen, Danske Dyrlægeforening. Acta veterinaria scandinavica. 1981. v. 22 (1). p. 118-128. ill. 19 ref. (NAL Call No.: 41.8 AC87).

2040

Effect of adaptation to handling on the circulating corticosterone concentration of laying hens.

BPOSA. Webb, M.L. Mashaly, M.M. Harlow, Essex : Longman. British poultry science. July 1984. v. 25 (3). p. 425-427. Includes references. (NAL Call No.: DNAL 47.8 B77).

2041

The effect of behavioral stress on the episodic release and circadian variation of cortisol in bulls.

Ladewig, J. Darmstadt : Kuratorium für Technik und Bauwesen in der Landwirtschaft, 1984? . Proceedings of the International Congress on Applied Ethology in Farm Animals, Kiel, 1984 / edited by J. Unshelm, G. van Putten and K. Zeeb ; sponsored by the Federal Ministry of Food,

(ANIMAL PHYSIOLOGY AND BIOCHEMISTRY)

Agriculture and Forestry. p. 339-342. Includes references. (NAL Call No.: DNAL SF756.7.I5 1984).

2042

Effect of controlled drinking time on feeding behavior and growth of young broiler breeder females.

Ross, P.A. Hurnik, J.F.; Morrison, W.D. Champaign, Ill., Poultry Science Association. *Poultry science*. Oct 1981. v. 60 (10). p. 2176-2181. ill. 13 ref. (NAL Call No.: 47.8 AM33P).

2043

The effect of different housing systems on behaviour and plasma cortisol concentration in gilts.

Stuhelc, I. Schlichting, M.C.; Smidt, D.; Unshelm, J. Darmstadt : Kuratorium fur Technik und Bauwesen in der Landwirtschaft, 1984? . Proceedings of the International Congress on Applied Ethology in Farm Animals, Kiel, 1984 / edited by J. Unshelm, G. van Putten and K. Zeeb ; sponsored by the Federal Ministry of Food, Agriculture and Forestry. p. 139-143. Includes references. (NAL Call No.: DNAL SF756.7.I5 1984).

2044

Effect of differential rearing on the behavioral and adrenocortical response of lambs to a novel environment.

Moberg, G.P. Wood, V.A. Amsterdam : Elsevier North-Holland. *Developments in animal and veterinary sciences*. 1985. v. 18. p. 403-413. Includes 13 references. (NAL Call No.: DNAL QL1.D48).

2045

Effect of environmental design on the growth and behaviour of weaned pigs.

Blackshaw, J.K. Amsterdam, Elsevier Scientific. *Livestock production science*. Aug 1981. v. 8 (4). p. 367-375. ill. 13 ref. (NAL Call No.: SF1.L5).

2046

Effect of floor area restriction upon performance, behavior and physiology of growing-finishing pigs.

JANSAG. Meunier-Salaun, M.C. Vantrimpont, M.N.; Raab, A.; Dantzer, R. Champaign, Ill. : American Society of Animal Science. *Journal of animal science*. May 1987. v. 64 (5). p. 1371-1377. ill. Includes references. (NAL Call No.: DNAL 49 J82).

2047

Effect of handling and temperature stress on the heartrate, EKG, and body temperature of chickens.

Mitchell, B.W. St. Joseph, Mich. : The Society. Paper - American Society of Agricultural Engineers (Microfiche collection). 1981. Paper presented at the 1981 Winter Meeting of the American Society of Agricultural Engineers. Available for purchase from: The American Society of Agricultural Engineers, Order Dept., 2950 Niles Road, St. Joseph, Michigan 49085. Telephone the Order Dept. at (616) 429-0300 for information and prices. 1981. (fiche no. 81-4543). 1 microfiche : ill. Includes references. (NAL Call No.: FICHE S-72).

2048

The effect of individual and group housing on behavioural and physiological responses related to the welfare of pregnant pigs.

Barnett, J.L. Winfield, C.G.; Cronin, G.M.; Hemsworth, P.H.; Dewar, A.M. Amsterdam : Elsevier Science Publishers B.V. *Applied animal behaviour science*. July 1985. v. 14 (2). p. 149-161. Includes 31 references. (NAL Call No.: DNAL QL750.A6).

2049

The effect of level of feeding on water turnover in growing pigs (Behavior).

Yang, T. Price, M.A.; Aherne, F.X. Amsterdam : Elsevier. *Applied animal behaviour science*. Mar 1984. v. 12 (1/2). p. 103-109. ill. Includes references. (NAL Call No.: QL750.A6).

2050

Effect of rearing-temperature on the thermoregulatory behavior of pigs.

Heath, M.E. New York, Academic Press. *Behavioral and neural biology*. Feb 1980. v. 28 (2). p. 193-202. ill. 27 ref. (NAL Call No.: OH301.C63).

2051

The effect of road transportation on the blood constituents and behaviour of calves. I. Six months old.

Kent, J.E.BVJOA. Ewbank, R. London : Bailliere Tindall. *British veterinary journal*. May/June 1983. v. 139 (3). p. 228-235. ill. Includes references. (NAL Call No.: 41.8 V643).

(ANIMAL PHYSIOLOGY AND BIOCHEMISTRY)

2052

The effect of road transportation on the blood constituents and behaviour of calves. II. One to three weeks old.
BVJOA. Kent, J.E. Ewbank, R. London : Bailliere Tindall. British veterinary journal. Mar/Apr 1986. v. 142 (2). p. 131-140. Includes references. (NAL Call No.: DNAL 41.8 V643).

2053

The effect of road transportation on the blood constituents and behaviour of calves. III. Three months old.
BVJOA. Kent, J.E. Ewbank, R. London : Bailliere Tindall. British veterinary journal. July/Aug 1986. v. 142 (4). p. 326-335. Includes references. (NAL Call No.: DNAL 41.8 V643).

2054

Effect of social and environmental factors on performance in gilts, barrows and boars (Growth rate, feed efficiency, carcass quality).
Hagelso, A.M. CTVSD. Hansen, L.L. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1983. Paper presented at the Seminar on Indicators Relevant to Farm Animal Welfare, Mariensee, 9-10 November 1982. v. 23. p. 109-115. Includes references. (NAL Call No.: SF600.C82).

2055

Effects of amperozide on biting behavior and performance in restricted-fed pigs following regrouping.
JANSAG. Bjork, A. Olsson, N.G.; Christensson, E.; Martinsson, K.; Olsson, O. Champaign, Ill. : American Society of Animal Science. Journal of animal science. Mar 1988. v. 66 (3). p. 669-675. Includes references. (NAL Call No.: DNAL 49 J82).

2056

Effects of behavioural and physical stressors on immune responses.
CTVSD. Siegel, H.S. Dordrecht : Martinus Nijhoff Publishers. Current topics in veterinary medicine and animal science. In the series analytic: Biology of stress in farm animals: an integrative approach / edited by P.R. Wiepkema and P.W.M. van Adrichem. A seminar in the CEC programme of coordination research on animal welfare, April 17-18, 1986, Oosterbeek, Netherlands. 1987. v. 42. p. 39-54. ill. Includes references. (NAL Call No.: DNAL SF600.C82).

2057

Effects of confinement on attainment of puberty in gilts (Housing, temperature).
Prunier, A. Etienne, M. Paris : Dept. de pathologie animale de l'Institut national de la recherche agronomique. Annales de recherches vétérinaires = Annals of veterinary research. 1984. Paper presented at the "CEC Workshop on Welfare of Confined Sows," May 26-27, 1983, Rennes, France. v. 15 (2). p. 159-164. Includes references. (NAL Call No.: SF602.A5).

2058

Effects of confinement upon behavioural, hormonal responses and production indices in fattening pigs.

CTVSD. Warnier, A. Zayan, R. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. Paper presented at the "Seminar on the Social Space for Domestic Animals," January 10-11, 1985, Brussels. 1985. v. 35. p. 128-150. ill. Includes references. (NAL Call No.: DNAL SF600.C82).

2059

The effects of design of individual stalls on the social behaviour and physiological responses related to the welfare of pregnant pigs.

Barnett, J.L. Hemsworth, P.H.; Winfield, C.G. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. Aug 1987. v. 18 (2). p. 133-142. ill. Includes references. (NAL Call No.: DNAL QL750.A6).

2060

Effects of double decking and space allowances on the performance and behavior of feeder lambs.

JANSAG. Gonyou, H.W. Stookey, J.M.; McNeal, L.G. Champaign, Ill. : American Society of Animal Science. Journal of animal science. May 1985. v. 60 (5). p. 1110-1116. ill. Includes 11 references. (NAL Call No.: DNAL 49 J82).

2061

Effects of feeding systems on social and feeding behavior and performance of finishing pigs.

JANSAG. Vargas, J.V. Craig, J.V.; Hines, R.H. Champaign, Ill. : American Society of Animal Science. Journal of animal science. Aug 1987. v. 65 (2). p. 463-474. Includes references. (NAL Call No.: DNAL 49 J82).

(ANIMAL PHYSIOLOGY AND BIOCHEMISTRY)

2062

Effects of force-molting by conventional and experimental light restriction methods on performance and agonistic behavior of hens.

Hembree, D.J. Adams, A.W.; Craig, J.V.
Champaign, Ill.: Poultry Science Association.
Poultry science. Feb 1980. v. 59 (2). p.
215-223. ill. 31 ref. (NAL Call No.: 47.8
AM33P).

2063

Effects of frequent interactions with humans on growing pigs.

Gonyou, H.W. Hemsworth, P.H.; Barnett, J.L.
Amsterdam : Elsevier Science Publishers B.V.
Applied animal behaviour science. Nov 1986. v.
16 (3). p. 269-278. Includes references. (NAL
Call No.: DNAL QL750.A6).

2064

Effects of naloxone on feeding and drinking in pigs.

Baldwin, B.A. Parrott, R.F. Darmstadt :
Kuratorium fur Technik und Bauwesen in der
Landwirtschaft, 1984? . Proceedings of the
International Congress on Applied Ethology in
Farm Animals, Kiel, 1984 / edited by J.
Unshelm, G. van Putten and K. Zeeb ; sponsored
by the Federal Ministry of Food, Agriculture
and Forestry. p. 382-385. Includes references.
(NAL Call No.: DNAL SF756.7.I5 1984).

2065

Effects of photoperiod and filtered light on growth, reproduction, and mating behavior of turkeys. 1. Growth performance of two lines of males and females.

POSCAL. Levenick, C.K. Leighton, A.T. Jr.
Champaign, Ill. : Poultry Science Association.
Poultry science. Nov 1988. v. 67 (11). p.
1505-1513. Includes references. (NAL Call No.:
DNAL 47.8 AM33P).

2066

Effects of social environment of welfare status and sexual behaviour of female pigs. I. Effects of group size.

Barnett, J.L. Hemsworth, P.H.; Winfield, C.G.;
Hansen, C. Amsterdam : Elsevier Science
Publishers B.V. Applied animal behaviour
science. Nov 1986. v. 16 (3). p. 249-257.
Includes references. (NAL Call No.: DNAL
QL750.A6).

2067

Effects of social environment on welfare status and sexual behaviour of female pigs. II.

Effects of space allowance.

Hemsworth, P.H. Barnett, J.L.; Hansen, C.;
Winfield, C.G. Amsterdam : Elsevier Science
Publishers B.V. Applied animal behaviour
science. Nov 1986. v. 16 (3). p. 259-267.
Includes references. (NAL Call No.: DNAL
QL750.A6).

2068

The effects of thermoregulatory behaviour on the heat loss from shorn sheep as measured by a model ewe for micro-climate integration.

Done-Currie, J.R. Wodzicka-Tomaszewska, M.;
Lynch, J.J. Amsterdam : Elsevier Science
Publishers B.V. Applied animal behaviour
science. Nov 1984. v. 13 (1/2). p. 59-70.
Includes references. (NAL Call No.: DNAL
QL750.A6).

2069

The effects of two shipping treatments on the carcass characteristics of bulls implanted with zeranol and unimplanted steers.

JANSAG. Jones, S.D.M. Newman, J.A.; Tong,
A.K.W.; Martin, A.H.; Robertson, W.M.
Champaign, Ill. : American Society of Animal
Science. Journal of animal science. June 1986.
v. 62 (6). p. 1602-1608. Includes references.
(NAL Call No.: DNAL 49 J82).

2070

Effects of zeranol implantation and late castration on sexual, agonistic and handling behavior in male feedlot cattle.

JANSAG. Baker, A.M. Gonyou, H.W. Champaign,
Ill. : American Society of Animal Science.
Journal of animal science. May 1986. v. 62 (5).
p. 1224-1232. Includes references. (NAL Call
No.: DNAL 49 J82).

2071

Electrical activity in the cerebral hemispheres of electrically stunned pigs (Humane slaughter).

Swatland, H.J. JANSAG. Brogna, R.J.; Lutte, G.H.
Champaign : American Society of Animal Science.
Journal of animal science. Jan 1984. v. 58 (1).
p. 68-74. ill. Includes references. (NAL Call
No.: 49 J82).

(ANIMAL PHYSIOLOGY AND BIOCHEMISTRY)

2072

Endocrine and behavior changes associated with intensive housing systems for swine.

Becker, B.A. Ford, J.J.; Nienaber, J.A.; Hahn, G.L.; Christenson, R.K. New York : Plenum Press, c1986. Swine in biomedical research / edited by M.E. Tumbleson. Proceedings of a conference on Swine in Biomedical Research, June 17-20, 1985, Columbia, Missouri. p. 173-189. ill. Includes references. (NAL Call No.: DNAL RB125.C68 1985).

SF600.C82).

2073

Endocrine aspects of stress: central and peripheral mechanisms.

CTVSD. Oliverio, A. Dordrecht : Martinus Nijhoff Publishers. Current topics in veterinary medicine and animal science. In the series analytic: Biology of stress in farm animals: an integrative approach / edited by P.R. Wiepkema and P.W.M. van Adrichem. A seminar in the CEC programme of coordination research on animal welfare, April 17-18, 1986, Dosterbeek, Netherlands. 1987. v. 42. p. 3-12. ill. Includes references. (NAL Call No.: DNAL SF600.C82).

2077

Feeding acidified milk replacer ad libitum to calves housed in group versus individual pens.

JDSCAE. Richard, A.L. Heinrichs, A.J.; Muller, L.D. Champaign, Ill. : American Dairy Science Association. Journal of dairy science. Aug 1988. v. 71 (8). p. 2203-2209. Includes references. (NAL Call No.: DNAL 44.8 J822).

2074

Endocrine aspects of stress: evaluation of stress reactions in farm animals.

CTVSD. Ladewig, J. Dordrecht : Martinus Nijhoff Publishers. Current topics in veterinary medicine and animal science. In the series analytic: Biology of stress in farm animals: an integrative approach / edited by P.R. Wiepkema and P.W.M. van Adrichem. A seminar in the CEC programme of coordination research on animal welfare, April 17-18, 1986, Dosterbeek, Netherlands. 1987. v. 42. p. 13-25. Includes references. (NAL Call No.: DNAL SF600.C82).

2078

Feeding behaviour (Poultry, physiology of food intake).

Savory, C.J. Edinburgh, British Poultry Science. Food intake regulation in poultry. 1978 (pub. 1979). 1978 (pub. 1979). (14th). p. 277-323. ill. Bibliography p. 319-323. (NAL Call No.: SF494.P64).

2079

Food availability and the feeding and drinking behaviour of broiler chickens grown commercially.

BPOSA. Murphy, L.B. Preston, A.P. Oxfordshire : Carfax Publishing Company. British poultry science. June 1988. v. 29 (2). p. 273-283. ill. Includes references. (NAL Call No.: DNAL 47.8 B77).

2080

Grazing behavior and heart rate of growing Thoroughbred.

Nagata, Y. Kubo, K. Tokyo, Japan : Japanese Society of Zootechnical Science, 1983. New strategies for improving animal production for human welfare : proceedings / the Fifth World Conference on Animal Production, August 14-19, 1983. v. 2 p. 807-808. Includes references. (NAL Call No.: DNAL SF5.W6 1983).

2075

Environmental effects on growth and development.

Ingram, D.L. Dauncey, M.J. London : Butterworths, 1986. Control and manipulation of animal growth / edited by P.J. Buttery, D.B. Lindsay, N.B. Haynes. Literature review. p. 5-20. ill. Includes references. (NAL Call No.: DNAL SF768.C66).

2081

Growth-associated traits in parental and F1 populations of chickens under different feeding programs. 3. Eating behavior and body temperatures.

POSICAL. Dunnington, E.A. Nir, I.; Cherry, J.A.; Jones, D.E.; Siegel, P.B. Champaign, Ill. : Poultry Science Association. Poultry science. Jan 1987. v. 66 (1). p. 23-31. Includes references. (NAL Call No.: DNAL 47.8 AM33P).

2076

Farrowing accommodation and losses, vitality and daily gain of piglets as indicators of well being.

Bekaert, H. CTVSD. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1983. Paper presented at the Seminar on Indicators Relevant to Farm Animal Welfare, Mariensee, 9-10 November 1982. v. 23. p. 183-188. Includes references. (NAL Call No.:

202

(ANIMAL PHYSIOLOGY AND BIOCHEMISTRY)

2082

Growth performance and behavioral patterns of pigs infested with sarcoptic mites (Acari: Sarcoptidae).

JEENAI. Wooten-Saadi, E. Broce, A.B.; Stevenson, J.S.; Nelissen, J.L. College Park, Md. : Entomological Society of America. Journal of economic entomology. June 1987. v. 80 (3). p. 625-628. Includes references. (NAL Call No.: DNAL 421 J822).

2083

Growth performance and concentrations of thyroid hormones and growth hormone in plasma of broilers at high temperatures.

AUBSAM. Sinurat, A.P. Balnave, D.; McDowell, G.H. East Melbourne : Commonwealth Scientific and Industrial Research Organization. Australian journal of biological sciences. 1987. v. 40 (4). p. 443-450. Includes references. (NAL Call No.: DNAL 442.8 AU72).

2084

Heart rate and laying behavior in two strains of domestic chicken.

PHBHA. Mills, A.D. Duncan, I.J.H.; Slee, G.S.; Clark, J.S.B. Elmsford, N.Y. : Pergamon Press. Physiology & behavior. July 1985. v. 35 (1). p. 145-147. illl. Includes 10 references. (NAL Call No.: DNAL QP1.P4).

2085

Hoofed stock: horses.

Stein, S. Kintner, B.A. Joliet, Ill. : American Association for Laboratory Animal Science, c1984. Manual for assistant laboratory animal technicians / edited by Walter B. Sapanski, Jr., and John E. Harkness. p. 310-319, 423-424. illl. Includes references. (NAL Call No.: DNAL SF77.M35).

2086

Hoofed stock: sheep and goats.

Williams, C.S.F. Joliet, Ill. : American Association for Laboratory Animal Science, c1984. Manual for assistant laboratory animal technicians / edited by Walter B. Sapanski, Jr., and John E. Harkness. p. 280-292, 422-423. illl. Includes references. (NAL Call No.: DNAL SF77.M35).

2087

Hoofed stock: swine.

Horstman, V.G. Joliet, Ill. : American Association for Laboratory Animal Science, c1984. Manual for assistant laboratory animal technicians / edited by Walter B. Sapanski, Jr., and John E. Harkness. p. 293-309, 423.

illl. Includes references. (NAL Call No.: DNAL SF77.M35).

2088

How horses learn : equine psychology applied to training / Jeanna C. Fiske ; drawings by Elyne Sears. - .

Fiske, Jeanna C., 1949-. Brattleboro, Vt. S. Greene Press c1979. Includes index. x, 148 p. : illl. ; 21 cm. Bibliography: p. 137-143. (NAL Call No.: SF287.F57).

2089

Implanting young bulls with zeranol from birth to four slaughter ages. I. Live measurements, behavior, masculinity and carcass characteristics.

JANSAG. Unruh, J.A. Gray, D.G.; Dikeman, M.E. Champaign, Ill. : American Society of Animal Science. Journal of animal science. Feb 1986. v. 62 (2). p. 279-289. Includes references. (NAL Call No.: DNAL 49 J82).

2090

Improvement of piglet survival rate in relation to farrowing systems and conditions (Housing).

Aumaitre, A. Le Dividich, J. Paris : Dept. de pathologie animale de l'Institut national de la recherche agronomique. Annales de recherches vétérinaires = Annals of veterinary research. 1984. Paper presented at the "CEC Workshop on Welfare of Confined Sows," May 26-27, 1983, Rennes, France. v. 15 (2). p. 173-179. illl. Includes references. (NAL Call No.: SF602.A5).

2091

Inability to predict sexual and aggressive behaviors by plasma concentrations of testosterone and luteinizing hormone in Hereford bulls.

JANSAG. Price, E.O. Katz, L.S.; Moberg, G.P.; Wallach, S.J.R. Champaign, Ill. : American Society of Animal Science. Journal of animal science. Mar 1986. v. 62 (3). p. 613-617. Includes references. (NAL Call No.: DNAL 49 J82).

2092

The influence of degree of adaptation to tether-housing by sows in relation to behaviour and energy metabolism.

ANIPA. Cronin, G.M. Tartwijk, J.M.F.M. van; Hel, W. van der; Versteegen, M.W.A. Neston, South Wirral, England : British Society of Animal Production. Animal production. Apr 1986. v. 42 (pt.2). p. 257-268. Includes references. (NAL Call No.: DNAL 49 AN55).

(ANIMAL PHYSIOLOGY AND BIOCHEMISTRY)

2093

The influence of handling by humans on the behaviour reproduction and corticosteroids of male and female pigs.

Hemsworth, P.H. Barnett, J.L.; Hansen, C. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. July 1986. v. 15 (4). p. 303-314. Includes references. (NAL Call No.: DNAL QL750.A6).

AM33P).

2094

The influence of inconsistent handling by humans on the behaviour, growth and corticosteroids of young pigs.

Hemsworth, P.H. Barnett, J.L.; Hansen, C. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. June 1987. v. 17 (3/4). p. 245-252. Includes references. (NAL Call No.: DNAL QL750.A6).

2099

Ingestive behaviour and to correlate blood metabolites at specific items with feed intake pattern in buffalo calves.

IJDSA. Nangia, O.P. Garg, S.L. New Delhi : Indian Dairy Association. The Indian journal of dairy science. Dec 1982. v. 35 (4). p. 526-531. Includes references. (NAL Call No.: DNAL 44.8 IN28).

2095

Influence of light intensity on behavior and performance of broiler chickens.

POSCAL. Newberry, R.C. Hunt, J.R.; Gardiner, E.E. Champaign, Ill. : Poultry Science Association. Poultry science. July 1988. v. 67 (7). p. 1020-1025. Includes references. (NAL Call No.: DNAL 47.8 AM33P).

2100

Inserting a rumen cannula in sheep to minimize leakage.

CNJNA. Grovum, W.L. Ottawa : Agricultural Institute of Canada. Canadian journal of animal science. June 1988. v. 68 (2). p. 561-563. ill. Includes references. (NAL Call No.: DNAL 41.8 C163).

2096

The influence of social factors on the use of shade by sheep.

Sherwin, C.M. Johnson, K.G. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. Aug 1987. v. 18 (2). p. 143-155. ill. Includes references. (NAL Call No.: DNAL QL750.A6).

2101

Interrelationships among voluntary intake, eating and ruminating behavior and ruminal motility of heifers fed corn silage.

JANSAG. Deswysen, A.G. Ellis, W.C.; Pond, K.R. Champaign, Ill. : American Society of Animal Science. Journal of animal science. Mar 1987. v. 64 (3). p. 835-841. Includes references. (NAL Call No.: DNAL 49 J82).

2097

Influences of cold exposure on digestion of organic matter, rates of passage of digesta in the gastrointestinal tract, and feeding and rumination behaviour in sheep given four forage diets in the chopped, or ground and pelleted form.

BJNUAV. Kennedy, P.M. Cambridge : Cambridge University Press. The British journal of nutrition. Jan 1985. v. 53 (1). p. 159-173. Includes references. (NAL Call No.: DNAL 389.8 B773).

2102

An investigation of the roles of boar-component stimuli in the expression of proceptivity in the female pig.

Pearce, G.P. Hughes, P.E. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. Oct 1987. v. 18 (3/4). p. 287-299. ill. Includes references. (NAL Call No.: DNAL QL750.A6).

2098

Ingestive behavior of meat and egg-type chickens: equal sensitivity to naloxone.

POSCAL. McCormack, J.F. Denbow, D.M. Champaign, Ill. : Poultry Science Association. Poultry science. Oct 1987. v. 66 (10). p. 1714-1720. Includes references. (NAL Call No.: DNAL 47.8

2103

Lupins in grain diets for drought-affected lambs weaned at different ages.

AAAHA. Kenney, P.A. Melbourne : Commonwealth Scientific and Industrial Research Organization. Australian journal of experimental agriculture. 1987. v. 27 (5). p. 625-628. Includes references. (NAL Call No.: DNAL 23 AU792).

204

(ANIMAL PHYSIOLOGY AND BIOCHEMISTRY)

2104

The lying behaviour of veal calves up to 220 kg (Body weight).

Putten, G. vanCTVSD. Elshof, W.Y. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1982. v. 19. p. 83-98. ill. 2 p. ref. (NAL Call No.: SF600.C82).

2105

Maternal behaviour in sheep and its physiological control.

Poindron, P. Le Neindre, P.; Levy, F. Cambridge : Cambridge University Press, 1984. Reproduction in sheep : Australian Wool Corporation technical publication / supervising editors, D.R. Lindsay and D.T. Pearce. Literature review. p. 191-198. ill. Includes references. (NAL Call No.: DNAL SF768.2.S5R46).

2106

Measurement of performance, behaviour and metabolism of grazing cows.

Stobbs, T.H. Minson, D.J. Brisbane : Queensland Department of Primary Industries, 1983. Dairy cattle research techniques / edited by J.H. Ternouth. p. 187-211. Includes references. (NAL Call No.: DNAL SF208.D34).

2107

Metabolism of high concentrations of dietary zearalenone by young male turkey poultts.

POSCAL. Dissen, M. Mirocha, C.J.; Abbas, H.K.; Johansson, B. Champaign, Ill. : Poultry Science Association. Poultry science. Oct 1986. v. 65 (10). p. 1905-1910. Includes references. (NAL Call No.: DNAL 47.8 AM33P).

2108

Milk production, health, behavior, and endocrine responses of cows exposed to electrical current during milking.

JDSCAE. Henke Drenkard, D.V. Gorewit, R.C.; Scott, N.R.; Sagi, R. Champaign, Ill. : American Dairy Science Association. Journal of dairy science. Oct 1985. v. 68 (10). p. 2694-2702. Includes 27 references. (NAL Call No.: DNAL 44.8 J822).

2109

Modification of the responses of sheep to isolation stress by the use of mirror panels.

Parrott, R.F. Houpt, K.A.; Misson, B.H. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. May 1988. v. 19 (3/4). p. 331-338. Includes references. (NAL Call No.: DNAL QL750.A6).

2110

Moult in the domestic hen (*Gallus domesticus*) and its use and effect.

Jensen, J.F. CTVSD. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1980. Paper presented at the Seminar in the EEC Programme of Coordination of Research on Animal Welfare, Luxembourg, March 11-13, 1980. v. 8. p. 259-268. Includes references. (NAL Call No.: SF600.C82).

2111

Neurochemistry of abnormal behaviour in farm animals.

Sharman, D.F. CTVSD. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1983. Paper presented at the Seminar on Indicators Relevant to Farm Animal Welfare, Mariensee, 9-10 November 1982. v. 23. p. 61-65. Includes references. (NAL Call No.: SF600.C82).

2112

Neuroendocrine strategies for assessing welfare: application to calf management systems.

Mormede, P. CTVSD. Bluthe, R.M.; Dantzer, R. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1983. Paper presented at the Seminar on Indicators Relevant to Farm Animal Welfare, Mariensee, 9-10 November 1982. v. 23. p. 39-46. ill. Includes references. (NAL Call No.: SF600.C82).

2113

Normal and more highly reactive horses. I. Heart rate, respiration rate and behavioral observations.

McCann, J.S. Heird, J.C.; Bell, R.W.; Lutherer, L.O. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. May 1988. v. 19 (3/4). p. 201-214. Includes references. (NAL Call No.: DNAL QL750.A6).

2114

A note on the effect of mixed or segregated penning of boars and gilts over the live-weight range 20 to 80 kg (kilograms) on performance, carcass characteristics and behaviour.

Smith, W.C. Pearson, G.; Holmes, R.J. Harlow : Longman. Animal production. June 1984. v. 38 (pt.3). p. 503-506. Includes references. (NAL Call No.: 49 AN55).

(ANIMAL PHYSIOLOGY AND BIOCHEMISTRY)

2115

A note on the effects of dexamethasone-induced parturition on ewe behaviour and lamb survival in prolific Booroola Merino ewes.

ANIPA. Owens, J.L. Bindon, B.M.; Edey, T.N.; Piper, L.R. Neston, South Wirral, England : British Society of Animal Production. Animal production. Dec 1985. v. 41 (3). p. 417-420. Includes references. (NAL Call No.: DNAL 49 AN55).

2116

A note on the role of behaviour in pig production and the effect of amperozide on growth performance.

ANIPA. Bjork, A.K.K. Olsson, N.G.E.; Martinsson, K.B.; Goransson, L.A.T. S.I. : Durrant. Animal production. Dec 1987. v. 45 (pt.3). p. 523-526. Includes references. (NAL Call No.: DNAL 49 AN55).

2117

Observation on sucking behaviour of Finnsheep lambs with particular reference to the effect of litter size (Growth rate).

Atroshi, F. Osterberg, S. Berlin, W. Ger. : Paul Parey. Zentralblatt fur Veterinarmedizin. Reihe A. May 1984. v. 31 (4). p. 280-286. ill. Includes references. (NAL Call No.: 41.8 Z5).

2118

Observations on the effects of stocking rate on the performance of gilts and boars to bacon weight (Housing, temperature).

Hanrahan, T.J. CTVSD. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1981. Paper presented at the Seminar in the EEC Programme of Coordination of Research on Animal Welfare, Brussels, November 25-26, 1980. v. 11. p. 141-151. Includes references. (NAL Call No.: SF600.C82).

2119

On lactation and associated behaviour in a natural herd of horses (Camargue horses, France).

Duncan, P. Harvey, P.H.; Wells, S.M. London : Bailliere Tindall. Animal behaviour. Feb 1984. v. 32 (pt.1). p. 255-263. Includes references. (NAL Call No.: 410 B77).

2120

Ontogeny of teat fidelity in pigs and its relation to competition at suckling.

CNJNA. De Passille, A.M.B. Rushen, J.; Hartstock, T.G. Ottawa : Agricultural Institute of Canada. Canadian journal of animal science. June 1988. v. 68 (2). p. 325-338. Includes references. (NAL Call No.: DNAL 41.8 C163).

2121

Perception of thermal comfort by farm animals (Thermoregulatory behaviours).

Curtis, S.E. CTVSD. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1983. Paper presented at the Seminar on Farm Animal Housing and Welfare, Aberdeen, July 28-30, 1982. v. 24. p. 59-66. Includes references. (NAL Call No.: SF600.C82).

2122

Physiological aspects of social space in heifers and pigs.

CTVSD. Ladewig, J. Schlichting, M.C.; Beneke, B.; Borell, E. von; Stuhec, I.; Smidt, D. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. Paper presented at the "Seminar on the Social Space for Domestic Animals," January 10-11, 1985, Brussels. 1985. v. 35. p. 151-159. Includes references. (NAL Call No.: DNAL SF600.C82).

2123

Physiologic controls of ingestive behavior in pigs.

Houpt, T.R. New York : Plenum Press, c1986. Swine in biomedical research / edited by M.E. Tumbleson. Proceedings of a Conference, June 17-20, 1985, Columbia, Missouri. Literature review. p. 943-956. Includes references. (NAL Call No.: DNAL RB125.C68 1985).

2124

Physiological assessment of adaptation in farm animals.

Dantzer, R. CTVSD. Mornede, P.; Henry, J.P. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1983. Paper presented at the Seminar on Farm Animal Housing and Welfare, Aberdeen, July 28-30, 1982. v. 24. p. 8-19. ill. Includes references. (NAL Call No.: SF600.C82).

(ANIMAL PHYSIOLOGY AND BIOCHEMISTRY)

2125

Physiological correlates of social behaviour in bighorn sheep: a field study using electrocardiogram telemetry (*Ovis canadensis canadensis*, Alberta, Canada).
MacArthur, R.A. Geist, V.; Johnston, R.H. London, Academic Press. *Journal of zoology*. Mar 1982. v. 196 (pt.3). p. 401-415. ill. Includes 2 p. ref. (NAL Call No.: 410.9 L84P).

2126

Physiological parameters with relevance to calf welfare (Environment, transportation).
Eichinger, H.M. CTVSD. The Hague : Martinus Nijhoff. *Current topics in veterinary medicine and animal science*. 1982. v. 19. p. 79-82. ill. 4 ref. (NAL Call No.: SF600.C82).

2127

Physiological stimuli of thirst and drinking patterns in ponies.
EQVJA. Sufit, E. Houpt, K.A.; Sweeting, M. London : British Equine Veterinary Association. *Equine veterinary journal*. Jan 1985. v. 17 (1). p. 12-16. ill. Includes references. (NAL Call No.: DNAL SF955.E6).

2128

Physiology and behaviour of young pigs in relation to the environment.
Ingram, D.L. CTVSD. The Hague : Martinus Nijhoff. *Current topics in veterinary medicine and animal science*. 1981. Paper presented at the Seminar in the EEC Programme of Coordination of Research on Animal Welfare, Brussels, November 25-26, 1980. v. 11. p. 33-45. Includes references. (NAL Call No.: SF600.C82).

2129

Physiology of stress: a behavioral view.
CTVSD. Bohus, B. Koolhaas, J.M.; Nyakas, C.; Steffens, A.B.; Fokkema, D.S.; Scheurink, A.J.W. Dordrecht : Martinus Nijhoff Publishers. *Current topics in veterinary medicine and animal science*. In the series *Analytic: Biology of stress in farm animals: an integrative approach* / edited by P.R. Wiepkema and P.W.M. van Adrichem. A seminar in the CEC programme of coordination research on animal welfare, April 17-18, 1986, Oosterbeek, Netherlands. 1987. v. 42. p. 57-70. Includes references. (NAL Call No.: DNAL SF600.C82).

2130

The pig: a concise source of information.
Mersmann, H.J. Boca Raton, Fla. : CRC Press, 1986. *Swine in cardiovascular research* / editors, Hubert C. Stanton, Harry J. Mersmann. v. 1 p. 1-9. Includes references. (NAL Call No.: DNAL RC669.S87).

2131

The place of behaviour in physiology.
CTVSD. Cabanac, M. Dordrecht : Martinus Nijhoff Publishers. *Current topics in veterinary medicine and animal science*. In the series *Analytic: Biology of stress in farm animals: an integrative approach* / edited by P.R. Wiepkema and P.W.M. van Adrichem. A seminar in the CEC programme of coordination research on animal welfare, April 17-18, 1986, Oosterbeek, Netherlands. 1987. v. 42. p. 187-194. Includes references. (NAL Call No.: DNAL SF600.C82).

2132

Plasma glucose and insulin concentrations and feeding behavior in ponies.
Ralston, S.L. Baile, C.A. Champaign, Ill., American Society of Animal Science. *Journal of animal science*. June 1982. v. 54 (6). p. 1132-1137. Includes 15 ref. (NAL Call No.: 49 J82).

2133

Polygraphic and behavioral study of sleep in geese: existence of nuchal atonia during paradoxical sleep.
PHBHA. Dewasmes, G. Cohen-Adad, F.; Kouhi, H.; Le Maho, Y. Elmsford, N.Y. : Pergamon Press. *Physiology & behavior*. July 1985. v. 35 (1). p. 67-73. ill. Includes 31 references. (NAL Call No.: DNAL QP1.P4).

2134

Pre-slaughter handling stress.
Kinsman, D.M. St. Paul, Minn. : The Institute. Official proceedings : annual meeting - Livestock Conservation Institute. Literature review. 1986. p. 46-57. Includes references. (NAL Call No.: DNAL 280.3409 L75A).

2135

Predictability of feeding: its effect on agonistic behaviour and growth in grower pigs.
Carlstead, K. Amsterdam : Elsevier Science Publishers B.V. *Applied animal behaviour science*. Aug 1986. v. 16 (1). p. 25-38. Includes references. (NAL Call No.: DNAL QL750.A6).

(ANIMAL PHYSIOLOGY AND BIOCHEMISTRY)

2136

A preliminary study on breeding-behaviour of Murrah buffaloes in Socialist Republic of Vietnam--pattern of growth in heifers.
IJDSA. Verma, R.P. Pathak, N.N.; Sharma, M.C.; Tein, N.Q.; Thin, C.X.; Thac, N.D.; Vuc, N.V. New Delhi : Indian Dairy Association. The Indian journal of dairy science. Mar 1984. v. 37 (1). p. 76-78. Includes references. (NAL Call No.: DNAL 44.8 IN28).

ref. (NAL Call No.: SF600.C82).

2137

Production, physiological, and behavioral responses of laying hens in different management environments.
POSCAL. Koelkebeck, K.W. Amoss, M.S. Jr.; Cain, J.R. Champaign, Ill. : Poultry Science Association. Poultry science. Mar 1987. v. 66 (3). p. 397-407. Includes references. (NAL Call No.: DNAL 47.8 AM33P).

2142

Role of auditory and visual cues in mutual recognition between ewes and lambs in Merino sheep.

Alexander, G. Amsterdam : Elsevier North-Holland. Developments in animal and veterinary sciences. 1985. v. 18. p. 321-337. Includes 15 references. (NAL Call No.: DNAL QL1.D48).

2138

Reproductive and developmental behaviour in sheep an anthology from "Applied animal ethology" /edited by A.F. Fraser. --.
Fraser, A. F. Amsterdam ; New York : Elsevier, 1985. Articles originally appeared in Applied animal ethology from December, 1974 to 1984. x, 439 p. : ill. ; 25 cm. --. Includes bibliographies and index. (NAL Call No.: DNAL QL1.D48 v.18).

2143

Salivary cortisol and behavioural indicators of stress in sheep.

Fell, L.R. Shutt, D.A. Sydney : Pergamon Press. Proceedings of the Australian Society of Animal Production. 1988. v. 17. p. 186-189. Includes references. (NAL Call No.: DNAL 49.9 AU72).

2139

Response of broilers to hyperthermic stress following treatment with a new cyclo-oxygenase inhibitor.
Oliver, J.C. Birrenkott, G.P. Jr. Champaign, Ill., Poultry Science Association. Poultry science. June 1982. v. 61 (6). p. 1069-1072. Includes 1 p. ref. (NAL Call No.: 47.8 AM33P).

2144

Secretory responses of plasma insulin, glucagon, cortisol and glucose to heat exposure in calves.

NJUZA. Takahashi, H. Murata, H.; Matsumoto, H. Tokyo : Japanese Society of Veterinary Science. The Japanese journal of veterinary science = Nihon juigaku zasshi. Dec 1986. v. 48 (6). p. 1287-1289. Includes references. (NAL Call No.: DNAL 41.8 J27).

2140

Responses of dairy cows to alternating electrical current administered semirandomly in a nonavoidance environment.
JDCAE. Gorewit, R.C. Scott, N.R.; Czarniecki, C.S. Champaign, Ill. : American Dairy Science Association. Journal of dairy science. Mar 1985. v. 68 (3). p. 718-725. Includes 8 references. (NAL Call No.: DNAL 44.8 J822).

2145

Serum cortisol concentrations in gilts and sows housed in tether stalls, gestation stalls and individual pens.

Becker, B. Christenson, R.; Ford, J.; Manak, R.; Nienaber, J.; Hahn, G.; Deshazer, J. Paris : Dept. de pathologie animale de l'Institut national de la recherche agronomique. Annales de recherches vétérinaires = Annals of veterinary research. 1984. Paper presented at the "CEC Workshop on Welfare of Confined Sows," May 26-27, 1983, Rennes, France. v. 15 (2). p. 237-242. Includes references. (NAL Call No.: SF602.A5).

2141

A review of some behavioural and physiological studies which are relevant to the welfare of young calves.
Stephens, D.B. CTVSD. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1982. v. 19. p. 47-69. 4 p.

2146

Sexual activity of Holstein cows: seasonal effects.

JDCAE. Pennington, J.A. Albright, J.L.; Diekman, M.A.; Callahan, C.J. Champaign, Ill. : American Dairy Science Association. Journal of dairy science. Nov 1985. v. 68 (11). p. 3023-3030. Includes 19 references. (NAL Call No.: DNAL 44.8 J822).

(ANIMAL PHYSIOLOGY AND BIOCHEMISTRY)

2147

Sexual behaviour and endocrine changes during reproductive maturation and aging in the avian male (Japanese quail and domestic chicken).
Ottinger, M.A. Berlin (West Germany) : Springer-Verlag, 1983. Hormones and behaviour in higher vertebrates / edited by J. Balthazart, E. Prove, and R. Gilles. p. 350-367. ill. Includes references. (NAL Call No.: QP571.H658).

2148

Sexual dimorphism in broilers following periods of equal water and feed intake.
POSCAL. Marks, H.L. Champaign, Ill. : Poultry Science Association. Poultry science. Mar 1987. v. 66 (3). p. 381-389. Includes references. (NAL Call No.: DNAL 47.8 AM33P).

2149

Shading behaviour of sheep: preliminary studies of its relation to thermoregulation, feed and water intakes, and metabolic rates.
AUAEA. Johnson, K.G. Melbourne : Commonwealth Scientific and Industrial Research Organization. Australian journal of agricultural research. 1987. v. 38 (3). p. 587-596. Includes references. (NAL Call No.: DNAL 23 AU783)..

2150

Short-term feather maintenance as a function of dust-bathing in laying hens.
Liere, D.W. van. Bokma, S. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. Aug 1987. v. 18 (2). p. 197-204. ill. Includes references. (NAL Call No.: DNAL QL750.A6).

2151

Significance of physiological criteria in assessing animal welfare.
Dantzer, R. CTVSD. Mormede, P.; Henry, J.P. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1983. Paper presented at the Seminar on Indicators Relevant to Farm Animal Welfare, Mariensee, 9-10 November 1982. v. 23. p. 29-37. Includes references. (NAL Call No.: SF600.C82).

2152

Site and extent of neutral detergent fiber digestion, efficiency of ruminal digesta flux and fecal output as related to variations in voluntary intake and chewing behavior in heifers.
JANSAG. Deswysen, A.G. Ellis, W.C. Champaign, Ill. : American Society of Animal Science.

Journal of animal science. Oct 1988. v. 66 (10). p. 2678-2686. Includes references. (NAL Call No.: DNAL 49 J82).

2153

Some effects of cage and floor rearing on commercial White Leghorn pullets during growth and the first year of egg production.
POSCAL. Jin, L. Craig, J.V. Champaign, Ill. : Poultry Science Association. Poultry science. Oct 1988. v. 67 (10). p. 1400-1406. Includes references. (NAL Call No.: DNAL 47.8 AM33P).

2154

Stereotypes as animal welfare indicators (Behavior).

Broom, D.M. CTVSD. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1983. Paper presented at the Seminar on Indicators Relevant to Farm Animal Welfare, Mariensee, 9-10 November 1982. v. 23. p. 81-87. Includes references. (NAL Call No.: SF600.C82).

2155

Stress and behaviour: an operational approach to animal welfare (Caring for and handling).
Kilgour, R. CTVSD. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1983. Paper presented at the Seminar on Farm Animal Housing and Welfare, Aberdeen, July 28-30, 1982. v. 24. p. 36-44. ill. Includes references. (NAL Call No.: SF600.C82).

2156

Stress and the behaviour of domestic fowl.
WPSJA. Williams, N.S. Aylesbury : World's Poultry Science Association. World's poultry science journal. Oct 1984. v. 40 (3). p. 215-220. Includes references. (NAL Call No.: DNAL 47.8 W89).

2157

Stress in farm animals: a need for reevaluation (Behavior, neuroendocrinology).
Dantzer, R. JANSA. Mormede, P. Champaign : American Society of Animal Science. Journal of animal science. July 1983. v. 57 (1). p. 6-18. Includes references. (NAL Call No.: 49 J82).

(ANIMAL PHYSIOLOGY AND BIOCHEMISTRY)

2158

Suckling behaviour, immunoglobulin status and weaning performance in suckler cows.
WRAPA. Langholz, H.J. Schmidt, F.W.; Derenbach, J.; Kim, J.W. Rome : International Publishing Enterprises. World review of animal production. Apr/June 1987. v. 23 (2). p. 33-38, 6. Includes references. (NAL Call No.: DNAL 49 W89).

2159

A test of a free-access two-level pen for fattening pigs.
ANIPA. Fraser, D. Phillips, P.A.; Thompson, B.K. Neston, South Wirral, England : British Society of Animal Production. Animal production. Apr 1986. v. 42 (pt.2). p. 269-274. ill. Includes references. (NAL Call No.: DNAL 49 AN55).

2160

Thermoregulatory behavior.
Ingram, D.L. Dauncey, M.J. Boca Raton, Fla. : CRC Press, c1985. Stress physiology in livestock / editor, Mohamed K. Yousef. Literature review. v. 1 p. 97-108. ill. Includes 38 references. (NAL Call No.: DNAL SF768.S77).

2161

Thirst in horses: the physiological and psychological causes.
Houpt, K.A. Santa Barbara, Calif. : Veterinary Practice Pub. Co. Equine practice. June 1987. v. 9 (6). p. 28-30. Includes references. (NAL Call No.: DNAL SF951.E62).

2162

Time spent in shade and its relationship with physiological factors of thermoregulation in three breeds of cattle.
Bennett, L.L. Finch, V.A.; Holmes, C.R. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. Jan 1985. v. 13 (3). p. 227-236. Includes 14 references. (NAL Call No.: DNAL QL750.A6).

2163

Transport of animals intended for breeding production and slaughter (Calves, physiology, behavior).
Stephens, D.B. CTVSD. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1982. v. 18. p. 187-206. ill. 2 p. ref. (NAL Call No.: SF600.C82).

2164

Umwelt and animal welfare (Morphology, physiology and behaviour).
Wiepkema, P.R. CTVSD. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1983. Paper presented at the Seminar on Farm Animal Housing and Welfare, Aberdeen, July 28-30, 1982. v. 24. p. 45-50. ill. Includes references. (NAL Call No.: SF600.C82).

2165

Variation in piglet weights: relationship to suckling behavior, parity number and farrowing crate design.
CNJNA. Fraser, D. Thompson, B.K. Ottawa : Agricultural Institute of Canada. Canadian journal of animal science. Mar 1986. v. 66 (1). p. 31-46. ill. Includes references. (NAL Call No.: DNAL 41.8 C163).

2166

Visual discrimination between ewes by lambs.
Alexander, G. Shillito Walser, E.E. Amsterdam : Elsevier North-Holland. Developments in animal and veterinary sciences. 1985. v. 18. p. 247-251. Includes 4 references. (NAL Call No.: DNAL QL1.D48).

2167

Water buffalo.
Loypetjra, P. Chaiyabutr, N.; Usanakornkul, S.; Pichaicharnarong, A. Amsterdam : Elsevier, 1987. Bioclimatology and the adaptation of livestock / edited by H.D. Johnson. p. 107-125. Includes references. (NAL Call No.: DNAL SF87.B55).

2168

Weanling pigs under sublethal concentrations of atmospheric carbon monoxide.
JANSAG. Morris, G.L. Curtis, S.E.; Widowski, T.M. Champaign, Ill. : American Society of Animal Science. Journal of animal science. Nov 1985. v. 61 (5). p. 1080-1087. Includes references. (NAL Call No.: DNAL 49 J82).

2169

The welfare of confined sows: physiological, behavioural and production responses to contrasting housing systems and handler attitudes.
Barnett, J.L. Cronin, G.M.; Hemsworth, P.H.; Winfield, C.G. Paris : Dept. de pathologie animale de l'Institut national de la recherche agronomique. Annales de recherches veterinaire = Annals of veterinary research. 1984. Paper presented at the "CEC Workshop on Welfare of

210

(ANIMAL PHYSIOLOGY AND BIOCHEMISTRY)

Confined Sows," May 26-27, 1983, Rennes, France. v. 15 (2). p. 217-226. ill. Includes references. (NAL Call No.: SF602.A5).

225 p. : ill. --. Includes bibliographies. (NAL Call No.: 18 L2353 sp. no.48).

2170

Adaptation changes in the organism of hens during the period of postnatal development at restricted mobility. 3. Corticosteroids, reproductive system and aggressive behavior. Russian.

Petrikas, I.U.IU. Vilnius : Akademija. Darbai - Lietuvos TSR Mokslo Akademijos. Serija C = Trudy - Akademija Nauk Litovskoi SSR. Serija V. 1986. v. 3 (95). p. 79-86. Includes references. (NAL Call No.: DNAL 511 AK192D).

2171

Analysis of the cows' behavior and the relation between its behavior and heart rates.

Nomura, K. Tokuriki, M.; Nomura, S. Tokyo, Japanese Society of Zootechnical Science. Nihon Chikusan Gakkai ho = Japanese journal of zootechnical science. Nov 1980. v. 51 (11). p. 779-785. ill. 12 ref. (NAL Call No.: 49 N62).

2172

Behavior and clinical-physiological indicators of lambs at different dates of weaning from the ewes. Russian.

Iashunin, V.G. Svinchenko, T.T.; Sidakova, V.T. Moskva : Izdatel'stvo "Kolos". Ovtsevodstvo. July 1981. July 1981. (7). p. 29-30. (NAL Call No.: 45.8 OV72).

2173

Behavior and development of calves under conditions of commercial complex at different technologies. Russian.

Borodulin, E.N. IArovoi, S.A. Moskva : Kolos, 1981. Vyvedenie korov dlja molochnykh kompleksov / red. A.S. Vsiakikh. p. 149-158. ill. (NAL Call No.: SF201.V88).

2174

Behavior and metabolism in cows.

Beliaev, V.I. Petrov, P.E. Moskva, "Kolos". Veterinariia. July 1980. July 1980. (7). p. 57-58. (NAL Call No.: 41.8 V6426).

2175

Behavior biological and adaptation physiological aspects of slatted floor rearing of cattle and swine. GERMAN.
Braunschweig-Volkenrode Bundesforschungsanstalt fur Landwirtschaft 1979. Lectures of the "DFG-Kleinkonferenz" held March 23-24, 1979.

2176

Behavior, growth and development of calves under conditions of commercial technology. Russian.

Borodulin, E.ZHIVA. IArovoi, S. Moskva : Izdatel'stvo "Kolos". Zhivotnovodstvo. July 1981. July 1981. (7). p. 39-41. (NAL Call No.: 49 Z6).

2177

Behavior of sheep, heifers and buffalo heifers exposed to heat stress in a cold-energy chamber (Metabolic aspects). ITALIAN.

Borghese, A. Rome, II Istituto. Annali dell'Istituto Sperimentale per la Zootecnia. 1978. v. 11 (2). p. 203-226. ill. 44 ref. (NAL Call No.: SF1.18).

2178

Behavior of sows and their natural resistance at indoor maintenance. Ukrainian.

VSNAA. Chornyi, M.V. Kyiv : Derzh. vid-vo sil'hosn. Visnyk sill's'kohospodars'koi nauky. Oct 1983. (10). p. 64-67. Includes 7 references. (NAL Call No.: DNAL 20 V82).

2179

Behavioral and growth responses to environmental temperatures in weaned piglets kept in groups. Japanese.

NICKA3. Hata, H. Koizumi, T.; Miyazaki, H.; Abe, H.; Sugimoto, N.; Fujita, T. Tokyo : Japanese Society of Zootechnical Science. Nihon Chikusan Gakkai ho = Japanese journal of zootechnical science. Oct 1986. v. 57 (10). p. 796-800. Includes references. (NAL Call No.: DNAL 49 N62).

2180

Bull fattening in a semiopen-type fattening house with respect to the bull behavior. Czech.

Zizlavsky, J. Urban, F.; Marton, K. Praha : Ustav. Zivocisna výroba - Ceskoslovenska akademie zemedelska, Ustav vedeckotechnickych informaci pro zemedelstvi. Sept 1983. v. 28 (9). p. 655-661. Includes references. (NAL Call No.: 49.9 C33).

(ANIMAL PHYSIOLOGY AND BIOCHEMISTRY)

2181

The changes of heart rates in horses under the ordinary management in the livestock farm (Behavior).

Nomura, K. Tokuriki, M.; Nomura, S. Tokyo, Japanese Society of Zootecnical Science. Nihon Chikusan Gakkai ho. = Japanese journal of zootechnical science. Dec 1980. v. 51 (12). p. 823-829. ill. 13 ref. (NAL Call No.: 49 N62).

2182

Development, physiological values and behavior in swine reared on flat decks. German.

Marx, D. Hildesheim, W. Ger., Arbeitsgemeinschaft Deutscher Tierzuchter. Der Tierzuchter. Apr 25, 1982. v. 34 (4). p. 166-169. 8 ref. (NAL Call No.: 49 T445).

2183

Effect of a change in the stability of a group of fattened bulls on their performance and behavior. Czech.

Dolezal, O. Praha : Ustav. Zivocisna výroba - Ceskoslovenska akademie zemedelska, Ustav vedeckotechnickych informaci pro zemedelstvi. Feb 1984. v. 29 (2). p. 161-166. Includes references. (NAL Call No.: 49.9 C33).

2184

Effect of housing on the behaviour and weight gains of heifers.

Zadrazil, P. Dolezal, O. Praha, Ustav. Zivocisna výroba - Ceskoslovenska akademie zemedelska, Ustav vedeckotechnickych informaci pro zemedelstvi. Dec 1980. v. 25 (12). p. 897-902. ill. 13 ref. (NAL Call No.: 49.9 C33).

2185

Effect of keeping technology on growth rate and behaviour of calves. Hungarian.

Santha, T. ALTZA. Czako, J. Budapest, Hirlapkiado Vallalat. Allattenyeszes es takarmanyozas. = Animal breeding and feeding. 1982. v. 31 (2). p. 131-136. 10 ref. (NAL Call No.: 49 AL57).

2186

Effect of pig housing environment on pig efficiency and behavior. Czech.

SVSBD. Hovorka, F. Zarecky, M. Praha : Vysoka Skola Zemedelska. Sbornik. Rada B: Zivocisna výroba - Prague, Vysoka skola zemedelska, Fakulta agronomicka. 1985. 42. p. 247-262. Includes references. (NAL Call No.: DNAL SF1.P7).

2187

Influence of ACTH and adrenaline on the nutritive behavior and vegetative functions of sheep. RUSSIAN.

P'ianov, V.D. Butrova, G.A. Borovsk, Institut. Biulleten' Vsesojuznogo nauchno-issledovatel'skogo instituta fiziologii, biokhimii i pitaniia sel'skokhoziaistvennykh zhivotnykh. Vsesojuznyi nauchno-issledovatel'skii institut fiziologii, biokhimii i pitaniia sel'skokhoziaistvennykh zhivotnykh. 1979. 1979. (4). p. 6-10. ill. 7 ref. (NAL Call No.: SF604.V7).

2188

Influence of light intensity on weight gains and behavior of feeder lambs. Slovak.

Fabo, J. ZIVYA. Praha : Ustav. Zivocisna výroba - Ceskoslovenska akademie zemedelska, Ustav vedeckotechnickych informaci pro zemedelstvi. June 1983. v. 28 (6). p. 431-438. Includes references. (NAL Call No.: 49.9 C33).

2189

The influence of selection in different management systems on performance, behavior and physiological parameters of laying hens. 1. German.

Scholtyssek, S. Gschwindt-Ensinger, B.; Bessei, W. Stuttgart, W. Ger. : Eugen Ulmer. Archiv fur Geflugelkunde = European poultry science = Revue de science avicole europeenne. June 1983. v. 47 (3). p. 110-123. ill. Includes references. (NAL Call No.: 47.8 AR2).

2190

Investigation on the effect of feeding process on animal welfare in the calf. 2. Biochemical and health consequences of hydric and energizing feeding in sorting centers. French.

Morisse, J.P. RMVEA. Maisons-Alfort : Ecole nationale veterinaire, Alfort. Recueil de medecine veterinaire. 1983. v. 159 (4). p. 409-417. ill. Includes references. (NAL Call No.: 41.8 R24).

2191

Investigations of the use of pellets with a quota of roughage for rearing calves. 5. Influence of various quotas of straw and solids of swine slurry in pellets for rearing calves on the ruminating behaviour, the pH (hydrogen-ion concentration) value and volatile fatty acids in the rumen fluid and on the development of the omasum. GERMAN.

Hennig, A. Lohnert, H.J. Berlin, Akademie-Verlag. Archiv fur Tierernahrung. Nov 1979. v. 29 (11). p. 721-730. ill. 35 ref. (NAL Call No.: 389.78 AR22).

212

(ANIMAL PHYSIOLOGY AND BIOCHEMISTRY)

2192

Investigations on the behavior of normal and dw (dwarf)-chicken in open-field and individual cages regarding to growing capacity and feed conversion. French.

E1-Attar, M. Merat, P.; Bordas, A. Stuttgart, W. Ger. : Eugen Ulmer. Archiv fur Geflugelkunde = European poultry science = Revue de science avicole europeenne. June 1983. v. 47 (3). p. 90-95. Includes references. (NAL Call No.: 47.8 AR2).

2193

Living things in eastern Siberia. Japanese. Tamanuki, Koichi, 1903-. Tokyo Kokusho Kankokai Showa 55 (1980). 260 p. : ill., photographs ; 22 cm. (NAL Call No.: QL300.T3).

2194

The potassium metabolism of horses with marginal care and supplemental stress. German. Gurur, Cengiz. Hannover : s.n., 1985. English summary. 185, 3 p. : ill. ; 21 cm. Bibliography: p. 132-154. (NAL Call No.: DNAL 41.2 H198 1985 no.150).

2195

Reaction of cows to limiting the space at the feeding table in stables with loose housing. Slovene.

ZBFVA. Bertoncelj, M. Ljubljana : Fakulteta. Zbornik Biotehniške fakultete univerze Edvarda Kardelja v Ljubljani : Kmetijstvo. 1983. v. 42. p. 33-83. Includes 90 references. (NAL Call No.: DNAL 21.5 Z15).

2196

Results of qualitative and quantitative studies on behavior, performance and physiological-anatomical status of laying hens in different rearing systems (barnyard, floor and cage rearing). German.

Wegner, R.M. Hildesheim, W. Ger. : Arbeitsgemeinschaft Deutscher Tierzüchter. Der Tierzüchter. Oct 25, 1982. v. 34 (10). p. 416-418. (NAL Call No.: 49 T445).

2197

Role of endocrine glands in the aggressive behavior of hens during the period of postnatal development. 2. Thyroid gland. Russian. Kuosaite, B. Dzingaite, S.; Pabrezaite, R.; Petrikas, J.; Rimkute, E. Vilnius : Akademija. Darbai - Lietuvos TSR Mokslo Akademijos. Serija C. = Trudy - Akademija Nauk Litovskoi SSR. Serija V. 1980. 1980. (3). p. 105-110. 17 ref. (NAL Call No.: 511 AK192D).

2198

Role of endocrine glands in the aggressive behavior of young roosters during the period of postnatal development. RUSSIAN.

Rimkute, E.P. Dzingaite, S.M.; Kuosaite, B.A.; Pabrezaite, R.J.; Petrikas, J.J.; Vosyliene, Z.M. Vilnius, Akademija. Darbai. = Trudy. Serija C. = Serija V. Lietuvos TSR Mokslo akademija. 1979. v. 2. p. 105-112. 111. 27 ref. (NAL Call No.: 511 AK192D).

2199

Selection of resting place and territorial arrangement of growing bulls of different age groups (Behavior). Hungarian.

Borsi, J. ALTZA. Budapest, Hirlapkiado Vallalat. Allattenyesztes es takarmanyozas. = Animal breeding and feeding. 1981. v. 30 (3). p. 283-287. 3 ref. (NAL Call No.: 49 AL57).

2200

Some physiological peculiarities and alimentary behavior connected to the regime of illumination of broiler chickens grown in batteries (Weight gain, effects of feeding). ROMANIAN.

Boisteanu, I. Folea, O.; Boisteanu, A.; Brezuleanu, S.; Cocos, L.; Margarint, I. Iasi, (s.n.). Lucrari stiintifice. Seria Zootehnie Medicina veterinara. 1978. 1978. p. 71-72. 4 ref. (NAL Call No.: SF695.R615).

2201

Studies of the behavior of the serum enzymes Aspartat-aminotransferase, Creatin-kinase, Lactate-dehydrogenase in warm-blood horses under the influence of time of day, transportation, racing participation and training.

Schmidt, Karl-Heinz, 1952-. Giessen (West Germany) (s.n.) 1979. Includes vita. 58 p. : ill. ; 21 cm. --. Bibliography: p. 49-58. (NAL Call No.: 41.2 G3642 1979 no.43).

2202

Studies on the behaviour of serum enzyme aspartate aminotransferase, creatine kinase, lactate dehydrogenase, alkali phosphatase and serum bilirubin in Thoroughbred horses under the effect of transportation, competition, Tongeing and daytime. GERMAN.

Schmidt, B. Schmidt, K.H. Berlin, Paul Parey. Berliner und Munchener tierarztliche Wochenschrift. July 1, 1980. v. 93 (13). p. 244-246. (NAL Call No.: 41.8 B45).

(ANIMAL PHYSIOLOGY AND BIOCHEMISTRY)

2203

Studies on the influence of social behavior on some blood values in sows.
Tanase, D. Drugociu, G.; Turliuc, O.; Bondariu, I. Iasi, (s.n.). Lucrari stiintifice. Seria Zootehnice Medicina veterinara. 1979. v. 23. p. 65-66. 5 ref. (NAL Call No.: SF695.R6I5).

2204

Study of behaviour of dairy cows of the Slovak Spotted breed under the conditions of high concentration and technized environment.
Vavak, V. Bratislava, Slovenska akademia vied. Pol'nohospodarstvo. = Sel'skoe khoziaistvo. = Agriculture. 1980. v. 26 (12). p. 1066-1073. ill. 6 ref. (NAL Call No.: 19.5 P752).

2205

Study of liveweight and viability behavior of five broiler lines during the acclimation stage (Chicks, Cuba). Spanish.
Villa, J.R.REAVD. Perez, M.; Herrera, A. Habana : Instituto de Investigaciones Avicolas de Cuba. Revista aviculura. Dec 1981. v. 25 (4). p. 177-183. Includes references. (NAL Call No.: SF481.A9).

VETERINARY SCIENCE AND HYGIENE

2206

Address by the Dutch director-general for agriculture and food (Improvements in the welfare of farm animals).
Zeeuw, A. de. Amsterdam, Elsevier. Animal regulation studies. Oct 1980. v. 3 (1/2). p. 141-143. (NAL Call No.: HV4701.A52).

2207

Alternative housing systems for veal calves, their effect on welfare and performance and their economic feasibility (Costs, disease control, England).

Steenkamer, N. CTVSD. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1982. v. 19. p. 226-234. (NAL Call No.: SF600.C82).

2208

Alternative sow housing.

Petersfield Hampshire : Compassion in World Farming. Agscience : news & comments on agriculture and the environment. June 1987. (88). p. 8-9. ill. (NAL Call No.: DNAL HV4804.A3A4).

2209

The American Humane Association (AHA): position on wild horse management.

White, D.J. Lake Elsinore, Calif. : William E. Jones, DVM. Journal of equine veterinary science. Paper presented at the "Wild Mustang Ecology Symposium," May 1986, Bishop, California. 1986. v. 6 (5). p. 276-277. (NAL Call No.: DNAL SF951.U65).

2210

Animal boredom: is a scientific study of the subjective experiences of animals possible?.
Wemelsfelder, F. Boston : Martinus Nijhoff Publishers. Advances in animal welfare science. 1984 (pub. 1985). p. 115-154. Includes references. (NAL Call No.: DNAL HV4701.A34).

2211

Animal health health, disease and welfare of farm livestock /David Sainsbury. --.
Sainsbury, David. Boulder, Colo. : Westview Press, 1983. Publisher from label on t.p.~ Includes index. 232 p. : ill. ; 23 cm. (NAL Call No.: DNAL SF757.S24).

2212

Animal welfare and natural disasters in the grazing industry.

Alexander, G.I. Indooroopilly, QLD : Australian Veterinary Association (Queensland Division), 1985 . Grazing Animal Welfare Symposium : proceedings of a symposium held at the Bardon Professional Development Centre, Brisbane, on April 26th and 27th, 1985 / editors: Brian L. Moore and Peter J. Chenoweth. p. 57-65. Includes references. (NAL Call No.: DNAL SF85.4.A9G72 1985).

2213

Animal welfare, husbandry and disease, with particular reference to the galliform species.
Sainsbury, D.W.B. London : BVA Animal Welfare Foundation, 1984? . Priorities in animal welfare : the proceedings of the Animal Welfare Foundation's first symposium, held on 20 November 1984 / edited by Liz Bagnall. p. 43-56. ill. (NAL Call No.: DNAL HV4704.A54 1984).

2214

Animal welfare on the farm.

SPANA. Wilson, P.N. Foston : J.G.R. Stevens. Span. French summary page 138. German summary page 142. Spanish summary page 140. 1981. v. 24 (3). p. 121-123, 138, 140, 142. ill. Includes references. (NAL Call No.: DNAL 464.8 SP2).

2215

Animal well-being and animal care.

Curtis, S.E. Philadelphia, Pa. : W.B. Saunders Company. The Veterinary clinic of North America : food animal practice. In the series analytic: Farm animal behavior / edited by E.O. Price.~ Literature review. July 1987. v. 3 (2). p. 369-382. ill. Includes references. (NAL Call No.: DNAL SF601.V535).

2216

Applicability of indicators in animal welfare research (Behavior, physiological parameters, clinical diagnosis).

Unshelm, J. CTVSD. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1983. Paper presented at the Seminar on Indicators Relevant to Farm Animal Welfare, Mariensee, 9-10 November 1982. v. 23. p. 225-231. Includes references. (NAL Call No.: SF600.C82).

(VETERINARY SCIENCE AND HYGIENE)

2217

Applications of neurobiological studies to farm animal welfare.
CTVSD. Broom, D.M. Dordrecht : Martinus Nijhoff Publishers. Current topics in veterinary medicine and animal science. In the series analytic: Biology of stress in farm animals: an integrative approach / edited by P.R. Wiepkema and P.W.M. van Adrichem. A seminar in the CEC programme of coordination research on animal welfare, April 17-18, 1986, Oosterbeek, Netherlands.~ Literature review. 1987. v. 42. p. 101-110. Includes references. (NAL Call No.: DNAL SF600.C82).

2218

Aspects of farm animal welfare.
VETRAX. Oldham, J. London : British Veterinary Association. The Veterinary record. Jan 2, 1988. v. 122 (1). p. 20. Includes references. (NAL Call No.: DNAL 41.8 V641).

2219

An assessment of carbon dioxide stunning in pigs.
VETRAX. Gregory, N.G. Moss, B.W.; Leeson, R.H. London : British Veterinary Association. The Veterinary record. Nov 28, 1987. v. 121 (22). p. 517-518. Includes references. (NAL Call No.: DNAL 41.8 V641).

2220

Assessment of comfort and well-being in farm animals.
JANSAG. Gonyou, H.W. Champaign, Ill. : American Society of Animal Science. Journal of animal science. Paper presented at a symposium on "Indices to measure animal Well-Being," August 15, 1985, Athens, Georgia. June 1986. v. 62 (6). p. 1769-1775. Includes references. (NAL Call No.: DNAL 49 J82).

2221

The Athene Trust. New report states: "The close confinement of sows causes severe distress".
Petersfield Hampshire : Compassion in World Farming. Agscience : news & comments on agriculture and the environment. Dec 1986. (86). p. 4. ill. (NAL Call No.: DNAL HV4804.A3A4).

2222

The attainment of humane housing for farm livestock.
Wood-Gush, D.G.M. Boston : Martinus Nijhoff Publishers. Advances in animal welfare science. 1985 c1986. p. 47-55. ill. Includes references. (NAL Call No.: DNAL HV4701.A34).

2223

Beak trimming in poultry.
WPSJA. Gentle, M.J. Aylesbury : World's Poultry Science Association. World's poultry science journal. Literature review. Oct 1986. v. 42 (3). p. 268-275. Includes references. (NAL Call No.: DNAL 47.8 W89).

2224

Behavioral, physiological and functional aspects of stereotyped behavior: a review and a re-interpretation.
JANSAG. Dantzer, R. Champaign, Ill. : American Society of Animal Science. Journal of animal science. Paper presented at a symposium on "Indices to measure animal Well-Being," August 15, 1985, Athens, Georgia. June 1986. v. 62 (6). p. 1776-1786. Includes references. (NAL Call No.: DNAL 49 J82).

2225

Behaviour and state of health of cows and calves kept together or separately in the post partum period.
Metz, J. Darmstadt : Kuratorium fur Technik und Bauwesen in der Landwirtschaft, 1984? Proceedings of the International Congress on Applied Ethology in Farm Animals, Kiel, 1984 / edited by J. Unshelm, G. van Putten and K. Zeeb ; sponsored by the Federal Ministry of Food, Agriculture and Forestry. p. 358-362. Includes references. (NAL Call No.: DNAL SF756.7.I5 1984).

2226

Behaviour of roaster chickens towards an automatic weighing perch.
BPOSA. Newberry, R.C. Hunt, J.R.; Gardiner, E.E. Harlow, Essex : Longman. British poultry science. Apr 1985. v. 26 (2). p. 229-237. Includes references. (NAL Call No.: DNAL 47.8 B77).

2227

Behaviour of the ewe and lamb at lambing and its relationship to lamb mortality.
Arnold, G.W. Morgan, P.D. Amsterdam : Elsevier North-Holland. Developments in animal and veterinary sciences. 1985. v. 18. p. 97-118. Includes 28 references. (NAL Call No.: DNAL QL1.D48).

(VETERINARY SCIENCE AND HYGIENE)

2228

Behaviour, production and welfare in relation to animal density for dairy cows in loose housing.

Krohn, C.C. Konggaard, S.P. Copenhagen : Landhusholdningselkabets Forlag, 1987. Research in cattle production : Danish status and perspectives : contribution in honor of A. Neimann-Sorensen, 1 May 1987 / B. Bech Andersen ... et al. . p. 160-168. Includes references. (NAL Call No.: DNAL SF201.R47 1987).

2229

Behavioural aspects of stress.

CTVSD. Wiepkema, P.R. Dordrecht : Martinus Nijhoff Publishers. Current topics in veterinary medicine and animal science. In the series analytic: Biology of stress in farm animals: an integrative approach / edited by P.R. Wiepkema and P.W.M. van Adrichem. A seminar in the CEC programme of coordination research on animal welfare, April 17-18, 1986, Oosterbeek, Netherlands.~ Literature review. 1987. v. 42. p. 113-133. Includes references. (NAL Call No.: DNAL SF600.C82).

2230

Biology of stress in farm animals an integrative approach : a seminar in the CEC programme of coordination research on animal welfare, held on April 17-18, 1986, at the Pietersberg Conference Centre, Oosterbeek, the Netherlands /editors, P.R. Wiepkema, P.W.M. van Adrichem.

Wiepkema, P. R._1928-; Adrichem, P. W. M. van. Dordrecht ; Boston : M. Nijhoff for the Commission of the European Communities ; Hingham, Mass. : Distributors for the United States and Canada, Kluwer Academic Publishers, 1987. viii, 198 p. : ill. ; 25 cm. Includes bibliographies. (NAL Call No.: DNAL SF600.C82 v.42).

2231

Brave new farm?.

Mason, J. New York : Perennial Library, 1986, c1985. In defense of animals / edited by Peter Singer. p. 89-107. (NAL Call No.: DNAL HV4711.I6 1986).

2232

Broiler chicken.

Sainsbury, D.W.B. London : Bailliere Tindall, 1988. Management and welfare of farm animals. p. 221-232. ill. Includes references. (NAL Call No.: DNAL SF61.M35 1988).

2233

Cardiac arrest stunning of livestock and poultry.

Grandin, T. Boston : Martinus Nijhoff Publishers. Advances in animal welfare science. Literature review. 1985 c1986. p. 1-30. Includes references. (NAL Call No.: DNAL HV4701.A34).

2234

Care of pastured horses.

Thorson, J. Colorado Springs : The Journal. Western horseman. July 1985. p. 24-26. ill. (NAL Call No.: DNAL 42.8 W522).

2235

Caring for your communities' carriage horses.

Boatfield, M.P. Miller, L.; Vadnal-Douglas, N. Tucson, Az. : KBR Publications. Community animal control. Nov/Dec 1986. v. 5 (6). p. 11-14, 20-23. ill. Includes references. (NAL Call No.: DNAL HV4764.C62).

2236

The case against intensive farming of food animals.

Mickley, L.D. Fox, M.W. Boston : Martinus Nijhoff Publishers. Advances in animal welfare science. Paper presented at the conference on "Animals and Humans: Ethical Perspectives," Moorhead, Minnesota, April 21-23, 1986. 1986/1987. p. 257-272. Includes references. (NAL Call No.: DNAL HV4701.A34).

2237

Chicken-environment interactions.

Gross, W.B. Clifton, N.J. : Humana Press, c1983. Ethics and animals / edited by Harlan B. Miller and William H. Williams. p. 329-337. (NAL Call No.: DNAL HV4711.E87).

2238

Chronic stress in riding horses.

EQVJA. Odberg, F.O. London : British Equine Veterinary Association. Equine veterinary journal. July 1987. v. 19 (4). p. 268-269. Includes references. (NAL Call No.: DNAL SF955.E6).

(VETERINARY SCIENCE AND HYGIENE)

2239

A chronology of significant events, meetings, and publications concerning the welfare of laboratory and farm animals.

Rowan, A.N. Washington, D.C. : Institute for the Study of Animal Problems. International journal for the study of animal problems. May/Apr 1981. v. 2 (2). p. 60-67. Includes references. (NAL Call No.: DNAL HV4701.I49).

2240

Common practices and problems related to artificially rearing calves: an ethological analysis.

Friend, T.H. Dellmeier, G.R. Amsterdam : Elsevier Science Publishers, B.V. Applied animal behaviour science. Paper presented at the "Symposium on Animal Bio-ethics and Applied Ethology," August 1987, Montreal, Canada. July 1988. v. 20 (1/2). p. 47-62. Includes references. (NAL Call No.: DNAL QL750.A6).

2241

Comparative mortality and morbidity rates for cattle on slatted floors and in straw yards. Hannan, J. CTVSD. Murphy, P.A. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1983. Paper presented at the Seminar on Indicators Relevant to Farm Animal Welfare, Mariensee, 9-10 November 1982. v. 23. p. 139-142. Includes references. (NAL Call No.: SF600.C82).

2242

A comparison of the early behaviour of intensively and extensively reared calves.

ANIPA. Kerr, S.G.C. Wood-Gush, D.G.M. Neston, South Wirral, England : British Society of Animal Production. Animal production. Oct 1987. v. 45 (pt.2). p. 181-190. Includes references. (NAL Call No.: DNAL 49 AN55).

2243

Concussive methods of pre-slaughter stunning in sheep: assessment of brain function using cortical evoked responses.

RVTSA. Daly, C.C. Gregory, N.G.; Wotton, S.B.; Whittington, P.E. London : British Veterinary Association. Research in veterinary science. Nov 1986. v. 41 (3). p. 349-352. Includes references. (NAL Call No.: DNAL 41.8 R312).

2244

Concussive methods of pre-slaughter stunning in sheep: effects of captive bolt stunning in the poll position on brain function.

RVTSA. Daly, C.C. Whittington, P.E. London : British Veterinary Association. Research in veterinary science. Nov 1986. v. 41 (3). p. 353-355. Includes references. (NAL Call No.: DNAL 41.8 R312).

2245

Congress funds the removal of 10,000 wild horses in 1988.

Gaspar, R.J. Denver, Colo. : American Humane Association, Animal Protection Division. Advocate. Winter 1988. v. 6. p. 10-11. illl. (NAL Call No.: DNAL HV4701.A35).

2246

Corticosteroids and other indicators of hens' well-being in four laying-house environments.

POSCAL. Craig, J.V. Craig, J.A.; Vargas, J.V. Champaign, Ill. : Poultry Science Association. Poultry science. May 1986. v. 65 (5). p. 856-863. Includes references. (NAL Call No.: DNAL 47.8 AM33P).

2247

A crack in the shell: the violence in the egg carton.

Miller, B.S. Westport, Conn. : Animal Rights Network. The Animals' agenda. Sept 1987. v. 7 (7). p. 28-32, 57. illl. (NAL Call No.: DNAL HV4701.A45).

2248

Crib-biting and windsucking--that equine enigma (Behavior, horses, preventive measures).

Owen, R.R. Bristol, John Wright & Sons. The Veterinary annual. 1982. 1982. (22nd). p. 159-168. illl. 2 p. ref. (NAL Call No.: 41.8 V6456).

2249

Cruelty American style: animal suffering in the rodeos.

Pardue, L. Westport, Conn. : Animal Rights Network. The Animals' agenda. April 1987. v. 7 (3). p. 38-41. illl. (NAL Call No.: DNAL HV4701.A45).

(VETERINARY SCIENCE AND HYGIENE)

2250

The current status of preference tests in the assessment of animal welfare (Health and productivity, and physiological and behavioural disturbances).

Dawkins, M.S. CTVSD. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1983. Paper presented at the Seminar on Farm Animal Housing and Welfare, Aberdeen, July 28-30, 1982. v. 24. p. 20-26. Includes references. (NAL Call No.: SF600.C82).

2251

The definition, current knowledge and implementation of welfare for farm animals--a personal view.

Kilgour, R. Boston : Martinus Nijhoff Publishers. Advances in animal welfare science. 1985 c1986. p. 31-46. Includes references. (NAL Call No.: DNAL HV4701.A34).

2252

Development in welfare guidelines.

BOPUDB. Moss, R. Haddington : The Society. BSAP occasional publication : an occasional publication of the British Society of Animal Production. In the series analytic: Pig housing and the environment / edited by A.T. Smith and T.L.J. Lawrence. Proceedings of a Symposium, October 1986, Kenilworth, Scotland. 1987. (11). p. 93-97. Includes references. (NAL Call No.: DNAL SF5.B74).

2253

Diseases affecting confined sows. Data from epidemiological observations (France).

Tillon, J.P. Madec, F. Paris : Dept. de pathologie animale de l'Institut national de la recherche agronomique. Annales de recherches vétérinaires = Annals of veterinary research. 1984. Paper presented at the "CEC Workshop on Welfare of Confined Sows," May 26-27, 1983, Rennes, France. v. 15 (2). p. 195-199. Includes references. (NAL Call No.: SF602.A5).

2254

Drinking cow's milk: the most intense man-animal bond.

Schwabe, C.W. Minneapolis, Minn. : Cent to Study Human-Animal Relat and Environ, Univ of Minnesota, 1984. The Pet connection : its influence on our health and quality of life / editors, Robert K. Anderson, Benjamin L. Hart, Lynette A. Hart. Paper presented at Proceedings of "Conference on the Human-Animal Bond," June 13-14, 1983, University of Minnesota, and June 17-18, 1983, University of California-Irvine. p. 50-57. Includes references. (NAL Call No.: DNAL SF411.5.P47).

2255

Dying for the dairy.

Petersfield Hampshire : Compassion in World Farming. Agscience : news & comments on agriculture and the environment. June 1987. (88). p. 2-3. ill. (NAL Call No.: DNAL HV4804.A3A4).

2256

Early disturbance of Merino ewes from the birth site increases lamb separations and mortality.

Putu, I.G. Poindron, P.; Lindsay, D.R. Sydney : Pergamon Press. Proceedings of the Australian Society of Animal Production. 1988. v. 17. p. 298-301. Includes references. (NAL Call No.: DNAL 49.9 AU72).

2257

Economic and animal welfare considerations of early castration and utilization of Ralgro implants (Suckling calves).

Cain, M.F. St. Paul, Minn. : The Institute. Official proceedings : annual meeting - Livestock Conservation Institute. 1983. 1983. p. 56-68. ill. Includes references. (NAL Call No.: 280.3409 L75A).

2258

An ecopathological approach for assessing risk factors in intensive rearing systems: examples from pig production (Pathology and behavior problems).

Tillon, J.P. CTVSD. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1983. Paper presented at the Seminar on Indicators Relevant to Farm Animal Welfare, Mariensee, 9-10 November 1982. v. 23. p. 125-138. ill. (NAL Call No.: SF600.C82).

2259

Effect of adaptation to handling on the circulating corticosterone concentration of laying hens.

BPOSA. Webb, M.L. Mashaly, M.M. Harlow, Essex : Longman. British poultry science. July 1984. v. 25 (3). p. 425-427. Includes references. (NAL Call No.: DNAL 47.8 B77).

2260

Effect of cage height and area on the behaviour of hens housed in battery cages.

BPOSA. Nicol, C.J. Oxfordshire : Carfax Publishing Company. British poultry science. June 1987. v. 28 (2). p. 327-335. Includes references. (NAL Call No.: DNAL 47.8 B77).

(VETERINARY SCIENCE AND HYGIENE)

2261

Effect of electrical stunning on the electroencephalogram in chickens.
BVJDA. Gregory, N.G. Wotton, S.B. London : Bailliere Tindall. British veterinary journal. Mar/Apr 1987. v. 143 (2). p. 175-183. Includes references. (NAL Call No.: DNAL 41.8 V643).

2262

The effect of individual and group housing on behavioural and physiological responses related to the welfare of pregnant pigs.
Barnett, J.L. Winfield, C.G.; Cronin, G.M.; Hemsworth, P.H.; Dewar, A.M. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. July 1985. v. 14 (2). p. 149-161. Includes 31 references. (NAL Call No.: DNAL QL750.A6).

2263

Effect of prepubertal versus postpubertal castration on sexual and aggressive behavior in male horses.
JAVMA4. Line, S.W. Hart, B.L.; Sanders, L. Schaumburg, Ill. : The Association. Journal of the American Veterinary Medical Association. Feb 1, 1985. v. 186 (3). p. 249-251. Includes 9 references. (NAL Call No.: DNAL 41.8 AM3).

2264

Effect of production noises on the state of health, productivity, and behavior of cows.
Plyashchenko, S.I. Sidorov, V.T. New York, N.Y. : Allerton Press. Soviet agricultural sciences. Translated from: Vsesoiuznaya akademiia sel'skokhoziaistvennykh nauk, Doklady, p.27-28 (20 AK1). 1984. (5). p. 51-54. Includes 9 references. (NAL Call No.: DNAL S1.S68).

2265

Effects of behavioural and physical stressors on immune responses.
CTVSD. Siegel, H.S. Dordrecht : Martinus Nijhoff Publishers. Current topics in veterinary medicine and animal science. In the series analytic: Biology of stress in farm animals: an integrative approach / edited by P.R. Wiepkema and P.W.M. van Adrichem. A seminar in the CEC programme of coordination research on animal welfare, April 17-18, 1986, Dosterbeek, Netherlands. 1987. v. 42. p. 39-54. ill. Includes references. (NAL Call No.: DNAL SF600.C82).

2266

Effects of chronic stress on some blood parameters in the pig (Behavior).
Barnett, J.L. Hemsworth, P.H.; Hand, A.M. Amsterdam : Elsevier. Applied animal ethology. Jan 1983. v. 9 (3/4). p. 273-277. ill. Includes references. (NAL Call No.: QL750.A6).

2267

The effects of design of individual stalls on the social behaviour and physiological responses related to the welfare of pregnant pigs.
Barnett, J.L. Hemsworth, P.H.; Winfield, C.G. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. Aug 1987. v. 18 (2). p. 133-142. ill. Includes references. (NAL Call No.: DNAL QL750.A6).

2268

Effects of early experience upon adaptiveness of horses.
Heird, J.C. Bell, R.W.; Brazier, S.G. Boston, Mass. : Martinus Nijhoff Publishers. Advances in animal welfare science. 1986/1987. p. 103-109. Includes references. (NAL Call No.: DNAL HV4701.A34).

2269

The effects of genotype on physiological and behavioural responses related to the welfare of pregnant pigs.
Barnett, J.L. Hemsworth, P.H.; Cronin, G.M.; Winfield, C.G.; McCallum, T.H.; Newman, E.A. Amsterdam : Elsevier Science Publishers, B.V. Applied animal behaviour science. Aug 1988. v. 20 (3/4). p. 287-296. Includes references. (NAL Call No.: DNAL QL750.A6).

2270

Effects of lithium on aggressive behaviour in domestic pigs.
Dantzer, R. Mornede, P. Oxford, Blackwell Scientific Publications. Journal of veterinary pharmacology and therapeutics. Dec 1979. v. 2 (4). p. 299-303. ill. 12 ref. (NAL Call No.: SF915.U63).

2271

Electro-immobilisation.
AUVJA. Rushen, J. Brunswick, Victoria : Australian Veterinary Association. Australian veterinary journal. June 1987. v. 64 (6). p. 194-195. Includes references. (NAL Call No.: DNAL 41.8 AU72).

220

(VETERINARY SCIENCE AND HYGIENE)

2272

Electro-immobilization versus mechanical restraint in an avoid-avoid choice test for ewes.

JANSAG. Grandin, T. Curtis, S.E.; Widowski, T.M.; Thurmon, J.C. Champaign, Ill. : American Society of Animal Science. Journal of animal science. June 1986. v. 62 (6). p. 1469-1480. maps. Includes references. (NAL Call No.: DNAL 49 J82).

2273

Equine behavior (Horses, trailer problems).

Houpt, K.A. Santa Barbara, Calif., Veterinary Practice Pub. Co. Equine practice. Feb 1982. v. 4 (2). p. 12-14, 16. (NAL Call No.: SF951.E62).

2274

Equine behavior problems in relation to humane care.

Houpt, K.A. Hanover, N.H. : University Press of New England for Delta Society. Anthrozoos. Winter 1987. v. 1 (3). p. 184-187. Includes references. (NAL Call No.: DNAL SF411.A57).

2275

Ethological aspects of the behavior of hens in relation to different housing systems.

Folsch, D.W. Witzenhausen : Verlagsgruppe Witzenhausen, c1986. The importance of biological agriculture in a world of diminishing resources : proc of the 5th IFOAM Int Scientific Conference at the Univ of Kassel (Germany), Aug 27-30, 1984 / H. Vogtmann, E. Boehncke, I. Fricke, eds. p. 396-403. Includes references. (NAL Call No.: DNAL S605.5.I45 1984).

2276

Ethological sound pig production.

Gotz, M. Weber, R.; Rist, M.; Kohn, P.; Konrad, S. Witzenhausen : Verlagsgruppe Witzenhausen, c1986. The importance of biological agriculture in a world of diminishing resources : proc of the 5th IFOAM Int Scientific Conference at the Univ of Kassel (Germany), Aug 27-30, 1984 / H. Vogtmann, E. Boehncke, I. Fricke, eds. p. 380-386. ill. Includes references. (NAL Call No.: DNAL S605.5.I45 1984).

2277

Europe's farm animals.

Washington, D.C. : The Institute. The Animal Welfare Institute quarterly. Winter 1982/83. v. 31 (4). p. 1, 6-8. ill. (NAL Call No.: DNAL HV4761.A5).

2278

EVA Animal Welfare Foundation

Symposium--priorities in animal welfare: Summary and conclusions.

Tandy, J. (comp.). Oliver, D.F. (comp.). London : BVA Animal Welfare Foundation, 1984? . Priorities in animal welfare : the proceedings of the Animal Welfare Foundation's first symposium, held on 20 November 1984 / edited by Liz Bagnall. p. 108-116. (NAL Call No.: DNAL HV4704.A54 1984).

2279

Evaluation of research results & suggestions for future research relevant to farm animal welfare.

Vestergaard, K. Bareham, J.R. Basel, Birkhauser Verlag. Tierhaltung. 1981. v. 11. p. 55-68. Includes 4 p. ref. (NAL Call No.: SF105.T5).

2280

Evils of modern stables.

Lupton, J.I. Boston : Martinus Nijhoff Publishers. Advances in animal welfare science. 1984 (pub. 1985). p. 155-161. (NAL Call No.: DNAL HV4701.A34).

2281

An examination of behavioral, immunological and productive traits in four management systems for sows and piglets.

McGloone, J.J. Blecha, F. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. Oct 1987. v. 18 (3/4). p. 269-286. Includes references. (NAL Call No.: DNAL QL750.A6).

2282

Family pens as a species-specific system for keeping pigs in the tropical lowlands of Yucatan.

Neugebauer, B. Witzenhausen : Verlagsgruppe Witzenhausen, c1986. The importance of biological agriculture in a world of diminishing resources : proc of the 5th IFOAM Int Scientific Conference at the Univ of Kassel (Germany), Aug 27-30, 1984 / H. Vogtmann, E. Boehncke, I. Fricke, eds. p. 387-395. ill. Includes references. (NAL Call No.: DNAL S605.5.I45 1984).

2283

Farm animal welfare.

Fox, M.W. College Park : The Conference. Proceedings - Maryland Nutrition Conference for Feed Manufacturers. 1981. p. 1-9. Includes references. (NAL Call No.: DNAL 389.9 UN342).

221

(VETERINARY SCIENCE AND HYGIENE)

2284

Farm animal welfare.

AMSCA. Mench, J.A. Tienhoven, A. van. New Haven, Conn. : Sigma Xi, The Scientific Research Society. American scientist. Nov/Dec 1986. v. 74 (6). p. 598-603. ill. Includes references. (NAL Call No.: DNAL 470 SI2).

2285

Farm animal welfare, 1979-March 1987.

Bebe, C.N. Beltsville, Md. : The Library. Quick bibliography series - National Agricultural Library (U.S.). Bibliography. Sept 1987. (87-69). 22 p. (NAL Call No.: DNAL aZ5071.N3).

2286

Farm animal welfarism in America today.

Curtis, S.E. College Park : The Conference. Proceedings - Maryland Nutrition Conference for Feed Manufacturers. 1985. p. 1-5. (NAL Call No.: DNAL 389.9 UN342).

2287

Farm animals : husbandry, behavior, and veterinary practice : viewpoints of a critic / Michael W. Fox. -.

Fox, Michael W., 1937-. Baltimore University Park Press c1984. Includes index. xiii, 285 p. : ill. ; 24 cm. Bibliography: p. 253-272. (NAL Call No.: SF61.F63).

2288

Farm inspection guidelines.

Westport, Conn. : Animal Rights Network. The Animals' agenda. July/Aug 1987. v. 7 (6). p. 38-40. (NAL Call No.: DNAL HV4701.A45).

2289

Farrowing accomodation and losses, vitality and daily gain of piglets as indicators of well being.

Bekaert, H.CTVSD. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1983. Paper presented at the Seminar on Indicators Relevant to Farm Animal Welfare, Mariensee, 9-10 November 1982. v. 23. p. 183-188. Includes references. (NAL Call No.: SF600.C82).

2290

Federal judge condemns hot-iron face branding.

Washington, D.C. : The Institute. The Animal Welfare Institute quarterly. Spring 1987. v. 35 (1). p. 3. ill. (NAL Call No.: DNAL HV4761.A5).

2291

Federal law and animal welfare (USDA, includes soring of horses, thermovision).

Mulhern, F.J. Amsterdam, Elsevier. Animal regulation studies. Apr 1981. v. 3 (3). p. 237-245. ill. 13 ref. (NAL Call No.: HV4701.A52).

2292

Grazing animal transport and handling--cumulative husbandry in the export of livestock.

Meischke, H.R.C. Brennan, R.G. Indooroopilly, QLD : Australian Veterinary Association (Queensland Division), 1985. Grazing Animal Welfare Symposium : proceedings of a symposium held at the Bardon Professional Development Centre, Brisbane, on April 26th and 27th, 1985 / editors: Brian L. Moore and Peter J. Chenoweth. p. 137-144. Includes references. (NAL Call No.: DNAL SF85.4.A9G72 1985).

2293

A haven for farm animals.

Bauston, G. Westport, Conn. : Animal Rights Network. The Animals' agenda. June 1987. v. 7 (5). p. 10-11. ill. (NAL Call No.: DNAL HV4701.A45).

2294

Headshaking in horses. 2. History and management tests (Behavior, veterinary practice).

Cook, W.R. Santa Barbara, Calif., Veterinary Practice Pub. Co. Equine practice. Nov/Dec 1979. v. 1 (6). p. 36-37. ill. (NAL Call No.: SF951.E62).

2295

Headshaking in horses. 3. Diagnostic tests (Behavior).

Cook, W.R. Santa Barbara, Calif., Veterinary Practice Pub. Co. Equine practice. Jan/Feb 1980. v. 2 (1). p. 31, 34-40. ill. (NAL Call No.: SF951.E62).

222

(VETERINARY SCIENCE AND HYGIENE)

2296

Health and humane care of animals (Shipping and transportation of U.S. livestock overseas, inspection and quarantine, mostly sheep).
Waters, H. Mitchell, D.; Prichard, W.; Murray, G.; Senda, E.; Roscoe, L.; Bailey, W. (s.l. : s.n., 1982). Proceedings of the first Livestock by Ocean conference : June 23 & 24, 1982, Portland, Oregon / Conference cosponsors U.S. Dept. of Agriculture, Internat'l Transportation Serv. Br., Office of Transportation ... (et al.). p. 61a-87. ill., maps. (NAL Call No.: HD9416.L5 1982).

2297

Health and welfare of animals in modern husbandry systems--Poultry.

Pattison, M. London : British Veterinary Association. In practice. July 1986. v. 8 (4). p. 136-140. ill. Includes references. (NAL Call No.: DNAL SF601.I4).

2298

Hoofed stock: sheep and goats.

Williams, C.S.F. Joliet, Ill. : American Association for Laboratory Animal Science, c1984. Manual for assistant laboratory animal technicians / edited by Walter B. Sapanski, Jr., and John E. Harkness. p. 280-292, 422-423. ill. Includes references. (NAL Call No.: DNAL SF77.M35).

2299

Horse abuse--a growing national problem.

Steward, P.E. Tucson, Az. : KBR Publications. Community animal control. July/Aug 1985. v. 4 (4). p. 14-16. ill. (NAL Call No.: DNAL HV4764.C62).

2300

Horse abuse--a growing national problem.

Steward, P.E. Lawrenceville, N.J. : Veterinary Learning Systems Co. Veterinary technician. Mar 1986. v. 7 (3). p. 140, 144. (NAL Call No.: DNAL SF406.A5).

2301

The horse and its welfare in different states of confinement.

Pinsent, P.J.N. London : BVA Animal Welfare Foundation, 1984? . Priorities in animal welfare : the proceedings of the Animal Welfare Foundation's first symposium, held on 20 November 1984 / edited by Liz Bagnall. p. 67-72. (NAL Call No.: DNAL HV4704.A54 1984).

2302

Horses, ponies suffer, too. How can you help?.
Reed, D. Washington, D.C. : National Humane Education Center. Shelter sense. June/July 1987. v. 10 (4). p. 1-2, 11-14. ill. (NAL Call No.: DNAL HV4701.S43).

2303

Horses suffer, too.

Smalley, A. Washington, D.C. : The Humane Society of the United States. The Humane Society of the United States News. Spring 1988. v. 33 (2). p. 13-15. ill. (NAL Call No.: DNAL HV4702.H85).

2304

Horses suffer, too.

Smalley, A. Washington, D.C. : The Humane Society of the United States. The Humane Society of the United States News. Spring 1988. v. 33 (2). p. 13-15. ill. (NAL Call No.: DNAL HV4702.H85).

2305

Immunity changes in confined animals: a route to disease? (Swine, housing, diseases).

Kelley, K.W. Mertsching, H.J.; Salmon, H. Paris : Dept. de pathologie animale de l'Institut national de la recherche agronomique. Annales de recherches vétérinaires = Annals of veterinary research. 1984. Paper presented at the "CEC Workshop on Welfare of Confined Sows," May 26-27, 1983, Rennes, France. v. 15 (2). p. 201-204. Includes references. (NAL Call No.: SF602.A5).

2306

Improving the life of farm livestock: a Canadian point of view.

Tennesen, T. Amsterdam : Elsevier Science Publishers, B.V. Applied animal behaviour science. Paper presented at the "Symposium on Animal Bio-ethics and Applied Ethology," August 1987, Montreal, Canada. July 1988. v. 20 (1/2). p. 159-163. Includes references. (NAL Call No.: DNAL QL750.A6).

2307

Indicators for the determination of the appropriateness of animal housing systems from a welfare perspective.

Gloor, P. Witzenhausen : Verlagsgruppe Witzenhausen, c1986. The importance of biological agriculture in a world of diminishing resources : proc of the 5th IFOAM Int Scientific Conference at the Univ of Kassel (Germany), Aug 27-30, 1984 / H. Vogtmann, E. Boehncke, I. Fricke, eds. p. 369-375. (NAL Call

(VETERINARY SCIENCE AND HYGIENE)

No.: DNAL S605.5.I45 1984).

2308

Indicators relevant to farm animal welfare : a seminar in the CEC Programme of Coordination of Research on Animal Welfare, organized by Dr. D. Smidt, and held in Mariensee, 9-10 November 1982 / edited by D. Smidt. -.

Smidt, D.; (Diedrich) & Farm animal welfare. Boston M. Nijhoff for the Commission of the European Communities Hingham, Mass. Distributors for the U.S. and Canada, Kluwer Boston 1983. "Sponsored by the Commission of the European Communities, Directorate-General for Agriculture, Coordination of Agricultural Research." vii, 251 p. : ill. ; 25 cm. --. Includes bibliographies. (NAL Call No.: SF600.C82 v.23).

2309

Inserting a rumen cannula in sheep to minimize leakage.

CNUNA. Grovum, W.L. Ottawa : Agricultural Institute of Canada. Canadian journal of animal science. June 1988. v. 68 (2). p. 561-563. ill. Includes references. (NAL Call No.: DNAL 41.8 C163).

2310

The involvement of the farm animal veterinarian in animal welfare.

Llewellyn, D.G. Washington, D.C., Institute for the Study of Animal Problems. International journal for the study of animal problems. May/June 1980. v. 1 (3). p. 156-162. (NAL Call No.: HV4701.I49).

2311

It's a swine of a system.

Petersfield Hampshire : Compassion in World Farming. Agscience : news & comments on agriculture and the environment. Mar 1986. (82). p. 3-5. ill. (NAL Call No.: DNAL HV4804.A3A4).

2312

Lamb mortality due to inadequate care of twins by Merino ewes (Maternal behavior, New South Wales, Australia).

Stevens, D. Alexander, G.; Lynch, J.J. Amsterdam, Elsevier. Applied animal ethology. Mar 1982. v. 8 (3). p. 243-252. ill. Includes 1 p. ref. (NAL Call No.: QL750.A6).

2313

Lamb mortality due to inadequate of twins by Merino ewes.

Stevens, D. Alexander, G.; Lynch, J.J. Amsterdam : Elsevier North-Holland. Developments in animal and veterinary sciences. 1985. v. 18. p. 143-152. Includes 15 references. (NAL Call No.: DNAL QL1.D48).

2314

Laying hens.

Sykes, A.H. London : Bailliere Tindall, 1988. Management and welfare of farm animals. p. 197-219. ill. Includes references. (NAL Call No.: DNAL SF61.M35 1988).

2315

Losses due to inheritance and housing as criteria for the welfare of pigs.

Unshelm, J. CTVSD. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1981. Paper presented at the Seminar in the EEC Programme of Coordination of Research on Animal Welfare, Brussels, November 25-26, 1980. v. 11. p. 95-111. ill. Includes references. (NAL Call No.: SF600.C82).

2316

Management of health and welfare in intensive pig husbandry.

Aalund, O. Amsterdam, Elsevier. Animal regulation studies. Oct 1980. v. 3 (1/2). p. 129-132. 1 ref. (NAL Call No.: HV4701.A52).

2317

Markets and calves--the inspecting veterinary surgeon's view.

Blowey, R.W. Cheshire : The Association. British Cattle Veterinary Association proceedings. 1983/1984. p. 225-228. (NAL Call No.: DNAL SF961.B71).

2318

Meat and right: farming as if the animal mattered.

CNVJA. Wester, A.J.F. Ottawa : Canadian Veterinary Medical Association. The Canadian veterinary journal = La Revue veterinaire canadienne. Aug 1987. v. 28 (8). p. 462-465. ill. (NAL Call No.: DNAL 41.8 R3224).

(VETERINARY SCIENCE AND HYGIENE)

2319

Methods of euthanasia poultry and food-producing animals.

Trapp, A.L. Taylor, R.F. Philadelphia, Pa. : W.B. Saunders Company. The Veterinary clinic of North America : food animal practice. In the series analytic: Necropsy techniques / edited by J.J. Andrews. Mar 1986. v. 2 (1). p. 31-41. Includes references. (NAL Call No.: DNAL SF601.V535).

Includes references. (NAL Call No.: SF600.C82).

2320

Minimum spatial requirements for individual farm animals during transportation.

Fraser, A.F. Fort Washington, Md. : The Animal Air Transportation Association. Proceedings of the ... International Conference of the Animal Air Transportation Association. Apr 28/May 1, 1986. (12th). p. 61-62. (NAL Call No.: DNAL TL720.7.A5).

2325

New Zealand condemns sheep to suffering & painful death.

Long, C. Petersfield Hampshire : Compassion in World Farming. Agscience : news & comments on agriculture and the environment. Nov 1985. (81). p. 2-3. ill. (NAL Call No.: DNAL HV4804.A3A4).

2321

Moral, social and scientific aspects of the use of swine in research.

Rollin, B.E. New York : Plenum Press, c1986. Swine in biomedical research / edited by M.E. Tumbleson. Proceedings of a conference on Swine in Biomedical Research, June 17-20, 1985, Columbia, Missouri. Literature review. p. 29-37. Includes references. (NAL Call No.: DNAL RB125.C68 1985).

2326

New Zealand lifts long-standing ban on death ships.

Washington, D.C. : The Institute. The Animal Welfare Institute quarterly. Summer 1986. v. 35 (2). p. 4. ill. (NAL Call No.: DNAL HV4761.A5).

2322

The need for field studies to evaluate welfare situations (Farm animals, health, environment).

Ewbank, R. Basel, Birkhauser Verlag. Tierhaltung. 1981. v. 11. p. 47-53. Includes 14 ref. (NAL Call No.: SF105.T5).

2327

No need to be boxed in: group pens and grain for veal calves.

Mosner, M.S. Washington, D.C. : Institute for the Study of Animal Problems. International journal for the study of animal problems. July/Sept 1982. v. 3 (3). p. 207-210. (NAL Call No.: DNAL HV4701.I49).

2323

Needless deaths--a disturbing look at equine mortality losses by the claims manager of the nation's largest livestock insurance company.

Barkley, J.E. Tucson, Az. : KBR Publications. Community animal control. Sept/Oct 1985. v. 4 (5). p. 12-13, 27-28. ill. (NAL Call No.: DNAL HV4764.C62).

2328

The notion of ethological 'need', models of motivation and animal welfare.

ANBEA. Hughes, B.O. Duncan, I.J.H. London : Bailliere Tindall. The increasingly widespread use of the term ethological 'need', implying that the welfare of animals in intensive husbandry systems will suffer if they are unable to express a normal range of behaviour patterns, has been criticized on the grounds that the term has not been clearly defined nor does it rest on a solid scientific foundation. In this critical review, evidence is presented which is consistent with the idea that there are cases in which the performance of behaviour itself does not motivationally significant consequences which are not necessarily related to functional requirements. For example, hens go through nest-building sequences during pre-laying behaviour, even though the nest they created previously is still available. This kind of finding is difficult to explain without involving the concept of ethological 'need'. Existing models of motivation are shown to be inadequate in explaining much of the behaviour seen in barren or impoverished environments, or when the animals are highly motivated in situations where consummatory behaviour is difficult to carry out. A modified model which can account for the occurrence of these stereotyped, abnormal and repetitive behaviour patterns is presented. The problems raised by equating the term 'need' with 'necessity' are discussed, particularly in the context of intensive environments where animals are faced

2324

Neuroendocrine strategies for assessing welfare: application to calf management systems.

Mormede, P. CTVSD. Bluthe, R.M. : Dantzer, R. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1983. Paper presented at the Seminar on Indicators Relevant to Farm Animal Welfare, Mariensee, 9-10 November 1982. v. 23. p. 39-46. ill.

(VETERINARY SCIENCE AND HYGIENE)

with the task of occupying long periods of time with a limited range of behaviour patterns; the authors agree with Dawkins that one solution is its replacement by the concept of 'elasticity', but argue that the notion of 'necessity' may need to be broadened. Animal behaviour. Nov/Dec 1988. v. 36 (6). p. 1696-1707. Includes references. (NAL Call No.: DNAL 410 B77).

2329

On-farm animal welfare law in Europe--using the law.

Jackson, W.T. Amsterdam : Elsevier Science Publishers, B.V. Applied animal behaviour science. Paper presented at the "Symposium on Animal Bio-ethics and Applied Ethology," August 1987, Montreal, Canada. July 1988. v. 20 (1/2). p. 165-173. Includes references. (NAL Call No.: DNAL QL750.A6).

2330

Physiology of stress: a behavioral view.

CTVSD. Bohus, B. Koolhaas, J.M.; Nyakas, C.; Steffens, A.B.; Fokkema, D.S.; Scheurink, A.J.W. Dordrecht : Martinus Nijhoff Publishers. Current topics in veterinary medicine and animal science. In the series analytic: Biology of stress in farm animals: an integrative approach / edited by P.R. Wiepkema and P.W.M. van Adrichem. A seminar in the CEC programme of coordination research on animal welfare, April 17-18, 1986, Oosterbeek, Netherlands. 1987. v. 42. p. 57-70. Includes references. (NAL Call No.: DNAL SF600.C82).

2331

Piglet mortality in farrowing pens with or without the Medata Blowaway System.

BOPUDB. Corning, S. Spechter, H.H. Haddington : The Society. BSAP occasional publication : an occasional publication of the British Society of Animal Production. In the series analytic: Pig housing and the environment / edited by A.T. Smith and T.L.J. Lawrence. Proceedings of a Symposium, October 1986, Kenilworth, Scotland. 1987. (11). p. 127-128. (NAL Call No.: DNAL SF5.B74).

2332

Pigs.

Lean, I.J. London : Bailliere Tindall, 1988. Management and welfare of farm animals. p. 143-173. illl. Includes references. (NAL Call No.: DNAL SF61.M35 1988).

2333

Pigs and straw.

Sainsbury, D.W.B. Cambridge : The Society. Proceedings - The Pig Veterinary Society. 1983. v. 10. p. 1-13. (NAL Call No.: DNAL SF971.P5).

2334

The Pit Bull Terrier: should be controlled by law?.

Hoffard, W.H. Tucson, Az. : KBR Publications. Community animal control. Mar/Apr 1984. v. 3 (2). p. 8-10, 20-21. illl. Includes references. (NAL Call No.: DNAL HV4764.C62).

2335

The poultry farmer and animal welfare.

Thomann, W. Amsterdam, Elsevier. Animal regulation studies. Oct 1980. v. 3 (1/2). p. 83-87. 5 ref. (NAL Call No.: HV4701.A52).

2336

Poultry production and welfare.

Sainsbury, D.W.B. Amsterdam, Elsevier. Animal regulation studies. Oct 1980. v. 3 (1/2). p. 43-49. 10 ref. (NAL Call No.: HV4701.A52).

2337

Preferences of domestic hens for cage size and floor types as measured by operant conditioning.

Lagadic, H. Faure, J.M. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. Dec 1987. v. 19 (1/2). p. 147-155. illl. Includes references. (NAL Call No.: DNAL QL750.A6).

2338

Preparation and handling of sheep before and during ship transportation.

Grandin, T. Fort Washington, Md. : The Animal Air Transportation Association. Proceedings of the ... International Conference of the Animal Air Transportation Association. Apr 24/26, 1984. (10th). p. 116-126. illl. Includes references. (NAL Call No.: DNAL TL720.7.A5).

2339

The problem of assessing "well-being" and "suffering" in farm animals (Health, behavior).

Duncan, I.J.H. CTVSD. Dawkins, M.S. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1983. Paper presented at the Seminar on Indicators Relevant to Farm Animal Welfare, Mariensee, 9-10 November 1982. v. 23. p. 13-24. Includes

(VETERINARY SCIENCE AND HYGIENE)

references. (NAL Call No.: SF600.C82).

2340

Production hazards in technically advanced confinement systems for pigs (Intensive housing to the behavioural needs and welfare of stock).
Ludvigsen, J.B. Amsterdam, Elsevier. Animal regulation studies. Oct 1980. v. 3 (1/2). p. 99-103. (NAL Call No.: HV4701.A52).

2341

Production, physiological, and behavioral responses of laying hens in different management environments.

POSCAL. Koeikebeck, K.W. Amoss, M.S. Jr.; Cain, J.R. Champaign, Ill. : Poultry Science Association. Poultry science. Mar 1987. v. 66 (3). p. 397-407. Includes references. (NAL Call No.: DNAL 47.8 AM33P).

2342

Productivity and farm animal welfare.

Fox, M.W. Washington, D.C. : Institute for the Study of Animal Problems. International journal for the study of animal problems. Nov/Dec 1981. v. 2 (6). p. 283-284. Includes references. (NAL Call No.: DNAL HV4701.I49).

2343

Prospects for battery hens here and abroad.

Washington, D.C. : The Institute. The Animal Welfare Institute quarterly. Spring 1983. v. 32 (2). p. 8. ill. (NAL Call No.: DNAL HV4761.A5).

2344

Reducing equine hauling stress.

Cregier, S.E. Darmstadt : Kuratorium fur Technik und Bauwesen in der Landwirtschaft, 1984? . Proceedings of the International Congress on Applied Ethology in Farm Animals, Kiel, 1984 / edited by J. Unshelm, G. van Putten and K. Zeeb ; sponsored by the Federal Ministry of Food, Agriculture and Forestry. p. 175-178. ill. Includes references. (NAL Call No.: DNAL SF756.7.I5 1984).

2345

Reducing stress during transportation of farm animals.

King, G. Davie, Fla. : The Association, 1978. Animal air transportation, a global industry : proceedings of the fourth annual International Meeting, Animal Air Transportation Association, November 6-9, 1978 Toronto, Ontario, Canada. / edited by A. Ann McWilliam. p. 38-41. (NAL Call No.: DNAL TL720.7.A5 1978).

2346

The relevance of models of motivation and learning to animal welfare.

CTVSD. Toates, F. Dordrecht : Martinus Nijhoff Publishers. Current topics in veterinary medicine and animal science. In the series analytic: Biology of stress in farm animals: an integrative approach / edited by P.R. Wiepkema and P.W.M. van Adrichem. A seminar in the CEC programme of coordination research on animal welfare, April 17-18, 1986, Dosterbeek, Netherlands. Literature review. 1987. v. 42. p. 153-186. Includes references. (NAL Call No.: DNAL SF600.C82).

2347

Relevance of some behavioural criteria concerning the sow (motor activity and water intake) in intensive pig farming and veterinary practice.

ARCVB. Madec, F. Cariolet, R.; Dantzer, R. Paris : Un Periodique de L'institut national de la recherche agronomique. Annales de recherches vétérinaires = Annals of veterinary research. 1986. v. 17 (2). p. 177-184. Includes references. (NAL Call No.: DNAL SF602.A5).

2348

Response of sheep to short term restraint by electro-immobilisation.

AUVA. Baxter, J.R. Brunswick, Victoria : Australian Veterinary Association. Australian veterinary journal. June 1987. v. 64 (6). p. 195. Includes references. (NAL Call No.: DNAL 41.8 AU72).

2349

Responses of tranquilized post-partum ewes to alien lambs (Behavior).

Tomlinson, K.A. Price, E.O.; Torell, D.T. Amsterdam, Elsevier. Applied animal ethology. Jan 1982. v. 8 (1/2). p. 109-117. Includes 11 ref. (NAL Call No.: QL750.A6).

2350

Restraint.

Caudle, A.B. Pugh, D.G. Philadelphia : W.B. Saunders. The Veterinary clinics of North America : equine practice. In the series analytic: Behavior / edited by S.L. Crowell-Davis and K.A. Houp. Dec 1986. v. 2 (3). p. 645-651. Includes references. (NAL Call No.: DNAL SF951.V47).

(VETERINARY SCIENCE AND HYGIENE)

2351

Results of a methodical approach with regard to external lesions of sows as an indicator of animal well-being (Pathological severity).
Koning, R. deCTVSD. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1983. Paper presented at the Seminar on Indicators Relevant to Farm Animal Welfare, Mariensee, 9-10 November 1982. v. 23. p. 155-162. ill. Includes references. (NAL Call No.: SF600.C82).

2352

A review of current poultry feeding systems and their potential acceptability to animal welfarists.

WPSJA. Karunajeewa, H. Aylesbury : World's Poultry Science Association. World's poultry science journal. Literature review. Feb 1987. v. 43 (1). p. 20-32. Includes references. (NAL Call No.: DNAL 47.8 W89).

2353

Role of applied ethology in international work on farm animal welfare.

Simonsen, H.B. London, British Veterinary Association. The Veterinary record. Oct 9, 1982. v. 111 (15). p. 341-342. 6 ref. (NAL Call No.: 41.8 V641).

2354

The role of human-animal bonds in farm animals and welfare issues.

Kilgour, R. Minneapolis, Minn. : Cent to Study Human-Animal Relat and Environ, Univ of Minnesota, 1984. The Pet connection : its influence on our health and quality of life / editors, Robert K. Anderson, Benjamin L. Hart, Lynette A. Hart. Paper presented at Proceedings of "Conference on the Human-Animal Bond," June 13-14, 1983, University of Minnesota, and June 17-18, 1983, University of California-Irvine.~ Literature review. p. 58-74. Includes references. (NAL Call No.: DNAL SF411.5.P47).

2355

Rulemaking process on sored horses enlightening for this farrier.

Luikart, R. Maynard, Mass. : Laux Company. American farriers' journal. Sept/Oct 1988. v. 14 (5). p. 8-9. (NAL Call No.: DNAL SF907.A5).

2356

Running lame.

Praded, J. Boston, Mass. : Massachusetts Society for the Prevention of Cruelty to Animals. Animals. May/June 1986. v. 119 (3). p. 25-28. ill. (NAL Call No.: DNAL 48.8 OU7).

2357

The scientific assessment of animal welfare.
Broom, D.M. Amsterdam : Elsevier Science Publishers, B.V. Applied animal behaviour science. Paper presented at the "Symposium on Animal Bio-ethics and Applied Ethology," August 1987, Montreal, Canada. July 1988. v. 20 (1/2). p. 5-19. Includes references. (NAL Call No.: DNAL QL750.A6).

2358

Sheep and cattle handling facilities.

Hutson, G.D. Indooroopilly, QLD : Australian Veterinary Association (Queensland Division), 1985 . Grazing Animal Welfare Symposium : proceedings of a symposium held at the Bardon Professional Development Centre, Brisbane, on April 26th and 27th, 1985 / editors: Brian L. Moore and Peter J. Chenoweth . p. 124-136. ill. Includes references. (NAL Call No.: DNAL SF85.4.A9G72 1985).

2359

Significance of physiological criteria in assessing animal welfare.

Dantzer, R. CTVSD. Mornede, P.; Henry, J.P. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1983. Paper presented at the Seminar on Indicators Relevant to Farm Animal Welfare, Mariensee, 9-10 November 1982. v. 23. p. 29-37. Includes references. (NAL Call No.: SF600.C82).

2360

Significance of production performance traits as indicators of animal welfare (Piglets, mortality, housing).

Bienfait, J.M. CTVSD. Nicks, B.; Eenaeme, C. van. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1983. Paper presented at the Seminar on Indicators Relevant to Farm Animal Welfare, Mariensee, 9-10 November 1982. v. 23. p. 167-182. Includes references. (NAL Call No.: SF600.C82).

(VETERINARY SCIENCE AND HYGIENE)

2361

Some aspects of sow health and housing.
Ekesbo, I. CTVSD. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1981. Paper presented at the Seminar in the EEC Programme of Coordination of Research on Animal Welfare, Brussels, November 25-26, 1980. v. 11. p. 250-266. Includes references. (NAL Call No.: SF600.C82).

2362

Some indicators of welfare of crated veal calves on three dietary iron regimens.
JANSAG. McFarlane, J.M. Morris, G.L.; Curtis, S.E.; Simon, J.; McGlone, J.J. Champaign, Ill. : American Society of Animal Science. Journal of animal science. Feb 1988. v. 66 (2). p. 317-325. Includes references. (NAL Call No.: DNAL 49 J82).

2363

Stereotype behaviour in sows and gilts housed in stalls, tethers, and groups.
Blackshaw, J.K. McVeigh, J.F. Boston : Martinus Nijhoff Publishers. Advances in animal welfare science. 1984 (pub. 1985). p. 163-174. Includes references. (NAL Call No.: DNAL HV4701.A34).

2364

Stress and the domestic fowl: physiological fact or fantasy?
WPSJA. Freeman, B.M. Aylesbury : World's Poultry Science Association. World's poultry science journal. Literature review. Feb 1985. v. 41 (1). p. 45-51. Includes references. (NAL Call No.: DNAL 47.8 W89).

2365

Stress in swine 1979-August 1988.
Swanson, J.C. Larson, J. Beltsville, Md. : The Library. Quick bibliography series - U.S. Department of Agriculture, National Agricultural Library (U.S.). Bibliography. Nov 1988. (89-09). 36 p. (NAL Call No.: DNAL aZ5071.N3).

2366

Stress responses in lambs docked and castrated surgically or by the application of rubber rings.
AUVJA. Shutt, D.A. Fell, L.R.; Connell, R.; Bell, A.K. Brunswick, Victoria : Australian Veterinary Association. Australian veterinary journal. Jan 1988. v. 65 (1). p. 5-7. Includes references. (NAL Call No.: DNAL 41.8 AU72).

2367

Suffering of millions of sheep on floating death ships from Australia and New Zealand continues; protests needed for ban on shipments.
Clarks Summit, Pa. : The Society. International Society for Animal Rights report. Sept 1986. p. 1. ill. (NAL Call No.: DNAL HV4701 I57).

2368

Treatment of aggression in horses (Equine practice, behavior).
Houpt, K.A. Santa Barbara, Calif. : Veterinary Practice Pub. Co. Equine practice. June, 1984. v. 6 (6). p. 8-10. Includes references. (NAL Call No.: SF951.E62).

2369

Trimming the incisor teeth of sheep: another view.
VETRAX. Denholm, L.J. Vizard, A.L. London : British Veterinary Association. The Veterinary record. Aug 23, 1986. v. 119 (8). p. 182-184. Includes references. (NAL Call No.: DNAL 41.8 V641).

2370

Turkey slaughtering procedures: time to loss of brain responsiveness after exsanguination or cardiac arrest.
RVTS. Gregory, N.G. Wotton, S.B. London : British Veterinary Association. Research in veterinary science. Mar 1988. 44 (2). p. 183-185. Includes references. (NAL Call No.: DNAL 41.8 R312).

2371

Turning and walking by gilts in modified gestation crates.
JANSAG. McFarlane, J.M. Boe, K.E.; Curtis, S.E. Champaign, Ill. : American Society of Animal Science. Journal of animal science. Feb 1988. v. 66 (2). p. 326-333. ill. Includes references. (NAL Call No.: DNAL 49 J82).

2372

UK Agriculture Committee welfare recommendations.
Washington, D.C. : Institute for the Study of Animal Problems. International journal for the study of animal problems. Nov/Dec 1981. v. 2 (6). p. 338-339. (NAL Call No.: DNAL HV4701.I49).

(VETERINARY SCIENCE AND HYGIENE)

2373

Use of animal behavior as a guide to the stress and welfare of caged birds.
Kuenzel, W.J. College Park : The Conference. Proceedings - Maryland Nutrition Conference for Feed Manufacturers. 1982. p. 75-79. ill. Includes references. (NAL Call No.: DNAL 389.9 UN342).

2374

The use of large animals in teaching.
Shires, G.M.H. Blacksburg, Va. : The Association of American Veterinary Medical Colleges. Journal of veterinary medical education. Fall 1986. v. 13 (1). p. 7-8. Includes references. (NAL Call No.: DNAL SF601.J62).

2375

The veterinarian and farm animal welfare.
Fox, M.W. Santa Barbara, Calif., American Veterinary Publications. Modern veterinary practice. Apr 1980. v. 61 (4). p. 293-294. (NAL Call No.: 41.8 N812).

2376

The veterinary relevance of farm animal ethology.
VETRAX. Broom, D.M. London : British Veterinary Association. The Veterinary record. Oct 24, 1987. v. 121 (17). p. 400-402. Includes references. (NAL Call No.: DNAL 41.8 V641).

2377

A visit to 15,000 contented hens.
Stevens, C. Washington, D.C. : The Institute. The Animal Welfare Institute quarterly. Fall 1983. v. 32 (3). p. 6-7. ill. (NAL Call No.: DNAL HV4761.A5).

2378

Welfare and productivity (Farm animals).
Bareham, J.R. Vestergaard, K. Basel, Birkhauser Verlag. Tierhaltung. 1981. v. 11. p. 11-29. Includes 7 p. ref. (NAL Call No.: SF105.T5).

2379

The welfare during transport of broilers, old hens and replacement pullets.
Swarbrick, D. London : BVA Animal Welfare Foundation, 1986? . The proceedings of the Animal Welfare Foundation's Third Symposium : entitled The welfare of animals in transit, held on 19 November 1986 / edited by T.E. Gibson ; assist editor, D.A. Paterson ; secretary, Gill McConville. p. 65-68. Includes references. (NAL Call No.: DNAL HV4704.A54 1986).

secretary, Gill McConville. p. 82-97. Includes references. (NAL Call No.: DNAL HV4704.A54 1986).

2380

Welfare in veal calf units (Housing system, behavior).
Putten, G. van. London, British Veterinary Association. The Veterinary record. Nov 6, 1982. v. 111 (19). p. 437-440. 16 ref. (NAL Call No.: 41.8 V641).

2381

Welfare of farm animals.
Hurnik, J.F. Amsterdam : Elsevier Science Publishers, B.V. Applied animal behaviour science. Paper presented at the "Symposium on Animal Bio-ethics and Applied Ethology," August 1987, Montreal, Canada. July 1988. v. 20 (1/2). p. 105-117. Includes references. (NAL Call No.: DNAL QL750.A6).

2382

The Welfare of pigs : a seminar in the EEC programme of coordination of research on animal welfare held in Brussels, November 25-26, 1980 / sponsored by the Commission of the European Communities, Directorate-General for Agriculture, Coordination of Agricultural Research ; edited by W. Sybesma. -.
Sybesma, W. The Hague Boston Martinus Nijhoff for the Commission of the European Communities Hingham, Mass. Distributors for the United States and Canada, Kluwer Boston 1981. ix, 334 p. : ill. ; 25 cm. --. Includes bibliographies. (NAL Call No.: SF600.C82 v.11).

2383

The welfare of pigs in transit.
Bateson, A. London : BVA Animal Welfare Foundation, 1986? . The proceedings of the Animal Welfare Foundation's Third Symposium : entitled The welfare of animals in transit, held on 19 November 1986 / edited by T.E. Gibson ; assist editor, D.A. Paterson ; secretary, Gill McConville. p. 65-68. Includes references. (NAL Call No.: DNAL HV4704.A54 1986).

2384

Welfare problems in calf transportation.
Ewbank, R. London : BVA Animal Welfare Foundation, 1986? . The proceedings of the Animal Welfare Foundation's Third Symposium : entitled The welfare of animals in transit, held on 19 November 1986 / edited by T.E. Gibson ; assist editor, D.A. Paterson ; secretary, Gill McConville. p. 51-59. ill., maps. Includes references. (NAL Call No.: DNAL

230

(VETERINARY SCIENCE AND HYGIENE)

HV4704.A54 1986).

2385

Welfare problems relevant to the transport of horses.

Baskerville, R.E. London : BVA Animal Welfare Foundation, 1986? . The proceedings of the Animal Welfare Foundation's Third Symposium : entitled The welfare of animals in transit, held on 19 November 1986 / edited by T.E. Gibson ; assist editor, D.A. Paterson ; secretary, Gill McConville. p. 69-73. (NAL Call No.: DNAL HV4704.A54 1986).

2386

Welfare problems relevant to the transport of sheep.

Lewis, C.J. London : BVA Animal Welfare Foundation, 1986? . The proceedings of the Animal Welfare Foundation's Third Symposium : entitled The welfare of animals in transit, held on 19 November 1986 / edited by T.E. Gibson ; assist editor, D.A. Paterson ; secretary, Gill McConville. p. 60-64. (NAL Call No.: DNAL HV4704.A54 1986).

2387

Adjusted housing forms for laying hens (Battery cages, health, humane treatment, poultry, Netherlands). Dutch.

Kuit, A.R. BDWKA. Den Haag : Ministerie van Landbouw en Visserij. Bedrijfsontwikkeling. Jan 1983. v. 14 (1). p. 30-32. ill. (NAL Call No.: S11.B43).

2388

Advisory work in the Dutch poultry, swine and cattle industry in the years ahead (Livestock health and welfare, Netherlands). Dutch.

Curfs, P.F. BDWKA. Den Haag : Ministerie van Landbouw en Visserij. Bedrijfsontwikkeling. Apr 1983. v. 14 (4). p. 279-281. (NAL Call No.: S11.B43).

2389

Animal health and clinical parameters as evidence for valuation of animal welfare in the poultry flocks.

Loiliger, H.C. Hagen, D. von dem.; Matthes, S. Stuttgart, Eugen Ulmer. Archiv fur Geflugelkunde. = European poultry science. = Revue de science avicole europeenne. Dec 1980. v. 44 (6). p. 229-236. 9 ref. (NAL Call No.: 47.8 AR2).

2390

Behavior problems (vices) in swine fattening. ITALIAN.

Ballarini, G. Bologna, Edagricole. Rivista di suinicoltura. Dec 1979. v. 20 (12). p. 31-34. ill. 20 ref. (NAL Call No.: 46.8 SU3).

2391

Comparative investigations into the well-being of fattening pigs. Dutch.

TIDIA. Ruiterkamp, W.A. Utrecht : Nederlandse Maatschappij voor Diergeneeskunde. Tijdschrift voor diergeneeskunde. June 1, 1986. v. 111 (11). p. 520-528. Includes 20 references. (NAL Call No.: DNAL 41.8 T431).

2392

Effect of behaviour on colostral immunity acquisition in sucking calves.

Tshibangu, M.L. Chauvaux, G.; Fumiere, I.; Lomba, F.; Bienfet, V. Bruxelles, Personnel enseignant et scientifique de la faculte de medecine veterinaire, Universite de Liege. Annales de medecine veterinaire. 1980. v. 124 (5). p. 361-368. Bibliography p. 367-368. (NAL Call No.: 41.8 AN78).

2393

Evaluation of milk sucking and tongue rolling on the basis of a questionnaire inquiry among 24 problem dairy herds. Danish.

DAVED. Simonsen, H.B. Kobenhavn : Danske Dyrlaegeforening. Dansk veterinaertidsskrift. Aug 1, 1983. v. 66 (15). p. 669-671. ill. Includes 5 references. (NAL Call No.: DNAL 41.9 D23).

2394

Factors influencing the hygienic behavior of pigs. HUNGARIAN.

Wittmann, M. Papp, J. Budapest, Hirlandia Vallalat. Allattenyesztes. = Animal breeding. 1979. v. 28 (1). p. 53-62. ill. 4 ref. (NAL Call No.: 49 AL57).

2395

First impression of the influence of light on the welfare of swine for slaughter (Health, housing, Netherlands). Dutch.

Putten, G. van. Elshof, W.J. Den Haag : Ministerie van Landbouw en Visserij. Bedrijfsontwikkeling. Feb 1983. v. 14 (2). p. 139-142. (NAL Call No.: S11.B43).

(VETERINARY SCIENCE AND HYGIENE)

2396

Health and behavior of early weaned piglets kept in cages (Includes traumatic injuries). Algers, B. Stockholm, Sveriges veterinärforbund. Svensk veterinartidning. Feb 1981. v. 33 (3). p. 44-52. ill. 14 ref. (NAL Call No.: 41.9 SV23).

2397

Humane anesthetization prior to slaughtering of pigs. GERMAN. Wernberg, N.E. Frankfurt am Main, Sponholz. Fleischwirtschaft. Dec 1979. v. 59 (12). p. 1804-1807. Bibliography p. 1807. (NAL Call No.: 280.38 F62).

2398

Humane rearing systems for poultry. German. Petersen, J. Bonn, W. Ger. : Der Fakultat. Vortrage - Hochschultagung der Landwirtschaftlichen Fakultat der Universitat Bonn. 1983. (36th). p. 73-78. Includes 8 references. (NAL Call No.: DNAL 27 H652).

2399

Humane rearing techniques in swine production. German. Finke, K. Bonn, W. Ger. : Der Fakultat. Vortrage - Hochschultagung der Landwirtschaftlichen Fakultat der Universitat Bonn. 1983. (36th). p. 61-71. ill. Includes 16 references. (NAL Call No.: DNAL 27 H652).

2400

Influence of ACTH and adrenaline on the nutritive behavior and vegetative functions of sheep. RUSSIAN. P'ianov, V.D. Butrova, G.A. Borovsk, Institut. Biulleten' Vsesoiuznogo nauchno-issledovatel'skogo instituta fiziologii, biokhimii i pitaniia sel'skokhoziaistvennykh zhivotnykh. Vsesoiuznyi nauchno-issledovatel'skiy institut fiziologii, biokhimii i pitaniia sel'skokhoziaistvennykh zhivotnykh. 1979. 1979. (4). p. 6-10. 111. 7 ref. (NAL Call No.: SF604.V7).

2401

Influence of supplying conditions on the sanitary behavior of calves. Blood cellular and biochemical changes in stressed calves. French. Morisse, J.P. Maisons-Alfort, France, Ecole nationale veterinaire, Alfort. Recueil de medecine veterinaire. Mar 1982. v. 158 (3). p. 307-314. 11 ref. (NAL Call No.: 41.8 R24).

2402

Investigation on the effect of feeding process on animal welfare in the calf. 2. Biochemical and health consequences of hydric and energizing feeding in sorting centers. French. Morisse, J.P. RMVEA. Maisons-Alfort : Ecole nationale veterinaire, Alfort. Recueil de medecine veterinaire. 1983. v. 159 (4). p. 409-417. ill. Includes references. (NAL Call No.: 41.8 R24).

2403

Observation of some essential behavior patterns of laying hens kept in battery cages with a different floor area by video recording technique. German.

Tebbe, Verena, 1950-. Munchen : s.n., 1984. English summary.~ Includes vita. 104 p. : ill. ; 21 cm. --. Bibliography: p. 86-103. (NAL Call No.: DNAL 41.2 M9222 1984 no.130).

2404

Pathological indicators relative to animal welfare of sows in modern housing systems. German.

Berner, H. Stuttgart, W. Ger. : F. K. Schattauer Verlag. Tierarztliche Praxis. 1986. v. 14 (1). p. 67-78. ill. Includes 13 references. (NAL Call No.: DNAL SF603.V4).

2405

Rearing method and sucking behavior in cattle (Behavioral disturbance, cows, udder sucking, Netherlands). Dutch.

Geer, D. van deBDWKA. Grommers, F.J. Den Haag : Ministerie van Landbouw en Visserij. Bedrijfsontwikkeling. May 1983. v. 14 (5). p. 387-388. (NAL Call No.: S11.B43).

2406

Research methods in ethological observation on young pigs and piglets. German.

Bergenthal-Menzel-Severing, Ursula. Bonn : s.n., 1983. 237 p. : ill. ; 21 cm. --. Bibliography: p. 182-204. (NAL Call No.: DNAL SF395.B4).

2407

Studies of the social behavior of domesticated fowl in a free care system and aviary care system. German.

Bolter, Ulrike, 1955-. Giessen : s.n., 1987. English summary.~ Includes vita. 132 p. : ill. ; 21 cm. Bibliography: p. 121-130. (NAL Call No.: DNAL 41.2 G3642 1987 no.13).

(VETERINARY SCIENCE AND HYGIENE)

2408

Sucking behavior and early immune protection in the mother-cow rearing. German.
Schmidt, F.W. Hildesheim, W. Ger. : Arbeitsgemeinschaft Deutscher Tierzüchter. Der Tierzüchter. May 1984. v. 36 (5). p. 204-206. ill. (NAL Call No.: 49 T445).

2409

Watching over the veterinary-hygienic welfare of farms (with special reference to sheep, USSR). Kas'ianov, F.I. Volkov, G.K. Moskva, "Kolos". Ovtsevodstvo. July 1980. July 1980. (7). p. 38-40. (NAL Call No.: 45.8 DV72).

2410

Welfare-improving housing systems for weaned piglets (Costs, health, humane treatment, Netherlands). Dutch.
Bure, R.G.BDWKA. Den Haag : Ministerie van Landbouw en Visserij. Bedrijfsontwikkeling. Jan 1983. v. 14 (1). p. 36-38. ill. (NAL Call No.: S11.B43).

2411

Welfare of breeding sows in different housing systems (Health, humane treatment, Netherlands). Dutch.
Koning, R.BDWKA. Den Haag : Ministerie van Landbouw en Visserij. Bedrijfsontwikkeling. Jan 1983. v. 14 (1). p. 38-40. (NAL Call No.: S11.B43).

2412

Welfare of pregnant sows in the practice (Health, housing). Dutch.
Koning, R. de. Den Haag : Ministerie van Landbouw en Visserij. Bedrijfsontwikkeling. Feb 1983. v. 14 (2). p. 137-139. (NAL Call No.: S11.B43).

VETERINARY PHARMACOLOGY, TOXICOLOGY AND IMMUNE THERAPEUTIC AGENTS

2413

Changes in serum cortisol reveal functional differences in frustration-induced chain chewing in pigs.

PHBHA. Dantzer, R. Gonyou, H.W.; Curtis, S.E.; Kelley, K.W. Elmsford, N.Y. : Pergamon Press. Physiology & behavior. 1987. v. 39 (6). p. 775-777. Includes references. (NAL Call No.: DNAL QP1.P4).

2414

Corticosteroids in welfare research of laying hens (Stress).

Beuving, G. CTVSD. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1983. Paper presented at the Seminar on Indicators Relevant to Farm Animal Welfare, Mariensee, 9-10 November 1982. v. 23. p. 47-53. Includes references. (NAL Call No.: SF600.C82).

2415

Dopaminergic and cholinergic influences on motor behavior in chickens.

Sanberg, P.R. Washington, D.C. : American Psychological Association. Journal of comparative psychology. Mar 1983. v. 97 (1). p. 59-68. Includes references. (NAL Call No.: BF671.J6).

2416

Dose related effects of the kappa agonist U-50, 488H on behaviour, nociception and autonomic response in the horse.

EQVJA. Kamerling, S. Weckman, T.; Donahoe, J.; Tobin, T. London : British Equine Veterinary Association. Equine veterinary journal. Mar 1988. v. 20 (2). p. 114-118. Includes references. (NAL Call No.: DNAL SF955.E6).

2417

Drinking: the behavioral sequelae of diuretic treatment.

Houpt, K.A. Santa Barbara, Calif. : Veterinary Practice Pub. Co. Equine practice. Oct 1987. v. 9 (9). p. 15-16. Includes references. (NAL Call No.: DNAL SF951.E62).

2418

Early-weaning and central nervous system pharmacology in piglets.

JVPTD. Bowden, H.C. Sharman, D.F.; Stephens, D.B. Oxford : Blackwell Scientific Publications. Journal of veterinary pharmacology and therapeutics. Dec 1987. v. 10 (4). p. 346-348. Includes references. (NAL Call No.: DNAL SF915.J63).

2419

Economic and animal welfare considerations of early castration and utilization of Ralgro implants (Suckling calves).

Cain, M.F. St. Paul, Minn. : The Institute. Official proceedings : annual meeting - Livestock Conservation Institute. 1983. 1983. p. 56-68. illl. Includes references. (NAL Call No.: 280.3409 L75A).

2420

The effect of azaperone on the agonistic behaviour of boars: a pilot study.

CNVJA. Pascoe, P.J. Ottawa : VETCAN, Inc. The Canadian veterinary journal = La Revue veterinaire canadienne. July 1986. v. 27 (7). p. 272-277. Includes references. (NAL Call No.: DNAL 41.8 R3224).

2421

Effect of glucocorticoid, insulin and glucose treatment on muscle glycogen content in stressed young bulls.

Tarrant, P.V. Lacourt, A. London : Bailliere Tindall. British veterinary journal. July/Aug 1984. v. 140 (4). p. 337-346. illl. Includes references. (NAL Call No.: 41.8 V643).

2422

Effect of supplemental corticosterone and social stress on organophosphorus-induced delayed neuropathy in chickens.

TOLED5. Ehrlich, M. Gross, W.B. Amsterdam : Elsevier Science Publishers. Toxicology letters. Apr 1986. v. 31 (1). p. 9-13. Includes 15 references. (NAL Call No.: DNAL RA1190.T62).

2423

Influence of amperozide on disease occurrence in a pig fattening unit.

AVSCAT. Rabe, J. Fabiansson, S.; Olsson, N.G. Copenhagen : Danske Dyrlægeforening. Acta veterinaria scandinavica. 1986. v. 27 (1). p. 141-144. Includes references. (NAL Call No.: DNAL 41.8 AC87).

2424

Investigation into the use of narcotic antagonists in the treatment of a stereotypic behavior pattern (crib-biting) in the horse.

AJVRAH. Dodman, N.H. Shuster, L.; Court, M.H.; Dixon, R. Schaumburg, Ill. : American Veterinary Medical Association. American journal of veterinary research. Feb 1987. v. 48 (2). p. 311-319. Includes references. (NAL Call No.: DNAL 41.8 AM3A).

(VETERINARY PHARMACOLOGY, TOXICOLOGY AND IMMUNE THERAPEUTIC AGENTS)

2425

references. (NAL Call No.: DNAL 49 J82).

Methods of euthanasia poultry and food-producing animals.

Trapp, A.L. Taylor, R.F. Philadelphia, Pa. : W.B. Saunders Company. The Veterinary clinic of North America : food animal practice. In the series analytic: Necropsy techniques / edited by J.J. Andrews. Mar 1986. v. 2 (1). p. 31-41. Includes references. (NAL Call No.: DNAL SF601.V535).

2426

Prostaglandin F2-alpha induced nest building behavior in the non-pregnant sow, and some welfare considerations (Questioned justification of the drug in swine husbandry, unpleasant acute effects of the drug, suitability of the drug to induce farrowing).
Blackshaw, J.K. Washington : Institute for the Study of Animal Problems. International journal for the study of animal problems. Oct/Dec 1983. v. 4 (4). p. 299-304. Includes references. (NAL Call No.: HV4701.I49).

2427

Prostaglandin use in mares.
Pugh, D.G. Caudle, A. Atlanta, Ga. : Georgia Veterinary Medical Association. The Georgia veterinarian. Nov/Dec 1985. v. 37 (6). p. 10-12. Includes 13 references. (NAL Call No.: DNAL 41.8 G29).

2428

Tranquilizing range cows to facilitate calf adoption.
Zobell, R.S. Federer, G.D. Denver, Colo. : Society for Range Management. Rangelands. Feb 1986. v. 8 (1). p. 12-13. illl. Includes references. (NAL Call No.: DNAL SF85.A1R32).

2429

Use of a narcotic antagonist (naloxone) to suppress self-mutilative behavior in a stallion.
JAVMA. Dodman, N.H. Shuster, L.; Court, M.H.; Patel, J. Schaumburg, Ill. : The Association. Journal of the American Veterinary Medical Association. June 1, 1988. v. 192 (11). p. 1585-1586. Includes references. (NAL Call No.: DNAL 41.8 AM3).

2430

Weanling pigs under sublethal concentrations of atmospheric carbon monoxide.
JANSAG. Morris, G.L. Curtis, S.E.; Widowski, T.M. Champaign, Ill. : American Society of Animal Science. Journal of animal science. Nov 1985. v. 61 (5). p. 1080-1087. Includes

PESTS OF ANIMALS - GENERAL AND MISC.

2431

Foal killing by stallions (Feral horses, behavior, France).
Duncan, P. Amsterdam : Elsevier. Applied animal ethology. Aug 1982. v. 8 (6). p. 567-570.
Includes references. (NAL Call No.: QL750.A6).

2432

Sheep behavior: a tool for creating target lambs (Coyote control, predators).
Gluesing, E.A. Moscow, Idaho : Forest, Wildlife & Range Experiment Station, University of Idaho, 1982. Proceedings of the Wildlife-Livestock Relationships Symposium : held at Coeur d'Alene, Idaho, April 20-22, 1981 / sponsored by Department of Wildlife Resources, University of Idaho ; (James M. Peek, P.D. Dalke, editors). p. 327-331. 12 ref. (NAL Call No.: SF84.84.W5 1981).

2433

The sheep-killing dog /by V.O. McWhorter.
McWhorter, V. O. 1888-. Washington, D.C. : U.S. Dept. of Agriculture, 1915. Caption title.~ "Contribution from the Bureau of Animal Industry." 13 p. : ill. ; 24 cm. (NAL Call No.: DNAL 1 Ag84F no.652).

2434

The sheep-killing dog /J.F. Wilson.
Wilson, J. F. 1892-. Washington, D.C. : U.S. Dept. of Agriculture, 1918. Cover title.~ Contribution from the Bureau of Animal Industry.~ This bulletin supersedes Farmers' bulletin 652. 32 p. : ill. ; 24 cm. (NAL Call No.: DNAL 1 Ag84F no.935).

PEST OF ANIMALS - INSECTS

2435

Aggregation of the chicken mite, *Dermanyssus gallinae* (Acari: Dermanyssidae).
Entrekin, D.L. JMENA. Oliver, J.H., Jr. Honolulu : Dept. of Entomology, Bishop Museum.
Dermanyssus gallinae, aggregation behavior, thigmokinesis and pheromones are involved, mites are only weakly attracted to synthetic chemicals. Journal of medical entomology. Nov 30, 1982. v. 19 (6). p. 671-678. (NAL Call No.: DNAL 421 J828).

2436

Effect of horn flies on behavior of cattle.
Harvey, T.L. JEENA. Launchbaugh, J.L. College Park : Entomological Society of America.
Haematobia irritans, comparison of activity of yearling steers treated or not treated for fly control, activity caused by presence of flies may account for reduced weight gain attributed to this pest. Journal of economic entomology. Feb 15, 1982. v. 75 (1). p. 25-27. (NAL Call No.: 421 J822).

2437

The face fly, *Musca autumnalis* De Geer, and aggregation behavior in Holstein cows.
VPARD. Schmidtmann, E.T. Amsterdam : Elsevier Science Publishers B.V. Veterinary parasitology. Paper presented at the "Symposium on Insect Pests of Farm Animals," 17th International Congress of Entomology, August 1984, Hamburg, West Germany. Oct 1985. v. 18 (3). p. 203-208. ill. Includes references. (NAL Call No.: DNAL SF810.V4).

2438

Face-fly pest intensity, fly-avoidance behavior (bunching) and grazing time in Holstein heifers (*Musca autumnalis*, New York).
Schmidtmann, E.T. Valla, M.E. Amsterdam : Elsevier. Applied animal ethology. June 1982. v. 8 (5). p. 429-438. ill. Includes references. (NAL Call No.: QL750.A6).

2439

Growth performance and behavioral patterns of pigs infested with sarcoptic mites (Acari: Sarcoptidae).
JEENAI. Wooten-Saadi, E. Broce, A.B.; Stevenson, J.S.; Neissen, J.L. College Park, Md. : Entomological Society of America. Journal of economic entomology. June 1987. v. 80 (3). p. 625-628. Includes references. (NAL Call No.: DNAL 421 J822).

2440

Horse fly harassment and the social behavior of feral ponies.
Rutberg, A.T. Berlin, W. Ger. : Paul Parey. Ethology. June 1987. v. 75 (2). p. 145-154. Includes references. (NAL Call No.: DNAL QL750.E74).

2441

Host-feeding patterns of mosquitoes (Diptera: Culicidae) in a rural village near Cairo, Egypt.

JMENA. Zimmerman, J.H. Abbassy, M.M.; Hanafi, H.A.; Beier, J.C.; Dees, W.H. Lanham, Md. : The Entomological Society of America. Journal of medical entomology. Sept 1988. v. 25 (5). p. 410-412. Includes references. (NAL Call No.: DNAL 421 J828).

2442

Hot tips--dodging the dog days (Horses, summer care, fly control, heat stress).
Gaithersburg, Md., Fleet Street Corporation. Equus. July 1981. July 1981. c(45). p. 33-35. ill. Bibliography p. 35. (NAL Call No.: SF277.E6).

2443

Resistance expressed by hosts to feeding by adult lone star ticks.

Needham, G.R. Jaworski, D.; Pemberton, B.; Muller, M.T. Vero Beach, FL : University of Florida-IFAS, Florida Medical Entomology Laboratory, 1986. Host regulated developmental mechanisms in vector arthropods : proceedings of the Vero Beach symposium, Vero Beach, Florida, February 3-6, 1986 / edited by D. Borovsky and A. Spielman. p. 168-174. Includes references. (NAL Call No.: DNAL RA641.A7H67).

2444

Sheep.

Williams, H.L. London : Bailliere Tindall, 1988. Management and welfare of farm animals. p. 81-124. ill. Includes references. (NAL Call No.: DNAL SF61.M35 1988).

2445

Sheep mulesing and animal lib (Cutting skin sections from lambs to avoid fly and maggot infestation, animal welfare).

Heneson, N. Washington, D.C., Institute for the Study of Animal Problems. International journal for the study of animal problems. July/Aug 1980. v. 1 (4). p. 224-226. (NAL Call No.: HV4701.I49).

PEST OF ANIMALS - HELMINTHS

2446

Hoofed stock: horses.

Stein, S. Kintner, B.A. Joliet, Ill. : American Association for Laboratory Animal Science, c1984. Manual for assistant laboratory animal technicians / edited by Walter B. Sapanski, Jr., and John E. Harkness. p. 310-319, 423-424. ill. Includes references. (NAL Call No.: DNAL SF77.M35).

2447

The importance of stocking rate to the uptake of gastrointestinal nematodes by grazing calves.

Hansen, J.W. Nansen, P.; Foldager, J. The Hague : Martinus Nijhoff. gastrointestinal nematodes, calves, effect of 3 different stocking rates and 2 grazing methods on grass production, grass availability, herbage larval contamination, grazing behavior, herbage intake, fecal egg output, serum pepsinogen levels, and weight gain: Denmark. Current topics in veterinary medicine and animal science. 1981. v. 9. p. 471-496. (NAL Call No.: SF600.C82).

ANIMAL DISEASES - GENERAL

2448

Behavior of sick animals.

Hart, B.L. Philadelphia, Pa. : W.B. Saunders Company. The Veterinary clinic of North America : food animal practice. In the series analytic: Farm animal behavior / edited by E.O. Price.~ Literature review. July 1987. v. 3 (2). p. 383-391. ill. Includes references. (NAL Call No.: DNAL SF601.V535).

2449

Ethology of farm animals a comprehensive study of the behavioural features of the common farm animals /edited by A.F. Fraser.

Fraser, A. F. Amsterdam ; New York : Elsevier ; New York, NY : Distributors for the U.S. and Canada, Elsevier Science Pub. Co., 1985. xvi, 500 p. : ill. ; 30 cm. Includes bibliographies and index. (NAL Call No.: DNAL SF756.7.E8).

2450

Health and welfare of animals in modern husbandry systems--Poultry.

Pattison, M. London : British Veterinary Association. In practice. July 1986. v. 8 (4). p. 136-140. ill. Includes references. (NAL Call No.: DNAL SF601.I4).

2451

Influence of amperozide on disease occurrence in a pig fattening unit.

AVSCA7. Rabe, J. Fabiansson, S.; Olsson, N.G. Copenhagen : Danske Dyrlægeforening. Acta veterinaria scandinavica. 1986. v. 27 (1). p. 141-144. Includes references. (NAL Call No.: DNAL 41.8 AC87).

2452

Sheep.

Williams, H.L. London : Bailliere Tindall, 1988. Management and welfare of farm animals. p. 81-124. ill. Includes references. (NAL Call No.: DNAL SF61.M35 1988).

2453

Water buffalo.

Loypetjra, P. Chaiyabutr, N.; Usanakornkul, S.; Pichaicharnarong, A. Amsterdam : Elsevier, 1987. Bioclimatology and the adaptation of livestock / edited by H.D. Johnson. p. 107-125. Includes references. (NAL Call No.: DNAL SF87.B55).

2454

Behavior of calves with pneumonia or diarrhea in the first 3 months of life. German.

AXVMA. Bunger, U. Kaphengst, P.; Ponge, J.; Kleiner, W.; Schmoldt, P.; Braude, W. Leipzig, E. Ger. : S. Hirzel. Archiv fur experimentelle Veterinarmedizin. 1988. v. 42 (1). p. 135-146. Includes references. (NAL Call No.: DNAL 41.8 EX7).

ANIMAL DISEASES - BACTERIAL

2455

Effect of environmental stress on the responses
of ascorbic-acid-treated chickens to
Escherichia coli challenge infection.
AVDIA. Gross, W.B. Kennett Square, Pa. :
American Association of Avian Pathologists.
Avian diseases. July/Sept 1988. v. 32 (3). p.
432-436. Includes references. (NAL Call No.:
DNAL 41.8 AV5).

2456

Human handling, flock size and responses to an
E. coli challenge in young chickens.
Collins, J.W. Siegel, P.B. Amsterdam : Elsevier
Science Publishers B.V. Applied animal
behaviour science. Dec 1987. v. 19 (1/2). p.
183-188. Includes references. (NAL Call No.:
DNAL QL750.A6).

2457

The practical aspects of calf welfare with
special reference to *Salmonellae*.
Scott. Cheshire : The Association. British
Cattle Veterinary Association proceedings.
1983/1984. p. 115-119. (NAL Call No.: DNAL
SF961.B71).

ANIMAL DISEASES - PHYSIOLOGICAL

2458

The Athene Trust. New report states: "The close confinement of sows causes severe distress". Petersfield Hampshire : Compassion in World Farming. Agscience : news & comments on agriculture and the environment. Dec 1986. (86). p. 4. ill. (NAL Call No.: DNAL HV4804.A3A4).

2459

Behavior of chickens prior to death from sudden death syndrome.

POSCAL. Newberry, R.C. Gardiner, E.E.; Hunt, J.R. Champaign, Ill. : Poultry Science Association. Poultry science. Sept 1987. v. 66 (9). p. 1446-1450. Includes references. (NAL Call No.: DNAL 47.8 AM33P).

2460

Behavioral problems, including vices and cannibalism.

Smith, W.J. Penny, R.H.C. Ames, Iowa : Iowa State University Press, 1986. Diseases of swine / edited by A.D. Leman ... et al. ; with 99 authoritative contributors selected for their recognized leadership in this field. p. 762-772. ill. Includes references. (NAL Call No.: DNAL SF971.D8 1986).

2461

Chronic heat stress and respiratory alkalosis: occurrence and treatment in broiler chicks.

POSCAL. Teeter, R.G. Smith, M.O.; Owens, F.N.; Arp, S.C. Champaign, Ill. : Poultry Science Association. Poultry science. June 1985. v. 64 (6). p. 1060-1064. Includes references. (NAL Call No.: DNAL 47.8 AM33P).

2462

Clinical cold stress in calves: identification, environmental considerations, treatment and prevention.

BOVPB. Anderson, J.F. Bates, D.W. Stillwater : American Association of Bovine Practitioners. The Bovine practitioner. Nov 1984. (19). p. 22-25. Includes 7 references. (NAL Call No.: DNAL SF779.5.A1B6).

2463

Comparison of the stressfulness of harvesting broiler chickens by machine and by hand.

BPOSA. Duncan, I.J.H. Slee, G.S.; Kettlewell, P.; Berry, P.L; Carlisle, A.J. Oxfordshire : Carfax Publishing Company. British poultry science. Mar 1986. v. 27 (1). p. 109-114. ill. Includes references. (NAL Call No.: DNAL 47.8 B77).

2464

The effect of mixing stress on the incidence of osteochondrosis in pigs: scanning electron microscopy.

CNJNA. Walker, B. Aherne, F.X. Ottawa : Agricultural Institute of Canada. Canadian journal of animal science. Sept 1988. v. 68 (3). p. 591-602. ill. Includes references. (NAL Call No.: DNAL 41.8 C163).

2465

The effect of pen design and the tranquilising drug, azaperone, on the growth and behaviour of weaned pigs (Cure of aggressiveness in pigs).

Blackshaw, J.K. Artarmon, N.S.W., Australian Veterinary Association. Australian veterinary journal. June 1981. v. 57 (6). p. 272-276. ill. 13 ref. (NAL Call No.: 41.8 AU72).

2466

The effect of pre-weaning handling and post-weaning mixing on the incidence of osteochondrosis in pigs.

UAAAB. Walker, B. Aherne, F.X. Edmonton : The Faculty. Agriculture & forestry bulletin - Alberta University. Faculty of Extension. Paper presented at the 66th Annual Feeders' Day Report, June 12, 1987, University of Alberta, Canada. 1987. (special issue). p. 20-22. (NAL Call No.: DNAL 101 AL1A).

2467

Effects of chronic stress on some blood parameters in the pig (Behavior).

Barnett, J.L. Hemsworth, P.H.; Hand, A.M. Amsterdam : Elsevier. Applied animal ethology. Jan 1983. v. 9 (3/4). p. 273-277. ill. Includes references. (NAL Call No.: QL750.A6).

2468

Effects of heat and social stressors and within-pen weight variation on young pig performance and agonistic behavior.

JANSAG. McGlone, J.U. Stansbury, W.F.; Tribble, L.F. Champaign, Ill. : American Society of Animal Science. Journal of animal science. Aug 1987. v. 65 (2). p. 456-462. Includes references. (NAL Call No.: DNAL 49 J82).

2469

Medical problems associated with protracted heat and work stress in horses.

Carlson, G.P. Princeton Junction, N.J. : Veterinary Learning Systems. The Compendium on continuing education for the practicing veterinarian. Oct 1985. v. 7 (10). p. S542-S547, S550. Includes 5 references. (NAL Call No.: DNAL SF601.C66).

241

(ANIMAL DISEASES - PHYSIOLOGICAL)

2470

Mineral-deficient diets and the pig's attraction to blood: implications for tail-biting.
CNJNA. Fraser, D. Ottawa : Agricultural Institute of Canada. Canadian journal of animal science. Dec 1987. v. 67 (4). p. 909-918. Includes references. (NAL Call No.: DNAL 41.8 C163).

2471

Observations on headshaking in the horse.
EQVJA. Lane, J.G. Mair, T.S. London : British Equine Veterinary Association. Equine veterinary journal. July 1987. v. 19 (4). p. 331-336. Includes references. (NAL Call No.: DNAL SF955.E6).

2472

Organ change and damage during stress--morphological diagnosis.
CTVSD. Dammrich, K. Dordrecht : Martinus Nijhoff Publishers. Current topics in veterinary medicine and animal science. In the series analytic: Biology of stress in farm animals: an integrative approach / edited by P.R. Wiepkema and P.W.M. van Adrichem. A seminar in the CEC programme of coordination research on animal welfare, April 17-18, 1986, Dosterbeek, Netherlands. 1987. v. 42. p. 71-78. Includes references. (NAL Call No.: DNAL SF600.C82).

2473

Porcine stress syndrome.
Marple, Dennis N. Judge, Max D.; Epley, Richard J.; Schafer, David E.; Heger, William J., Mrs. & Pork industry handbook. 1979. This discusses the genetic factors and tests for porcine stress syndrome, why some are stress-susceptible, the relation to meat quality, and preslaughter handling practices that prevent it. Document available from: Michigan State Univ., Bulletin Office, P.D. Box 231, East Lansing, MI 48824. 1 sheet. (NAL Call No.: Not available at NAL).(NAL Call No.: Extension Bulletin E-1127).

2474

A practical way to handle barren mares using lights in a low-stress environment.
Kaufman, W.C. (s.l.), The Association. Proceedings of the ... annual convention - American Association of Equine Practitioners. Dec 1979 (pub. 1980). Dec 1979 (pub. 1980). (25th). p. 349-350. ill. (NAL Call No.: SF601.A46).

2475

Salivary cortisol and behavioural indicators of stress in sheep.
Fell, L.R. Shutt, D.A. Sydney : Pergamon Press. Proceedings of the Australian Society of Animal Production. 1988. v. 17. p. 186-189. Includes references. (NAL Call No.: DNAL 49.9 AU72).

2476

Stress and the domestic fowl: physiological fact or fantasy?.
WPSJA. Freeman, B.M. Aylesbury : World's Poultry Science Association. World's poultry science journal. Literature review. Feb 1985. v. 41 (1). p. 45-51. Includes references. (NAL Call No.: DNAL 47.8 W89).

2477

The welfare of adult pigs: the effects of five housing treatments on behaviour, plasma corticosteroids and injuries.
Barnett, J.L. Cronin, G.M.; Winfield, C.G.; Dewar, A.M. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. Apr 1984. v. 12 (3). p. 209-232. ill. Includes 33 references. (NAL Call No.: DNAL QL750.A6).

2478

Aggressive behavior of sows during parturition (Cannibalism). HUNGARIAN.
Radnai, Mrs. I. Budapest, Hirlapkiado Vallalat. Kistenyeszto lapja. Apr 1980. v. 24 (4). p. 24-25. (NAL Call No.: SF1.K5).

2479

Behavior and productivity of sows in relation with the steadiness and well balanced state of the nervous processes. Ukrainian.
VSNA. Naumenko, V.V. Shubenko, O.I. Kyiv : Derzh. vid-vo sil'hosn. Visnyk sil's'kohospodars'koi nauky. Oct 1984. (10). p. 62-63. (NAL Call No.: DNAL 20 V82).

2480

Behavior of calves with pneumonia or diarrhea in the first 3 months of life. German.
AXVMA. Bunger, U. Kaphengst, P.; Ponge, J.; Kleiner, W.; Schmoldt, P.; Brade, W. Leipzig, E. Ger. : S. Hirzel. Archiv fur experimentelle Veterinarmedizin. 1988. v. 42 (1). p. 135-146. Includes references. (NAL Call No.: DNAL 41.8 EX7).

(ANIMAL DISEASES - PHYSIOLOGICAL)

2481

Effect of tranquilizers of the function of adrenal glands of swine (Treatment of stress). Russian.
Radchenkov, V.P. Panasenko, V.N.; Golenkovich, E.K.; Ponomareva, M.F. Borovsk : Institut. Biulleten' Vsesoziuznogo nauchno-issledovatel'skogo instituta fiziologii, biokhimii i pitaniiia sel'skokhoziaistvennykh zhivotnykh. 1982. 1982. (4). p. 24-27. Includes 10 references. (NAL Call No.: SF604.V7).

2482

Effects of stress on sexual behavior in sheep (Artificial insemination).
Barbura, T. Bogdan, A.T.; Salantiu, D.; Constantinescu, E.; Timen, S. Cluj-Napoca, (s.n.), 1980. Lucrarile sectiei de ameliorare si tehnologie de crestere la taurina si ovina / (colectiv de redactie Petre Adrian, Velea Constantin ; sef lucr. Morar Roman ; tehnoredactor: Sopa Sorin). Simpozionul "Probleme de Ameliorare, Tehnologie de Crestere si Patologie la Taurina si Ovina")1979 : Cluj-Napoca, Rumania). p. 284-288. (NAL Call No.: SF201.S53).

2483

Health and behavior of early weaned piglets kept in cages (Includes traumatic injuries).
Algers, B. Stockholm, Sveriges veterinärforbund. Svensk veterinartidning. Feb 1981. v. 33 (3). p. 44-52. ill. 14 ref. (NAL Call No.: 41.9 SV23).

2484

Influence of supplying conditions on the sanitary behavior of calves. Blood cellular and biochemical changes in stressed calves. French.
Morrise, J.P. Maisons-Alfort, France, Ecole nationale vétérinaire, Alfort. Recueil de médecine vétérinaire. Mar 1982. v. 158 (3). p. 307-314. 11 ref. (NAL Call No.: 41.8 R24).

2485

Necrosis of the tail following tail biting in veal calves kept in a loose housing system. Dutch.
TIDIA. Mei, J. van der. Utrecht : Nederlandse Maatschappij voor Diergeneeskunde. Tijdschrift voor diergeneeskunde. Jan 15, 1986. v. 111 (2). p. 83-85. Includes references. (NAL Call No.: DNAL 41.8 T431).

2486

Significance of behavioral disturbances in farm animals. Dutch.
TIDIA. Wiegkema, P.R. Utrecht : Nederlandse Maatschappij voor Diergeneeskunde. Tijdschrift voor diergeneeskunde. Jan 1, 1985. v. 110 (1). p. 12-20. ill. Includes 20 references. (NAL Call No.: DNAL 41.8 T431).

2487

Supply of straw, compost and garden mold to fattening pigs (Abnormal behavior, cannibalism). Dutch.
Bure, R.G. Kerk, P. van de; Koomans, P. Wageningen : Het Instituut. Publikatie - Instituut voor Mechanisatie, Arbeid en Gebouwen. Dec 1983. Dec 1983. (190). 23 p. ill. Includes references. (NAL Call No.: S671.I56).

ANIMAL DISORDERS - PHYSICAL TRAUMA

2488

Behavioral studies of dairy cow sensitivity to AC and DC currents.
Gustafson, R.J. Brennan, T.M.; Appleman, R.D. St. Joseph, Mich. : The Society. Paper - American Society of Agricultural Engineers (Microfiche collection). Paper presented at the 1984 Winter Meeting of the American Society of Agricultural Engineers. Available for purchase from: The American Society of Agricultural Engineers, Order Dept., 2950 Niles Road, Winter 1984. (84-3504). 17 p. (NAL Call No.: DNAL FICHE 290.9 AM32P).

2489

Bulls vs steers. II. Response to transport (Beef cattle, behavior, stress, effects of regrouping).

Tennessean, T.UAABB. Price, M.A.; Berg, R.T. Edmonton : The Faculty. Agriculture & forestry bulletin - Alberta University. Faculty of Extension. 1983. Prepared for the 62nd Annual Feeders' Day Report, June 17, 1983. 1983. (special issue). p. 26-27. Includes references. (NAL Call No.: 101 AL1A).

2490

Caring for your communities' carriage horses.
Boatfield, M.P. Miller, L.; Vadnal-Douglas, N. Tucson, Az. : KBR Publications. Community animal control. Nov/Dec 1986. v. 5 (6). p. 11-14, 20-23. ill. Includes references. (NAL Call No.: DNAL HV4764.C62).

2491

A case of "reversed cannibalism" the piglets damaging the sow (Behavior, injuries).
Ladewig, J. Kloeppe, P.; Kallweit, E. Paris : Dept. de pathologie animale de l'Institut national de la recherche agronomique. Annales de recherches vétérinaires = Annals of veterinary research. 1984. Paper presented at the "CEC Workshop on Welfare of Confined Sows," May 26-27, 1983, Rennes, France. v. 15 (2). p. 275-277. Includes references. (NAL Call No.: SF602.A5).

2492

Effect of reduced water intake by lactating dairy cows on behaviour, milk yield and blood composition (Adverse effects).
Little, W. Collis, K.A.; Gleed, P.T.; Sansom, B.F.; Allen, W.M.; Quick, A.J. London, British Veterinary Association. The Veterinary record. June 28, 1980. v. 106 (26). p. 547-551. ill. 9 ref. (NAL Call No.: 41.8 V641).

2493

Effects of handling on plasma corticosterone concentrations in the immature domestic fowl (Stress).

Freeman, B.M. Flack, I.H. Oxford, Pergamon Press. Comparative biochemistry and physiology. A: Comparative physiology. 1980. v. 66A (1). p. 77-81. ill. 18 ref. (NAL Call No.: QP1.C6).

2494

Evidence of heredity of cribbing, weaving and stall-walking in thoroughbred horses.

LPSCD. Vecchiotti, G.G. Galanti, R. Amsterdam : Elsevier Science Publishers B.V. Livestock production science. Feb 1986. v. 14 (1). p. 91-95. ill. Includes references. (NAL Call No.: DNAL SF1.L5).

2495

Flooring and injury--an overview.

Webb, N.G. CTVSD. Nilsson, C. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1983. Paper presented at the Seminar on Farm Animal Housing and Welfare, Aberdeen, July 28-30, 1982. v. 24. p. 226-261. ill. Includes references. (NAL Call No.: SF600.C82).

2496

Hot tips--dodging the dog days (Horses, summer care, fly control, heat stress).

Gaithersburg, Md., Fleet Street Corporation. Equus. July 1981. July 1981. c(45). p. 33-35. ill. Bibliography p. 35. (NAL Call No.: SF277.E6).

2497

Injuries in confined sows. Incidence and relation with behaviour.

Koning, R. de. Paris : Dept. de pathologie animale de l'Institut national de la recherche agronomique. Annales de recherches vétérinaires = Annals of veterinary research. 1984. Paper presented at the "CEC Workshop on Welfare of Confined Sows," May 26-27, 1983, Rennes, France. v. 15 (2). p. 205-214. ill. Includes references. (NAL Call No.: SF602.A5).

2498

Observations on the behaviour and injuries incurred by bison during capture and handling.
Hudson, R.J. Tennessean, T. Amsterdam, Elsevier. Animal regulation studies. Dec 1978. v. 1 (4). p. 345-353. ill. 2 ref. (NAL Call No.: HV4701.A52).

244

(ANIMAL DISORDERS - PHYSICAL TRAUMA)

2499

Plasma cortisol and behaviour in early weaned piglets (Stress).
Worsaae, H. Schmidt, M. Copenhagen, Danske Dyrlægeforening. Acta veterinaria scandinavica. 1980. v. 21 (4). p. 640-657. ill. Bibliography p. 640-657. (NAL Call No.: 41.8 AC87).

2505

The influence of aircraft noise on the productivity of chickens, mortality and types of behaviour. German.
Rhein, Bodo von. Hannover (s.n.) 1983. English summary. 90 p. : ill ; 21 cm. --. Bibliography: p. 85-90. (NAL Call No.: 41.2 H198 1983 (no.114)).

2500

Proper cow movement and handling aids parlor milking (Stress reduction, dairy management).
Merrill, W. Galton, D. Batavia : Agricultural Divisions of Cooperative Extension, Four Western Plain Counties, N.Y. State. Ag impact. Feb 1983. v. 10 (2). p. 1-2. (NAL Call No.: S544.3.N7A45).

2501

Report on the welfare of poultry at the time of slaughter /Farm Animal Welfare Council.
Farm Animal Welfare Council (Great Britain). Surrey : The Council, 1982. 29 p. : 22 cm. (NAL Call No.: DNAL HD9410.9.G7F37).

2502

Stray voltage update: symptoms, sources, solutions.
Appleman, R.D. Gustafson, R.J.; Cloud, H.A. Arlington, Va. : The Council. Annual meeting - National Mastitis Council, Inc. 1987. (26th). p. 110-120. (NAL Call No.: DNAL SF967.M3N32).

2503

Temperament and bruising of Bos indicus cross cattle.
AAHA. Fordyce, G. Goddard, M.E.; Tyler, R.; Williams, G.; Toleman, M.A. Melbourne : Commonwealth Scientific and Industrial Research Organization. Australian journal of experimental agriculture. 1985. v. 25 (2). p. 283-288. Includes 14 references. (NAL Call No.: DNAL 23 AU792).

2504

Traumatic injuries and foot diseases as related to housing systems.
Blom, J.Y. CTVSD. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1983. Paper presented at the Seminar on Farm Animal Housing and Welfare, Aberdeen, July 28-30, 1982. v. 24. p. 216-223. Includes references. (NAL Call No.: SF600.C82).

PROTECTION OF ANIMAL PRODUCTS - GENERAL AND MISC.

2506

**Marketing losses during the preslaughter
handling of pigs.**

UAABB. Warriss, P.D. Lister, D. Edmonton : The Faculty. Agriculture & forestry bulletin - Alberta University. Faculty of Extension. June 15, 1984. p. 10-12. ill. (NAL Call No.: DNAL 101 AL1A).

2507

**Report on the welfare of poultry at the time of
slaughter /Farm Animal Welfare Council.**

Farm Animal Welfare Council (Great Britain). Surrey : The Council, 1982. 29 p. ; 22 cm. (NAL Call No.: DNAL HD9410.9.G7F37).

AGRICULTURAL ENGINEERING

2508

Safe handling of farm animals (Animal behavior, precautions, accident prevention, Wisconsin animal-related injury statistics).

Antoniewicz, R.J. Bristol, R.F.; Howard, W.T.; Jensen, D.V.; Leibbrandt, V.D.; Vatthauer, R.J. Madison : The Programs. Publication - Cooperative Extension Programs. University of Wisconsin - Extension. Oct 1981. Oct 1981. (A3149). 8 p. ill. Includes references. (NAL Call No.: S544.3.W6W53).

2509

Safety considerations for automatic milking systems.

JAERA. Ordolff, D. London : Academic Press. Journal of agricultural engineering research. Oct 1987. v. 38 (2). p. 91-98. ill. Includes references. (NAL Call No.: DNAL 58.8 J82).

STRUCTURES AND STRUCTURAL EQUIPMENT

2510

Alternative housing systems for veal calves, their effect on welfare and performance and their economic feasibility (Costs, disease control, England).

Steenkamer, N.CTVSD. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1982. v. 19. p. 226-234. (NAL Call No.: SF600.C82).

2511

Alternative sow housing.

Petersfield Hampshire : Compassion in World Farming. Agscience : news & comments on agriculture and the environment. June 1987. (88). p. 8-9. ill. (NAL Call No.: DNAL HV4804.A3A4).

2512

An analysis of stereotyped behaviour in tethered sows (Restricted housing).

Cronin, G.M. Wiepkema, P.R. Paris : Dept. de pathologie animale de l'Institut national de la recherche agronomique. Annales de recherches vétérinaires = Annals of veterinary research. 1984. Paper presented at the "CEC Workshop on Welfare of Confined Sows," May 26-27, 1983, Rennes, France. v. 15 (2). p. 263-270. ill. Includes references. (NAL Call No.: SF602.A5).

2513

Animal welfare, husbandry and disease, with particular reference to the galliform species.
Sainsbury, D.W.B. London : BVA Animal Welfare Foundation, 1984? . Priorities in animal welfare : the proceedings of the Animal Welfare Foundation's first symposium, held on 20 November 1984 / edited by Liz Bagnall. p. 43-56. ill. (NAL Call No.: DNAL HV4704.A54 1984).

2514

Animal well-being and housing systems for piglets (Abnormal behaviour).

Bure, R.G.CTVSD. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1981. Paper presented at the Seminar in the EEC Programme of Coordination of Research on Animal Welfare, Brussels, November 25-26, 1980. v. 11. p. 198-209. Includes references. (NAL Call No.: SF600.C82).

2515

Assessing of housing by combined indicators (Functioning of an animal in relation to the environment).

Bure, R.G.CTVSD. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1983. Paper presented at the Seminar on Indicators Relevant to Farm Animal Welfare, Mariensee, 9-10 November 1982. v. 23. p. 209-213. ill. Includes references. (NAL Call No.: SF600.C82).

2516

Assessing the effect of housing on welfare (Livestock, behavior).

Duncan, L.J.H.CTVSD. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1983. Paper presented at the Seminar on Farm Animal Housing and Welfare, Aberdeen, July 28-30, 1982. v. 24. p. 27-35. Includes references. (NAL Call No.: SF600.C82).

2517

Behavior and growth parameters of Large White turkeys as affected by floor space and beak trimming. I. Males.

Denbow, D.M.POSCAL. Leighton, A.T.; Hulet, R.M. Champaign : Poultry Science Association. Poultry science. Jan 1984. v. 63 (1). p. 31-37. Includes references. (NAL Call No.: 47.8 AM33P).

2518

Behavior and growth parameters of Large White turkeys as affected by floor space and beak trimming. II. Females.

POSCAL. Leighton, A.T. Jr. Denbow, D.M.; Hulet, R.M. Champaign, Ill. : Poultry Science Association. Poultry science. Mar 1985. v. 64 (3). p. 440-446. Includes references. (NAL Call No.: DNAL 47.8 AM33P).

2519

Behavior and performance of weanling pigs in pens equipped with hide areas.

JANSAG. McGlone, J.J. Curtis, S.E. Champaign, Ill. : American Society of Animal Science. Journal of animal science. Jan 1985. v. 60 (1). p. 20-24. ill. Includes references. (NAL Call No.: DNAL 49 J82).

2520

Behavior of nursing lambs in straw-bedded and expanded metal floor pens.

Brown, D.E. Dombrowski, D.; Hinds, F.C. (Champaign, Ill. : distributed by the American Society of Animal Science, 1981). Joint meeting / Canadian Society of Animal Science, Western

(STRUCTURES AND STRUCTURAL EQUIPMENT)

Branch (and) American Society of Animal Science, Western Section, Vancouver, B.C., Canada, June 23rd-25th, 1981. p. 167-168. 5 ref. (NAL Call No.: SF5.C35 1981).

2521

Behavioral and physiological responses to spatial novelty in dairy cows.
CNJNA. Kondo, S. Hurnik, J.F. Ottawa : Agricultural Institute of Canada. Canadian journal of animal science. June 1988. v. 68 (2). p. 339-343. Includes references. (NAL Call No.: DNAL 41.8 C163).

2522

Behaviour and performance of veal calves under different stabling conditions.
AZOON. Verga, M. Pavesi, M.; Cerutti, F. Paris : Institut National de la Recherche Agronomique. Annales de zootechnie. 1985. v. 34 (3). p. 247-256. ill. Includes references. (NAL Call No.: DNAL 49 F84).

2523

Behaviour and well-being of hens (*Gallus domesticus*) in alternative housing environments.
WPSJA. Craig, J.V. Adams, A.W. Aylesbury : World's Poultry Science Association. World's poultry science journal. Literature review. Oct 1984. v. 40 (3). p. 221-240. Includes references. (NAL Call No.: DNAL 47.8 W89).

2524

The behaviour of gilts in relation to the time spent in different housing systems.
Schlichting, M.C. Smidt, D. Darmstadt : Kuratorium fur Technik und Bauwesen in der Landwirtschaft, 1984? . Proceedings of the International Congress on Applied Ethology in Farm Animals, Kiel, 1984 / edited by J. Unshelm, G. van Putten and K. Zeeb ; sponsored by the Federal Ministry of Food, Agriculture and Forestry. p. 156-158. Includes references. (NAL Call No.: DNAL SF756.7.I5 1984).

2525

Behavioural patterns of growing buffalo heifers under three different housing conditions.
IJDSC. Singh, M.P. Karki, D.B.; Mehla, O.P.; Sastry, N.S.R. New Delhi : Indian Dairy Association. The Indian journal of dairy science. Dec 1985. v. 38 (4). p. 289-294. Includes references. (NAL Call No.: DNAL 44.8 IN28).

2526

Beteendestudier pa logsgaende och fixerade svin under samma skotsel-, utfodrings- och stallforhallanden = Behavior studies of "loose" and "fixed" dry sows maintained under the same husbandry, feeding and stable conditions / Mats Jeppsson, Jorgen Svendsen, Bengt Andreasson. Jeppsson, Mats. Lund Swedish University of Agricultural Sciences, Dept. of Farm Buildings 1980. English summary. 53 p. : ill. --. Bibliography: p. 43-45. (NAL Call No.: TH4911.A1S9 (no.) 10).

2527

A biological basis for the design of space in livestock housing.

Petherick, J.C. CTVSD. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1983. Paper presented at the Seminar on Farm Animal Housing and Welfare, Aberdeen, July 28-30, 1982 ~Literature review. v. 24. p. 103-120. ill. Includes references. (NAL Call No.: SF600.C82).

2528

Biology into buildings (Animal housing and welfare).

Baxter, S.H. CTVSD. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1983. Paper presented at the Seminar on Farm Animal Housing and Welfare, Aberdeen, July 28-30, 1982. v. 24. p. XI-XVI. ill. Includes references. (NAL Call No.: SF600.C82).

2529

Cage level and fear in the domestic fowl.

Jones, R.B. Darmstadt : Kuratorium fur Technik und Bauwesen in der Landwirtschaft, 1984? Proceedings of the International Congress on Applied Ethology in Farm Animals, Kiel, 1984 / edited by J. Unshelm, G. van Putten and K. Zeeb ; sponsored by the Federal Ministry of Food, Agriculture and Forestry. p. 217-220. Includes references. (NAL Call No.: DNAL SF756.7.I5 1984).

2530

Cage type effects on feeding activity of three commercial strains of egg-type chickens.

POSCAL. Carey, J.B. Adams, A.W.; Kemp, K.E. Champaign, Ill. : Poultry Science Association. Poultry science. May 1986. v. 65 (5). p. 845-849. Includes references. (NAL Call No.: DNAL 47.8 AM33P).

(STRUCTURES AND STRUCTURAL EQUIPMENT)

2531

Cages: how could they be improved? (Laying hens).

Tauson, R.CTVSD. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1980. Paper presented at the Seminar in the EEC Programme of Coordination of Research on Animal Welfare, Luxembourg, March 11-13, 1980. v. 8. p. 269-304. ill. Includes references. (NAL Call No.: SF600.C82).

2532

Causes of floor-laying in poultry.

Rietveld-Piepers, B. Wiepkema, P.R.; Blokhuis, H.J. Darmstadt : Kuratorium fur Technik und Bauwesen in der Landwirtschaft. 1984? . Proceedings of the International Congress on Applied Ethology in Farm Animals, Kiel, 1984 / edited by J. Unshelm, G. van Putten and K. Zeeb ; sponsored by the Federal Ministry of Food, Agriculture and Forestry. p. 196-200. Includes references. (NAL Call No.: DNAL SF756.7.I5 1984).

2533

Characteristics of pig fattening systems involving partially slatted floors (Buildings, designs).

Smith, A.T.CTVSD. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1981. Paper presented at the Seminar in the EEC Programme of Coordination of Research on Animal Welfare, Brussels, November 25-26, 1980. v. 11. p. 152-170. ill. Includes references. (NAL Call No.: SF600.C82).

2534

Comparative mortality and morbidity rates for cattle on slatted floors and in straw yards.

Hannan, J.CTVSD. Murphy, P.A. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1983. Paper presented at the Seminar on Indicators Relevant to Farm Animal Welfare, Mariensee, 9-10 November 1982. v. 23. p. 139-142. Includes references. (NAL Call No.: SF600.C82).

2535

Comparison of four methods of calf confinement. I. Physiology.

JANSAG. Friend, T.H. Dellmeier, G.R.; Gbur, E.E. Champaign, Ill. : American Society of Animal Science. Journal of animal science. Literature review. May 1985. v. 60 (5). p. 1095-1101. Includes 35 references. (NAL Call No.: DNAL 49 J82).

2536

Comparison of four methods of calf confinement. II. Behavior.

JANSAG. Dellmeier, G.R. Friend, T.H.; Gbur, E.E. Champaign, Ill. : American Society of Animal Science. Journal of animal science. May 1985. v. 60 (5). p. 1102-1109. Includes 35 references. (NAL Call No.: DNAL 49 J82).

2537

The comparison of individual and group housing systems in gilts.

ZBFVA. Stuhec, I. Schlichting, M.C.; Unshelm, J.; Smidt, D. Ljubljana : Fakulteta. Zbornik Biotehniške fakultete univerze Edvarda Kardelja v Ljubljani : Kmetijstvo. 1986. (48). p. 219-226. Includes references. (NAL Call No.: DNAL 21.5 Z15).

2538

Confinement of sows related to their productivity (Pig housing).

Daelemans, J. Paris : Dept. de pathologie animale de l'Institut national de la recherche agronomique. Annales de recherches veterinaire = Annals of veterinary research. 1984. Paper presented at the "CEC Workshop on Welfare of Confined Sows," May 26-27, 1983, Rennes, France. v. 15 (2). p. 149-158. ill. Includes references. (NAL Call No.: SF602.A5).

2539

Crowding phenomena in dairy cows as related to available idling space in a cubicle housing system (Aggressiveness, behavior).

Metz, J.H.M. Mekking, P. Amsterdam : Elsevier. Applied animal behaviour science. Mar 1984. v. 12 (1/2). p. 63-78. ill. Includes references. (NAL Call No.: QL750.A6).

2540

Danish studies on behaviour of early weaned piglets: preliminary results (Cages, housing system).

Schmidt, M.CTVSD. Adler, H.C. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1981. Paper presented at the Seminar in the EEC Programme of Coordination of Research on Animal Welfare, Brussels, November 25-26, 1980. v. 11. p. 211-225. ill. Includes references. (NAL Call No.: SF600.C82).

(STRUCTURES AND STRUCTURAL EQUIPMENT)

2541

Development in welfare guidelines.

BOPUDB. Moss, R. Haddington : The Society. BSAP occasional publication : an occasional publication of the British Society of Animal Production. In the series analytic: Pig housing and the environment / edited by A.T. Smith and T.L.J. Lawrence. Proceedings of a Symposium, October 1986, Kenilworth, Scotland. 1987. (11). p. 93-97. Includes references. (NAL Call No.: DNAL SF5.B74).

2542

Diseases affecting confined sows. Data from epidemiological observations (France).

Tillion, J.P. Madec, F. Paris : Dept. de pathologie animale de l'Institut national de la recherche agronomique. Annales de recherches vétérinaires = Annals of veterinary research. 1984. Paper presented at the "CEC Workshop on Welfare of Confined Sows," May 26-27, 1983, Rennes, France. v. 15 (2). p. 195-199. Includes references. (NAL Call No.: SF602.A5).

2543

Early weaning and cage rearing of piglets; influence on behaviour.

Algers, B. Berlin, W. Ger. : Paul Parey. Zentralblatt für Veterinärmedizin. Reihe A. Feb 1984. v. 31 (1). p. 14-24. ill. Includes references. (NAL Call No.: 41.8 Z5).

2544

The effect of air movement on the activity, lying position and huddling behaviour of weaned piglets.

AUVA. McInnes, S.J. Blackshaw, J.K. North Melbourne, Victoria : Ramsay Ware Stockland Pty. Australian veterinary journal. Dec 1984. v. 61 (12). p. 387-392. ill. Includes references. (NAL Call No.: DNAL 41.8 AU72).

2545

Effect of barn floor types on behavior of fattening steers.

Iketaki, T. Ohtani, M.; Ota, S. Tokyo, Japan : Japanese Society of Zootechnical Science, 1983. New strategies for improving animal production for human welfare : proceedings / the Fifth World Conference on Animal Production, August 14-19, 1983. v. 2 p. 811-812. Includes references. (NAL Call No.: DNAL SF5.W6 1983).

2546

Effect of cage and floor pen management on behavior, production, and physiological stress responses of laying hens.

POSICAL. Mench, J.A. Tienhoven, A. van; Marsh, J.A.; McCormick, C.C.; Cunningham, D.L.; Baker, R.C. Champaign, Ill. : Poultry Science Association. Poultry science. June 1986. v. 65 (6). p. 1058-1069. Includes references. (NAL Call No.: DNAL 47.8 AM33P).

2547

Effect of confinement, climatic conditions and litter parity on the seasonal variations of the fertility rate and prolificacy (Sows).

Martinat-Botte, F. Dagorn, J.; Terqui, M.; Dando, P. Paris : Dept. de pathologie animale de l'Institut national de la recherche agronomique. Annales de recherches vétérinaires = Annals of veterinary research. 1984. Paper presented at the "CEC Workshop on Welfare of Confined Sows," May 26-27, 1983, Rennes, France. v. 15 (2). p. 165-172. ill. Includes references. (NAL Call No.: SF602.A5).

2548

The effect of different housing systems on behaviour and plasma cortisol concentration in gilts.

Stuhc, I. Schlichting, M.C.; Smidt, D.; Unshelm, J. Darmstadt : Kuratorium für Technik und Bauwesen in der Landwirtschaft, 1984? . Proceedings of the International Congress on Applied Ethology in Farm Animals, Kiel, 1984 / edited by J. Unshelm, G. van Putten and K. Zebe ; sponsored by the Federal Ministry of Food, Agriculture and Forestry. p. 139-143. Includes references. (NAL Call No.: DNAL SF756.7.I5 1984).

2549

The effect of extra space on the behavior of dairy cows kept in a cubicle house.

CTVSD. Wierenga, H.K. Metz, J.H.M.; Hopster, H. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. Paper presented at the "Seminar on the Social Space for Domestic Animals," January 10-11, 1985, Brussels. 1985. v. 35. p. 160-170. ill. Includes references. (NAL Call No.: DNAL SF600.C82).

2550

Effect of group size on behaviour and production of egg layers at constant space per hen in deep and shallow cages.

CTVSD. Tind, E. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. Paper presented at the "Seminar on the Social Space for Domestic Animals," January 10-11, 1985, Brussels. 1985. v. 35. p.

251

(STRUCTURES AND STRUCTURAL EQUIPMENT)

85-98. Includes references. (NAL Call No.: DNAL SF600.C82).

2551

Effect of housing on in situ postures of gestating gilts.

Taylor, L. Friend, T.; Smith, L.A. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. May 1988. v. 19 (3/4). p. 265-272. Includes references. (NAL Call No.: DNAL QL750.A6).

2552

Effect of housing system on sow productivity.

Lynch, P.B. O'Grady, J.F.; Kearney, P.A. Paris : Dept. de pathologie animale de l'Institut national de la recherche agronomique. Annales de recherches vétérinaires = Annals of veterinary research. 1984. Paper presented at the "CEC Workshop on Welfare of Confined Sows," May 26-27, 1983, Rennes, France. v. 15 (2). p. 181-184. Includes references. (NAL Call No.: SF602.A5).

2553

Effects of confinement on attainment of puberty in gilts (Housing, temperature).

Prunier, A. Etienne, M. Paris : Dept. de pathologie animale de l'Institut national de la recherche agronomique. Annales de recherches vétérinaires = Annals of veterinary research. 1984. Paper presented at the "CEC Workshop on Welfare of Confined Sows," May 26-27, 1983, Rennes, France. v. 15 (2). p. 159-164. Includes references. (NAL Call No.: SF602.A5).

2554

Effects of double decking and space allowances on the performance and behavior of feeder lambs.

JANSAG. Gonyou, H.W. Stookey, J.M.; McNeal, L.G. Champaign, Ill. : American Society of Animal Science. Journal of animal science. May 1985. v. 60 (5). p. 1110-1116. ill. Includes 11 references. (NAL Call No.: DNAL 49 J82).

2555

The effects of elevated sloped floor farrowing pens compared to conventional farrowing crates on sow and baby pig performance and behavior.

Bonnette, E.D. Swett, L.A.; Kornegay, E.T.; Collins, E.R. Jr. Blacksburg, Va. : The Station. Animal science research report - Virginia Polytechnic Institute and State University, Virginia Agricultural Experiment Station. 1985. (4). p. 114-117. (NAL Call No.: DNAL SF1.A54).

2556

Effects of stocking density on production and social behaviour in laying hens.

CTVSD. Bessei, W. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. Paper presented at the "Seminar on the Social Space for Domestic Animals," January 10-11, 1985, Brussels. 1985. v. 35. p. 71-84. ill. Includes references. (NAL Call No.: DNAL SF600.C82).

2557

Endocrine and behavior changes associated with intensive housing systems for swine.

Becker, B.A. Ford, J.J.; Nienaber, J.A.; Hahn, G.L.; Christenson, R.K. New York : Plenum Press, c1986. Swine in biomedical research / edited by M.E. Tumbleson. Proceedings of a conference on Swine in Biomedical Research, June 17-20, 1985, Columbia, Missouri. p. 173-189. ill. Includes references. (NAL Call No.: DNAL RB125.C68 1985).

2558

An environmental model for sows: materializing physical and behavioural needs.

Koning, R. de. Paris : Dept. de pathologie animale de l'Institut national de la recherche agronomique. Annales de recherches vétérinaires = Annals of veterinary research. 1984. Paper presented at the "CEC Workshop on Welfare of Confined Sows," May 26-27, 1983, Rennes, France. v. 15 (2). p. 303-309. Includes references. (NAL Call No.: SF602.A5).

2559

Essential behavioural needs (Laying hens in deep litter in comparison with those in battery cages).

Folsch, D.W. CTVSD. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1980. Paper presented at the Seminar in the EEC Programme of Coordination of Research on Animal Welfare, Luxembourg, March 11-13, 1980. v. 8. p. 121-147. ill. Includes references. (NAL Call No.: SF600.C82).

2560

Ethological aspects of the behavior of hens in relation to different housing systems.

Folsch, D.W. Witzenhausen : Verlagsgruppe Witzenhausen, c1986. The importance of biological agriculture in a world of diminishing resources : proc of the 5th IFOAM Int Scientific Conference at the Univ of Kassel (Germany), Aug 27-30, 1984 / H. Vogtmann, E. Boehncke, I. Fricke, eds. p. 396-403. Includes references. (NAL Call No.: DNAL S605.5.I45 1984).

(STRUCTURES AND STRUCTURAL EQUIPMENT)

2561

Ethological sound pig production.

Gotz, M. Weber, R.; Rist, M.; Kohn, P.; Konrad, S. Witzenhausen : Verlagsgruppe Witzenhausen, c1986. The importance of biological agriculture in a world of diminishing resources : proc of the 5th IFOAM Int Scientific Conference at the Univ of Kassel (Germany), Aug 27-30, 1984 / H. Vogtmann, E. Boehncke, I. Fricke, eds. p. 380-386. ill. Includes references. (NAL Call No.: DNAL S605.5.I45 1984).

2562

An evaluation of ethological criteria and methods in the assessment of wellbeing in sows (Confinement).

Vestergaard, K. Paris : Dept. de pathologie animale de l'Institut national de la recherche agronomique. Annales de recherches vétérinaires = Annals of veterinary research. 1984. Paper presented at the "CEC Workshop on Welfare of Confined Sows," May 26-27, 1983, Rennes, France ~Literature review. v. 15 (2). p. 227-235. Includes references. (NAL Call No.: SF602.A5).

2563

An examination of behavioral, immunological and productive traits in four management systems for sows and piglets.

McGlone, J.J. Blecha, F. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. Oct 1987. v. 18 (3/4). p. 269-286. Includes references. (NAL Call No.: DNAL QL750.A6).

2564

Experiments on behavioral and cognitive processes involved in social space of laying hens at the beginning of the laying period.

CTVSD. Zayan, R. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. Paper presented at the "Seminar on the Social Space for Domestic Animals," January 10-11, 1985, Brussels. 1985. v. 35. p. 197-229. ill. Includes references. (NAL Call No.: DNAL SF600.C82).

2565

Factors affecting floor laying by domestic hens: A review.

WPSJA. Appleby, M.C. Aylesbury : World's Poultry Science Association. World's poultry science journal. Literature review. Oct 1984. v. 40 (3). p. 241-249. Includes references. (NAL Call No.: DNAL 47.8 W89).

2566

Farm animal welfare.

AMSCA. Mench, J.A. Tienhoven, A. van. New Haven, Conn. : Sigma Xi, The Scientific Research Society. American scientist. Nov/Dec 1986. v. 74 (6). p. 598-603. ill. Includes references. (NAL Call No.: DNAL 470 SI2).

2567

Farrowing accommodation and losses, vitality and daily gain of piglets as indicators of well being.

Bekaert, H. CTVSD. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1983. Paper presented at the Seminar on Indicators Relevant to Farm Animal Welfare, Mariensee, 9-10 November 1982. v. 23. p. 183-188. Includes references. (NAL Call No.: SF600.C82).

2568

Feeding conditions in relation to welfare for dairy cows in loose-housing systems.

Konggard, S.P. CTVSD. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1983. Paper presented at the Seminar on Farm Animal Housing and Welfare, Aberdeen, July 28-30, 1982. v. 24. p. 272-280. ill. Includes references. (NAL Call No.: SF600.C82).

2569

Floor- and cage-rearing effects on pullets' initial adaptation to multiple-hen cages.

Craig, J.V. Okpokho, N.A.; Milliken, G.A. Amsterdam : Elsevier Science Publishers, B.V. Applied animal behaviour science. Aug 1988. v. 20 (3/4). p. 319-333. Includes references. (NAL Call No.: DNAL QL750.A6).

2570

Flooring and injury--an overview.

Webb, N.G. CTVSD. Nilsson, C. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1983. Paper presented at the Seminar on Farm Animal Housing and Welfare, Aberdeen, July 28-30, 1982. v. 24. p. 226-261. ill. Includes references. (NAL Call No.: SF600.C82).

2571

Foundations of housing and welfare (Farm animals).

Drewett, R.F. CTVSD. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1983. Paper presented at the Seminar on Farm Animal Housing and Welfare, Aberdeen, July 28-30, 1982. v. 24. p. 289-300.

253

(STRUCTURES AND STRUCTURAL EQUIPMENT)

(NAL Call No.: SF600.C82).

2572

Housing design and welfare in livestock production.

Jongbreur, A.A.CTVSD. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1983. Paper presented at the Seminar on Farm Animal Housing and Welfare, Aberdeen, July 28-30, 1982. v. 24. p. 265-271. Includes references. (NAL Call No.: SF600.C82).

2573

Housing of sows in gestation: studies of behaviour in different types of group housing.
Bengtsson, A.C. Svendsen, J.; Andersson, M. Darmstadt : Kuratorium fur Technik und Bauwesen in der Landwirtschaft, 1984? . Proceedings of the International Congress on Applied Ethology in Farm Animals, Kiel, 1984 / edited by J. Unshelm, G. van Putten and K. Zeeb ; sponsored by the Federal Ministry of Food, Agriculture and Forestry. p. 214-216. Includes references. (NAL Call No.: DNAL SF756.7.I5 1984).

2574

The identification of behavioural key features and their incorporation into a housing design for pigs.

Stolba, A. Wood-Gush, D.G.M. Paris : Dept. de pathologie animale de l'Institut national de la recherche agronomique. Annales de recherches vétérinaires = Annals of veterinary research. 1984. Paper presented at the "CEC Workshop on Welfare of Confined Sows," May 26-27, 1983, Rennes, France. v. 15 (2). p. 287-299. ill. Includes references. (NAL Call No.: SF602.A5).

2575

Immunity changes in confined animals: a route to disease? (Swine, housing, diseases).

Kelley, K.W. Mertsching, H.J.; Salmon, H. Paris : Dept. de pathologie animale de l'Institut national de la recherche agronomique. Annales de recherches vétérinaires = Annals of veterinary research. 1984. Paper presented at the "CEC Workshop on Welfare of Confined Sows," May 26-27, 1983, Rennes, France. v. 15 (2). p. 201-204. Includes references. (NAL Call No.: SF602.A5).

2576

The impact of the farrowing pen on the sow and her piglets (Housing and fittings).

Daelemans, J.CTVSD. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1981. Paper presented at the Seminar in the EEC Programme of Coordination of Research on Animal Welfare,

Brussels, November 25-26, 1980. v. 11. p. 269-275. Includes references. (NAL Call No.: SF600.C82).

2577

Implications of behaviour studies on the development of housing systems.

BOPUDB. Baxter, M.R. Haddington : The Society. BSAP occasional publication : an occasional publication of the British Society of Animal Production. In the series analytic: Pig housing and the environment / edited by A.T. Smith and T.L.J. Lawrence. Proceedings of a Symposium, October 1986, Kenilworth, Scotland. 1987. (11). p. 99-102. ill. Includes references. (NAL Call No.: DNAL SF5.B74).

2578

Improvement of piglet survival rate in relation to farrowing systems and conditions (Housing).
Aumaitre, A. Le Dividich, J. Paris : Dept. de pathologie animale de l'Institut national de la recherche agronomique. Annales de recherches vétérinaires = Annals of veterinary research. 1984. Paper presented at the "CEC Workshop on Welfare of Confined Sows," May 26-27, 1983, Rennes, France. v. 15 (2). p. 173-179. ill. Includes references. (NAL Call No.: SF602.A5).

2579

Indicators for the determination of the appropriateness of animal housing systems from a welfare perspective.

Gloor, P. Witzenhausen : Verlagsgruppe Witzenhausen , c1986. The importance of biological agriculture in a world of diminishing resources : proc of the 5th IFOAM Int Scientific Conference at the Univ of Kassel (Germany), Aug 27-30, 1984 / H. Vogtmann, E. Boehncke, I. Fricke, eds. p. 369-375. (NAL Call No.: DNAL S605.5.I45 1984).

2580

The influence of housing conditions on social behaviour in pigs.

Bure, R.G. Darmstadt : Kuratorium fur Technik und Bauwesen in der Landwirtschaft, 1984? . Proceedings of the International Congress on Applied Ethology in Farm Animals, Kiel, 1984 / edited by J. Unshelm, G. van Putten and K. Zeeb ; sponsored by the Federal Ministry of Food, Agriculture and Forestry. p. 159-161. Includes references. (NAL Call No.: DNAL SF756.7.I5 1984).

(STRUCTURES AND STRUCTURAL EQUIPMENT)

2581

The influence of the space for walking and lying in a cubicle system on the behaviour of dairy cattle.

Wierenga, H.K. CTVSD. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1983. Paper presented at the Seminar on Farm Animal Housing and Welfare, Aberdeen, July 28-30, 1982. v. 24. p. 171-180. ill. Includes references. (NAL Call No.: SF600.C82).

2582

Injuries in confined sows. Incidence and relation with behaviour.

Koning, R. de. Paris : Dept. de pathologie animale de l'Institut national de la recherche agronomique. Annales de recherches vétérinaires = Annals of veterinary research. 1984. Paper presented at the "CEC Workshop on Welfare of Confined Sows," May 26-27, 1983, Rennes, France. v. 15 (2). p. 205-214. ill. Includes references. (NAL Call No.: SF602.A5).

2583

Investigations on social space in open and restricted environments in sheep.

CTVSD. Lawrence, A.B. Wood-Gush, D.G.M. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. Paper presented at the "Seminar on the Social Space for Domestic Animals," January 10-11, 1985, Brussels. 1985. v. 35. p. 171-191. ill., maps. Includes references. (NAL Call No.: DNAL SF600.C82).

2584

Jamforande undersökning av dräktiga suggor i olika inhysningssystem : beteendestudier och renhetsstudier = Comparison of four types of housing for sows in gestation : behaviour studies and hygiene studies / Anne-Charlotte Bengtsson, Jorgen Svendsen, Gunnel Persson. - Swedish.

Bengtsson, Anne-Charlotte. Lund (Sweden) Institutionen för lantbrukets byggnadsteknik, Avdelningen för trädgårdsnaringens byggnadskonstruktioner 1983. Summary in English. 76 p. : ill. ; 30 cm. --. Bibliography: p. 70-71. (NAL Call No.: TH4911.A1S9 no.36).

2585

Livestock behavior as related to handling facilities design (Cattle, pigs, sheep).

Grandin, T. Washington, D.C., Institute for the Study of Animal Problems. International journal for the study of animal problems. Jan/Feb 1980. v. 1 (1). p. 33-52. ill. Bibliography p. 50-52. (NAL Call No.: HV4701.I49).

2586

Locomotion and space structure in six cattle units (Environmental factor in animal housing and welfare).

Zeeb, K. CTVSD. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1983. Paper presented at the Seminar on Farm Animal Housing and Welfare, Aberdeen, July 28-30, 1982. v. 24. p. 129-136. ill. (NAL Call No.: SF600.C82).

2587

The lying behaviour of veal calves in different housing systems.

Wilt, J.G. de. Darmstadt : Kuratorium für Technik und Bauwesen in der Landwirtschaft, 1984? . Proceedings of the International Congress on Applied Ethology in Farm Animals, Kiel, 1984 / edited by J. Unshelm, G. van Putten and K. Zeeb ; sponsored by the Federal Ministry of Food, Agriculture and Forestry. p. 193-195. Includes references. (NAL Call No.: DNAL SF756.7.I5 1984).

2588

Management constraints for livestock housing in the USA.

DeShazer, J.A. CTVSD. Hahn, G.L. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1983. Paper presented at the Seminar on Farm Animal Housing and Welfare, Aberdeen, July 28-30, 1982. v. 24. p. 330-335. maps. Includes references. (NAL Call No.: SF600.C82).

2589

Measurement of essential and behavioural needs as provided by present husbandry systems: battery, 'get-away' cage, aviary (Laying hens).

Wegner, R.M. CTVSD. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1980. Paper presented at the Seminar in the EEC Programme of Coordination of Research on Animal Welfare, Luxembourg, March 11-13, 1980. v. 8. p. 195-205. (NAL Call No.: SF600.C82).

2590

Motor activity of pregnant tethered sows (Restricted housing).

Cariotet, R. Dantzer, R. Paris : Dept. de pathologie animale de l'Institut national de la recherche agronomique. Annales de recherches vétérinaires = Annals of veterinary research. 1984. Paper presented at the "CEC Workshop on Welfare of Confined Sows," May 26-27, 1983, Rennes, France. v. 15 (2). p. 257-261. ill. Includes references. (NAL Call No.: SF602.A5).

255

(STRUCTURES AND STRUCTURAL EQUIPMENT)

2591

A multiple free choice model for pigs (Behavior, different housing systems). Mwanjali, S. Smidt, D.; Ellendorff, F. Amsterdam : Elsevier. Applied animal ethology. Jan 1983. v. 9 (3/4). p. 263-271. illl. Includes references. (NAL Call No.: QL750.A6).

2592

Nursing and suckling behaviour of sows and their litters before and after grouping in multi-accommodation pens. Bryant, M.J. Rowlinson, P. Harlow : Longman. Animal production. Apr 1984. v. 38 (pt.2). p. 277-282. Includes references. (NAL Call No.: 49 AN55).

2593

Observations on the effects of stocking rate on the performance of gilts and boars to bacon weight (Housing, temperature). Hanrahan, T.J. CTVSD. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1981. Paper presented at the Seminar in the EEC Programme of Coordination of Research on Animal Welfare, Brussels, November 25-26, 1980. v. 11. p. 141-151. Includes references. (NAL Call No.: SF600.C82).

2594

Open front piggeries with and without straw (Housing systems for fattening pigs, economics, Netherlands). Koomans, P. CTVSD. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1981. Paper presented at the Seminar in the EEC Programme of Coordination of Research on Animal Welfare, Brussels, November 25-26, 1980. v. 11. p. 171-181. (NAL Call No.: SF600.C82).

2595

Perforated-floor preference of weanling pigs (Behavior). Pouteaux, V.A. Christison, G.I.; Stricklin, W.R. Amsterdam : Elsevier. Applied animal ethology. Sept 1983. v. 11 (1). p. 19-23. Includes references. (NAL Call No.: QL750.A6).

2596

Pig housing and welfare. Sainsbury, D.W.B. Aberdeen : Scottish Farm Buildings Investigation Unit. Farm building progress. Apr 1984. Apr 1984. (76). p. 7-10. (NAL Call No.: TH4911.F37).

2597

Piglet mortality in farrowing pens with or without the Medata Blowaway System. BDPUB. Corning, S. Spechter, H.H. Haddington : The Society. BSAP occasional publication : an occasional publication of the British Society of Animal Production. In the series analytic: Pig housing and the environment / edited by A.T. Smith and T.L.J. Lawrence. Proceedings of a Symposium, October 1986, Kenilworth, Scotland. 1987. (11). p. 127-128. (NAL Call No.: DNAL SF5.B74).

2598

Possibilities and limitations of choice tests in relation to animal well-being. Rooijen, J. van. Darmstadt : Kuratorium fur Technik und Bauwesen in der Landwirtschaft, 1984? . Proceedings of the International Congress on Applied Ethology in Farm Animals, Kiel, 1984 / edited by J. Unshelm, G. van Putten and K. Zeeb ; sponsored by the Federal Ministry of Food, Agriculture and Forestry. p. 353-357. illl. Includes references. (NAL Call No.: DNAL SF756.7.I5 1984).

2599

The practical aspects of calf welfare with special reference to salmonellae. Scott. Cheshire : The Association. British Cattle Veterinary Association proceedings. 1983/1984. p. 115-119. (NAL Call No.: DNAL SF961.B71).

2600

Pre-laying behavior of hens kept in single- or multiple-hen cages. Ramos, N.C. Craig, J.V. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. May 1988. v. 19 (3/4). p. 305-313. Includes references. (NAL Call No.: DNAL QL750.A6).

2601

Pre-laying behaviour in battery cages. BPOSA. Mills, A.D. Wood-Gush, D.G.M. Harlow, Essex : Longman. British poultry science. Apr 1985. v. 26 (2). p. 247-252. Includes references. (NAL Call No.: DNAL 47.8 B77).

2602

Preference tests of ramp designs for young pigs. CNJNA. Phillips, P.A. Thompson, B.K.; Fraser, D. Ottawa : Agricultural Institute of Canada. Canadian journal of animal science. Mar 1988. v. 68 (1). p. 41-48. illl. Includes references. (NAL Call No.: DNAL 41.8 C163).

256

(STRUCTURES AND STRUCTURAL EQUIPMENT)

2603

Preferences of domestic hens for cage size and floor types as measured by operant conditioning.

Lagadic, H. Faure, J.M. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. Dec 1987. v. 19 (1/2). p. 147-155. ill. Includes references. (NAL Call No.: DNAL QL750.A6).

2604

Production performance in laying hens kept under different housing conditions (Egg quality).

Wegner, R.M. CTVSD. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1983. Paper presented at the Seminar on Indicators Relevant to Farm Animal Welfare, Mariensee, 9-10 November 1982. v. 23. p. 189-196. Includes references. (NAL Call No.: SF600.C82).

2605

Production, physiological, and behavioral responses of laying hens in different management environments.

POSCAL. Koelkebeck, K.W. Amoss, M.S. Jr.; Cain, J.R. Champaign, Ill. : Poultry Science Association. Poultry science. Mar 1987. v. 66 (3). p. 397-407. Includes references. (NAL Call No.: DNAL 47.8 AM33P).

2606

Putting science into practice (Floor housing systems, laying hens, behavior).

Hill, J.A. CTVSD. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1980. Paper presented at the Seminar in the EEC Programme of Coordination of Research on Animal Welfare, Luxembourg, March 11-13, 1980. v. 8. p. 207-225. Includes references. (NAL Call No.: SF600.C82).

2607

Report on the welfare of livestock (red meat animals) at the time of slaughter /Farm Animal Welfare Council. --.

Farm Animal Welfare Council (Great Britain). London : H.M.S.O., 1984. 77 p. : ill. ; 25 cm. --. Bibliography: p. 75-77. (NAL Call No.: DNAL TS1966.G7F28).

2608

Resting behaviour of Friesian bulls maintained in a tie-stall barn under two patterns of lighting.

Nicks, B. Dechamps, P.; Canart, B.; Istasse, L. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. May 1988. v. 19 (3/4). p. 321-329. Includes references. (NAL Call No.: DNAL QL750.A6).

2609

Results of research projects into flooring preferences of cattle.

Irps, H. CTVSD. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1983. Paper presented at the Seminar on Farm Animal Housing and Welfare, Aberdeen, July 28-30, 1982. v. 24. p. 200-215. ill. Includes references. (NAL Call No.: SF600.C82).

2610

Selection of perforated floors by newborn and weanling pigs (Behavior, preference).

Farmer, C. CNJNA. Christison, G.I. Ottawa : Agricultural Institute of Canada. Canadian journal of animal science. Dec 1982. v. 62 (4). p. 1229-1236. 2 p. ref. (NAL Call No.: 41.8 C163).

2611

Serum cortisol concentrations in gilts and sows housed in tether stalls, gestation stalls and individual pens.

Becker, B. Christenson, R.; Ford, J.; Manak, R.; Nienaber, J.; Hahn, G.; Deshazer, J. Paris : Dept. de pathologie animale de l'Institut national de la recherche agronomique. Annales de recherches vétérinaires = Annals of veterinary research. 1984. Paper presented at the "CEC Workshop on Welfare of Confined Sows," May 26-27, 1983, Rennes, France. v. 15 (2). p. 237-242. Includes references. (NAL Call No.: SF602.A5).

2612

Sheep and cattle handling facilities.

Hutson, G.D. Indooroopilly, QLD : Australian Veterinary Association (Queensland Division), 1985. Grazing Animal Welfare Symposium : proceedings of a symposium held at the Bardon Professional Development Centre, Brisbane, on April 26th and 27th, 1985 / editors: Brian L. Moore and Peter J. Chenoweth. p. 124-136. ill. Includes references. (NAL Call No.: DNAL SF85.4.A9G72 1985).

(STRUCTURES AND STRUCTURAL EQUIPMENT)

2613

Shelter for stock protection on farms.

Marshall, J.K. Western Australia? : Australian Society of Animal Production, W.A. Branch?, 1982? . Proceedings of a seminar on losses of sheep after shearing due to adverse weather : Darkan, Western Australia, July 1982 / editors, S.K. Baker, H.M. Chapman, I.H. Williams. p. 20-22. Includes references. (NAL Call No.: DNAL SF379.P72).

2614

The sleep-waking pattern and behavior of pigs kept in different husbandry systems (Slatted floor types).

Ladewig, J.CTVSD. Ellendorff, F. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1983. Paper presented at the Seminar on Indicators Relevant to Farm Animal Welfare, Mariensee, 9-10 November 1982. v. 23. p. 55-60. Includes references. (NAL Call No.: SF600.C82).

2615

Social and space requirements for hens in battery cages.

Zayan, R.CTVSD. Doyen, J.; Duncan, L.J.H. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1983. Paper presented at the Seminar on Farm Animal Housing and Welfare, Aberdeen, July 28-30, 1982. v. 24. p. 67-90. Includes references. (NAL Call No.: SF600.C82).

2616

Social space in small groups of laying hens.

CTVSD. Faure, J.M. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. Paper presented at the "Seminar on the Social Space for Domestic Animals," January 10-11, 1985, Brussels. 1985. v. 35. p. 99-109. Includes references. (NAL Call No.: DNAL SF600.C82).

2617

Some aspects of sow health and housing.

Ekesbo, I.CTVSD. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1981. Paper presented at the Seminar in the EEC Programme of Coordination of Research on Animal Welfare, Brussels, November 25-26, 1980. v. 11. p. 250-266. Includes references. (NAL Call No.: SF600.C82).

2618

Some considerations regarding optimum environmental conditions for laying hens in cage management.

Petersen, J.CTVSD. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1980. Paper presented at the Seminar in the EEC Programme of Coordination of Research on Animal Welfare, Luxembourg, March 11-13, 1980. v. 8. p. 43-64. Includes references. (NAL Call No.: SF600.C82).

2619

Some implications of the welfare codes for designers and users of pig buildings.

Summers, D. Aberdeen : Scottish Farm Buildings Investigation Unit. Farm building progress. Apr 1984. Apr 1984. (76). p. 11-13. Includes references. (NAL Call No.: TH4911.F37).

2620

Some systems definitions and characteristics (Poultry, housing, cages, floors).

Hann, C.M.CTVSD. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1980. Paper presented at the Seminar in the EEC Programme of Coordination of Research on Animal Welfare, Luxembourg, March 11-13, 1980. v. 8. p. 239-258. (NAL Call No.: SF600.C82).

2621

Sow housing that suits the welfare lobby in Berkshire.

Low, B. Ipswich, Eng., Farming Press. Pig farming. Oct 1980. v. 28 (10). p. 38-39, 41-42. ill. (NAL Call No.: 46.8 P623).

2622

Space and equipment requirements for feeding in cattle housing.

Zappavigna, P.CTVSD. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1983. Paper presented at the Seminar on Farm Animal Housing and Welfare, Aberdeen, July 28-30, 1982. v. 24. p. 155-163. ill. Includes references. (NAL Call No.: SF600.C82).

2623

Space requirements for sows in confinement (Housing).

Baxter, M.R.CTVSD. Schwaller, C.E. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1983. Paper presented at the Seminar on Farm Animal Housing and Welfare, Aberdeen, July 28-30, 1982. v. 24. p. 181-195. ill. Includes references. (NAL Call

(STRUCTURES AND STRUCTURAL EQUIPMENT)

No.: SF600.C82).

2624

Space requirements in poultry (Behavior, housing).

Hughes, B.O. CTVSD. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1983. Paper presented at the Seminar on Farm Animal Housing and Welfare, Aberdeen, July 28-30, 1982. v. 24. p. 121-128. Includes references. (NAL Call No.: SF600.C82).

2625

Spacing behaviour of sheep in pens (Designing of sheep-holding pens).

Hutson, G.D. Amsterdam : Elsevier. Applied animal behaviour science. Mar 1984. v. 12 (1/2). p. 111-119. ill. Includes references. (NAL Call No.: QL750.A6).

2626

Spacing patterns of laying hens kept at different densities in battery cages.
CTVSD. Zayan, R. Doyen, J. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. Paper presented at the "Seminar on the Social Space for Domestic Animals," January 10-11, 1985, Brussels. 1985. v. 35. p. 37-70. Includes references. (NAL Call No.: DNAL SF600.C82).

2627

Spatial and social behavior of calves in reduced dry-lot space.
NICKA3. Kondo, S. Maruguchi, H.; Nishino, S. Tokyo : Nihon Chikusan Gakkai. Nihon Chikusan Gakkai ho = Japanese journal of zootechnical science. Nov 1984. v. 55 (11). p. 885-891. ill. Includes 23 references. (NAL Call No.: DNAL 49 N62).

2628

Spatial requirements and lying behaviour of cows in loose housing systems.
Metz, J.H. Wierenga, H.K. Darmstadt : Kuratorium fur Technik und Bauwesen in der Landwirtschaft, 1984? . Proceedings of the International Congress on Applied Ethology in Farm Animals, Kiel, 1984 / edited by J. Unshelm, G. van Putten and K. Zeeb ; sponsored by the Federal Ministry of Food, Agriculture and Forestry. p. 179-183. ill. Includes references. (NAL Call No.: DNAL SF756.7.I5 1984).

2629

Studies on behaviors of swine: nasal strength of swine.

Misaizdu, Y. Yamada, Y.; Mizuho, A. Tokyo, Japan : Japanese Society of Zootechnical Science, 1983. New strategies for improving animal production for human welfare : proceedings / the Fifth World Conference on Animal Production, August 14-19, 1983. v. 2 p. 819-820. Includes references. (NAL Call No.: DNAL SF5.W6 1983).

2630

A test of a free-access two-level pen for fattening pigs.

ANIPA. Fraser, D. Phillips, P.A.; Thompson, B.K. Neston, South Wirral, England : British Society of Animal Production. Animal production. Apr 1986. v. 42 (pt.2). p. 269-274. ill. Includes references. (NAL Call No.: DNAL 49 AN55).

2631

Tethered versus loose sows: ethological observations and measures of productivity. I. Ethological observations during pregnancy and farrowing (Housing, behavior).

Vestergaard, K. Hansen, L.L. Paris : Dept. de pathologie animale de l'Institut national de la recherche agronomique. Annales de recherches vétérinaires = Annals of veterinary research. 1984. Paper presented at the "CEC Workshop on Welfare of Confined Sows," May 26-27, 1983, Rennes, France. v. 15 (2). p. 245-256. ill. Includes references. (NAL Call No.: SF602.A5).

2632

Tethered versus loose sows: ethological observations and measures of productivity. II. Production results (Restricted housing).

Hansen, L.L. Vestergaard, K. Paris : Dept. de pathologie animale de l'Institut national de la recherche agronomique. Annales de recherches vétérinaires = Annals of veterinary research. 1984. Paper presented at the "CEC Workshop on Welfare of Confined Sows," May 26-27, 1983, Rennes, France. v. 15 (2). p. 185-191. Includes references. (NAL Call No.: SF602.A5).

2633

Traumatic injuries and foot diseases as related to housing systems.

Blom, J.Y. CTVSD. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1983. Paper presented at the Seminar on Farm Animal Housing and Welfare, Aberdeen, July 28-30, 1982. v. 24. p. 216-223. Includes references. (NAL Call No.: SF600.C82).

(STRUCTURES AND STRUCTURAL EQUIPMENT)

2634

Turning and walking by gilts in modified gestation crates.
JANSAG. McFarlane, J.M. Boe, K.E.; Curtis, S.E. Champaign, Ill. : American Society of Animal Science. Journal of animal science. Feb 1988. v. 66 (2). p. 326-333. ill. Includes references. (NAL Call No.: DNAL 49 J82).

2635

The use of an electronic monitoring device to record the effect of cow cubicle floor gradients on cow occupancy (Behavior).
Brooks, P.H. Parkins, P.; Dunn, G.; Sumner, J.; Francis, P.G. Amsterdam : Elsevier. Applied animal ethology. July 1983. v. 10 (4). p. 279-285. Includes references. (NAL Call No.: QL750.A6).

2636

Use of lambing cubicles and the behavior of ewes at parturition.
Gonyou, H.W.JANSA. Stookey, J.M. Champaign : American Society of Animal Science. Journal of animal science. Apr 1983. v. 56 (4). p. 787-791. ill. Includes references. (NAL Call No.: 49 J82).

2637

Variation in piglet weights: relationship to suckling behavior, parity number and farrowing crate design.
CNUNA. Fraser, D. Thompson, B.K. Ottawa : Agricultural Institute of Canada. Canadian journal of animal science. Mar 1986. v. 66 (1). p. 31-46. ill. Includes references. (NAL Call No.: DNAL 41.8 C163).

2638

Welfare and design (Animal housing).
Baxter, S.H.CTVSD. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1983. Paper presented at the Seminar on Farm Animal Housing and Welfare, Aberdeen, July 28-30, 1982. v. 24. p. 310-317. (NAL Call No.: SF600.C82).

2639

Welfare and the housing of the sow and suckling pigs.
Baxter, S.H.CTVSD. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1981. Paper presented at the Seminar in the EEC Programme of Coordination of Research on Animal Welfare, Brussels, November 25-26, 1980. v. 11. p. 276-315. ill. Includes references. (NAL Call No.: SF600.C82).

2640

Welfare, battery cage design and energy conservation (Chickens, USA).
Thorman, V.P. (Tunbridge Wells, Kent) : The Authority. Technical bulletin - The Eggs Authority. Oct 1982. Oct 1982. (14. p. 1-16. (NAL Call No.: SF490.T43).

2641

The welfare of confined sows: physiological, behavioural and production responses to contrasting housing systems and handler attitudes.
Barnett, J.L. Cronin, G.M.; Hemsworth, P.H.; Winfield, C.G. Paris : Dept. de pathologie animale de l'Institut national de la recherche agronomique. Annales de recherches veterinaires = Annals of veterinary research. 1984. Paper presented at the "CEC Workshop on Welfare of Confined Sows," May 26-27, 1983, Rennes, France. v. 15 (2). p. 217-226. ill. Includes references. (NAL Call No.: SF602.A5).

2642

Welfare of piglets in flatdeck-cages (Housing, environment).
Putten, G. vanCTVSD. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1981. Paper presented at the Seminar in the EEC Programme of Coordination of Research on Animal Welfare, Brussels, November 25-26, 1980. v. 11. p. 185-197. Includes references. (NAL Call No.: SF600.C82).

2643

Welfare requirements of handling facilities (Cattle, pigs, sheep).
Grandin, T.CTVSD. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1983. Paper presented at the Seminar on Farm Animal Housing and Welfare, Aberdeen, July 28-30, 1982 ~Literature review. v. 24. p. 137-149. ill. Includes references. (NAL Call No.: SF600.C82).

2644

The wellbeing of the caged hen--an evaluation based on the normal behaviour of fowls.
Vestergaard, K. Basel, Birkhauser Verlag. Tierhaltung. 1981. v. 12. p. 145-165. Includes 6 p. ref. (NAL Call No.: SF105.T5).

(STRUCTURES AND STRUCTURAL EQUIPMENT)

2645

Adjusted housing forms for laying hens (Battery cages, health, humane treatment, poultry, Netherlands). Dutch.

Kuit, A.R.BDWKA. Den Haag : Ministerie van Landbouw en Visserij. Bedrijfsontwikkeling. Jan 1983. v. 14 (1). p. 30-32. ill. (NAL Call No.: S11.B43).

2646

Animal welfare and protection of poultry industry (Housing types and conditions). Italian.
De Franceschi, D.RIAVB. Bologna : Edagricole. Rivista di avicoltura. May 1982. v. 51 (5). p. 27-30. ill. (NAL Call No.: 47.8 R523).

2647

Behavior biological and adaptation physiological aspects of slatted floor rearing of cattle and swine. GERMAN.
Braunschweig-Volkenrode Bundesforschungsanstalt fur Landwirtschaft 1979. Lectures of the "DFG-Kleinkonferenz" held March 23-24, 1979. 225 p. : ill. --. Includes bibliographies. (NAL Call No.: 18 L2353 sp. no.48).

2648

Behavior of B-6 broiler according to rearing density X m² of floor area (Chicks). Spanish.
Lopez, S. Escalante, A. Habana : Combinado Avicola Nacional. Revista cubana de ciencia avicola. Dec 1982. v. 9 (2). p. 153-159. Includes references. (NAL Call No.: SF481.R48).

2649

The behavior of cows in a lying box loose housing stable considering the functions of various areas. German.
Bockisch, Franz-Josef, 1956-. Giessen : Selbstverlag im Eigenvertrieb F. Bockisch, 1985. Thesis (doctoral)--Technische Universität München, 1985. Includes vita. 266 p. : ill. ; 21 cm. --. Bibliography: p. 204-213. (NAL Call No.: DNAL S760.G3F67 Nr.113).

2650

Behavior of cows of different genotypes in closed dairy units in a tied-down system. Hungarian.
Gere, T. Gyorkos, I.; Horvath, R.; Rado, G. Budapest : Hirlapkiadó Vallalat. Allattenyesztes es takarmanyozas = Animal breeding and feeding. 1983. v. 32 (1). p. 39-43. Includes references. (NAL Call No.: 49 AL57).

2651

Behaviour of cows in free box stall barn with limited access to the feeding area.
Winnicki, S. Jodłowski, J. Wrocław. Państwowe Wydawn. Naukowe. Roczniki naukowe zootechniki. Monografie i rozprawy. 1979. 1979. (14). p. 157-170. ill. 14 ref. (NAL Call No.: SF1.R63).

2652

Behaviour of dairy cows in free-stall barns. German.

Baehr, J. Schulte-Coerne, H.; Pabst, K.; Gravert, H.O. Stuttgart, W. Ger. : Eugen Ulmer. Zuchungskunde. Mar/June 1984. v. 56 (2/3). p. 127-138. ill. Includes references. (NAL Call No.: 49 Z8).

2653

The behaviour of hens influenced by different rearing and housing systems. German.
Folsch, D.W. Basel, Birkhäuser Verlag. Tierhaltung. 1981. v. 12. p. 9-114. ill. Includes 5 p. ref. (NAL Call No.: SF105.T5).

2654

Behaviour of milk cows in great-capacity tying-type housing. Slovak.
Vavak, V.POLNA. Bratislava : Slovenskej akademie vied. Pol'nohospodarstvo = Agriculture. 1983. v. 29 (2). p. 163-170. Includes references. (NAL Call No.: 19.5 P752).

2655

Behaviour of sows during farrowing and according to the type of pens. Romanian.
Dinu, I. Bucuresti. Ministerul Educatiei si Invatamintului, Institutul Agronomic "Nicolae Balcescu". Lucrari stiintifice. Seria D: Zootehnie. 1980 (pub. 1981). v. 23. p. 19-23. Includes 5 ref. (NAL Call No.: SF15.R8I52).

2656

Buying behavior of the consumer in the decision between eggs produced on the floor or in cages. German.

Haris, J. Gschwindt-Ensinger, B. Stuttgart, W. Ger. : Eugen Ulmer. Archiv für Geflügelkunde = European poultry science = Revue de science avicole européenne. Oct 1982. v. 46 (5). p. 210-217. Includes references. (NAL Call No.: 47.8 AR2).

(STRUCTURES AND STRUCTURAL EQUIPMENT)

2657

Comparative investigations into the well-being of fattening pigs. Dutch.
TIDIA. Ruiterkamp, W.A. Utrecht : Nederlandse Maatschappij voor Diergeneeskunde. Tijdschrift voor diergeneeskunde. June 1, 1986. v. 111 (11). p. 520-528. Includes 20 references. (NAL Call No.: DNAL 41.8 T431).

2658

Considering the behavior of animals (Design of an experimental obstetric department for cows). Russian.
Tokarev, N.ZHIVA. Moskva : Izdatel'stvo "Kolos". Zhivotnovodstvo. Oct 1981. Oct 1981. (10). p. 24-26. ill. (NAL Call No.: 49 Z6).

2659

Effect of plastic finish of bedding on the behaviour of pregnant sows and the attrition of hoof horny sole. Polish.
RNZOD. Pilarczyk, A. Mroz, A. Warszawa : Panstwowe Wydawn. Rolnicze i Lesne. Roczniki naukowe zootechniki = Polish journal of animal science and technology. 1984. v. 11 (1). p. 185-193. Includes references. (NAL Call No.: DNAL SF1.R6).

2660

Effect of restricted space and diverse microclimatic conditions on the behaviour and productivity of broiler chickens (Housing). Polish.
Herbut, E. Wezyk, S. Krakow : Zaklad Narodowy im. Ossolinskich. Acta agraria et silvestria. Series zootechnica. 1982. v. 21. p. 3-10. Includes references. (NAL Call No.: 49 AC8).

2661

Effect of slatted floors on the behavior of fattened lambs. Slovak.
ZIVYA. Kuran, J. Piko, P.; Knazovicky, F. Praha : Ustav. Zivocisna výroba - Československa akademie zemědělská, Ustav vedeckotechnických informací pro zemědělství. June 1985. v. 30 (6). p. 565-572. Includes references. (NAL Call No.: DNAL 49.9 C33).

2662

Effects of heating with a lightless ceramic heater on rearing and behaviour of suckling piglets. Polish.
Pilarczyk, A. Jenike, R.; Rojek, K. Warszawa : Panstwowe Wydawn. Rolnicze i Lesne. Roczniki naukowe zootechniki = Polish journal of animal science and technology. 1982. v. 9 (1). p. 333-345. Includes references. (NAL Call No.: SF1.R6).

2663

First impression of the influence of light on the welfare of swine for slaughter (Health, housing, Netherlands). Dutch.
Putten, G. van. Elshof, W.J. Den Haag : Ministerie van Landbouw en Visserij. Bedrijfsontwikkeling. Feb 1983. v. 14 (2). p. 139-142. (NAL Call No.: S11.B43).

2664

Good environments for cows (Behavior, housing). French.
Maton, A. Paris : Compagnie générale de développement. L'Elevage bovin. Mar 1984. Mar 1984. (137). p. 55-58. ill. (NAL Call No.: SF1.E42).

2665

Investigations on the behavior of normal and dw (dwarf)-chicken in open-field and individual cages regarding to growing capacity and feed conversion. French.
El-Attar, M. Merat, P.; Bordas, A. Stuttgart, W. Ger. : Eugen Ulmer. Archiv für Geflügelkunde = European poultry science = Revue de science avicole européenne. June 1983. v. 47 (3). p. 90-95. Includes references. (NAL Call No.: 47.8 AR2).

2666

More cows in relation to the number of stalls for behavior observations. Polish.
Winnicki, S. Karkoszka, J.A.; Stadnicki, T. Wrocław : Panstwowe Wydawn. Naukowe. Roczniki naukowe zootechniki. Monografie i rozprawy. 1983. 1983. (21). p. 3-16. ill. Includes references. (NAL Call No.: SF1.R63).

2667

Research on the effect of different illumination colors of buildings on the behaviour and production of the pigs. Hungarian.
Miklai, F. Kaltenecker, J. Budapest : Hirlapkiado Vallalat. Tudomány és mezőgazdaság. Sept/Oct 1982. v. 20 (5). p. 43-50. Includes references. (NAL Call No.: S560.T8).

2668

Resting behavior and other activities of calves fattened in modern systems of maintenance (Fattening performance, housing). German.
Reissig-Berner, F. Bogner, H.; Hinrichsen, J.K.; Averdunk, G.; Peschke, W.; Fusseeder, J. München, BLV Verlagsgesellschaft. Bayerisches landwirtschaftliches Jahrbuch. 1982. v. 59 (1). p. 30-73. ill. 1 p. ref. (NAL Call No.: 18 L24).

(STRUCTURES AND STRUCTURAL EQUIPMENT)

2669

Stable climate and behavior in baby pigs.

DANISH.

Feenstra, A. Kobenhavn, Danmarks

Jordbrugsvidenskabelige Kandidatforbund.

Ugeskrift for jordbrug. Nov 22, 1979. v. 124

(47). p. 1129, 1131-1133, 1135. ill. 4 ref.

(NAL Call No.: S11.U35).

2670

Studies on the influence of two kinds of cleft floors on the behavior of calves and hoof horn detrition. Polish.

Winnicki, S. MDWTA. Suess, M.; Koller, G.

Warszawa : Panstwowe wydawnictwo rolnicze i

lesne. Medycyna weterynaryjna. Apr 1983. v. 39 (4). p. 251-253. ill. Includes references. (NAL Call No.: 41.8 M463).

2671

Swine-housing--rational and humane.

Hofmeier, G. Frankfurt am Main, DLG-Verlag.

DLG-Mitteilungen - Deutsche

Landwirtschafts-Gesellschaft. June 4, 1981. v. 96 (11). p. 592-594, 596-597. ill. (NAL Call No.: 18 N39).

2672

Welfare-improving housing systems for weaned piglets (Costs, health, humane treatment, Netherlands). Dutch.

Bure, R.G.BDWKA. Den Haag : Ministerie van Landbouw en Visserij. Bedrijfsontwikkeling. Jan 1983. v. 14 (1). p. 36-38. ill. (NAL Call No.: S11.B43).

2673

Welfare of breeding sows in different housing systems (Health, humane treatment, Netherlands). Dutch.

Koning, R.BDWKA. Den Haag : Ministerie van Landbouw en Visserij. Bedrijfsontwikkeling. Jan 1983. v. 14 (1). p. 38-40. (NAL Call No.: S11.B43).

2674

Welfare of pregnant sows in the practice (Health, housing). Dutch.

Koning, R. de. Den Haag : Ministerie van Landbouw en Visserij. Bedrijfsontwikkeling. Feb 1983. v. 14 (2). p. 137-139. (NAL Call No.: S11.B43).

FARM EQUIPMENT

2675

The ability of the pig to use a nose valve drinking system (Behavior, equipment, learning, liveweight gains, Sweden). Olsson, O. Stockholm : Scandinavian Association of Agricultural Scientists. *Acta agriculturae scandinavica*. 1983. v. 33 (2). p. 161-169. ill. Includes references. (NAL Call No.: 11 AC82).

2676

Behavior of cows using magnetic feeder. Moore, C.L. Springfield. *Transactions Illinois State Academy of Science*. 1978. v. 71 (1). p. 62-71. ill. 2 ref. (NAL Call No.: 500 IL6).

2677

Behaviour of group-housed sows using an electronic individual feeding system. Edwards, S.A. Armsby, A.W.; Large, J.W. Darmstadt : Kuratorium fur Technik und Bauwesen in der Landwirtschaft, 1984? . Proceedings of the International Congress on Applied Ethology in Farm Animals, Kiel, 1984 / edited by J. Unshelm, G. van Putten and K. Zeeb ; sponsored by the Federal Ministry of Food, Agriculture and Forestry. p. 222-235. Includes references. (NAL Call No.: DNAL SF756.7.I5 1984).

2678

Drinking behaviour of broiler chicks (in relation to future design of improved watering equipment). Ross, P.A. Hurnik, J.F. Amsterdam : Elsevier. *Applied animal ethology*. Sept 1983. v. 11 (1). p. 25-31. ill. Includes references. (NAL Call No.: QL750.A6).

2679

Effects of technical features on welfare. 1. Need for improvement in construction of cages (Poultry).

Tauson, R. Denmark, W.P.S.A., Danish Branch. *Proceedings ... European Symposium on Poultry Welfare*. 1981. 1981. (1st). p. 65-74. ill. Includes 21 ref. (NAL Call No.: HD9437.E9).

2680

Electrical current sensitivity of growing/fishing swine for drinking. TAAEA. Gustafson, R.J. Appleman, R.D.; Brennan, T.M. St. Joseph, Mich. : The Society. *Transactions of the ASAE - American Society of Agricultural Engineers*. Mar/Apr 1986. v. 29 (2). p. 592-596, 600. Includes 6 references. (NAL Call No.: DNAL 290.9 AM32T).

2681

Field study of food pan design and eating behaviour of young meat chickens. BPOSA. Murphy, L.B. Preston, A.P. Oxfordshire : Carfax Publishing Company. *British poultry science*. Sept 1988. v. 29 (3). p. 653-663. ill. Includes references. (NAL Call No.: DNAL 47.8 B77).

2682

Loading ramps and ground handling systems for swine. Grandin, T. Fort Washington, Md. : The Animal Air Transportation Association. *Proceedings of the ... International Conference of the Animal Air Transportation Association*. Oct 26/29, 1982. (8th). p. 56-59. ill. Includes references. (NAL Call No.: DNAL TL720.7.A5).

2683

Safety considerations for automatic milking systems. JAERA. Ordolff, D. London : Academic Press. *Journal of agricultural engineering research*. Oct 1987. v. 38 (2). p. 91-98. ill. Includes references. (NAL Call No.: DNAL 58.8 J82).

2684

Social and feeding behaviour of dairy cows at computerized feeders related to physiological and productive traits. Carenzi, C. Verga, M.; Galifiati, F.; Canali, E.; Smadelli, E. Darmstadt : Kuratorium fur Technik und Bauwesen in der Landwirtschaft, 1984? . Proceedings of the International Congress on Applied Ethology in Farm Animals, Kiel, 1984 / edited by J. Unshelm, G. van Putten and K. Zeeb ; sponsored by the Federal Ministry of Food, Agriculture and Forestry. p. 126-130. ill. Includes references. (NAL Call No.: DNAL SF756.7.I5 1984).

2685

Adaptive behaviour, feed consumption and milk production by milking cows fed from Alfa-Feed automatic dispenser. Hungarian. Pojtnar, M. Szucs, E.; Biro, I.; Minczinger, L. Budapest : Hirlapkiado Vallalat. Allattenyeszes es takarmanyozas = Animal breeding and feeding. 1982. v. 31 (6). p. 513-519. ill. Includes references. (NAL Call No.: 49 AL57).

(FARM EQUIPMENT)

2686

Effect of milking techniques "in pen" on the daily regimen and behavior of dairy cows.

Czech.

SVSBD. Navratil, J. Veris, J.; Jisa, J.; Jirak, J.; Vostrel, F. Praha : Vysoka Skola Zemedelska. Sbornik. Rada B: Zivocisna vyroba - Prague, Vysoka skola zemedelska, Fakulta agronomicka. 1985. (43). p. 157-171. ill. Includes references. (NAL Call No.: DNAL SF1.P7).

2687

Ethological aspects of milking cows on complexes (Effect of machinery on animal behavior). Belorussian.

Pliashchanka, S.I. Trafimau, A.F. Minsk : "Navuka i tekhnika". Vestsi Akademii nauk BSSR = Izvestiia Akademii nauk BSSR. Seriia sel'skokhoziaistvennykh nauk. 1982. 1982. (3). p. 101-104. (NAL Call No.: 20 M66).

NATURAL RESOURCES

2688

The American Humane Association (AHA): position on wild horse management.

White, D.J. Lake Elsinore, Calif. : William E. Jones, DVM. Journal of equine veterinary science. Paper presented at the "Wild Mustang Ecology Symposium," May 1986, Bishop, California. 1986. v. 6 (5). p. 276-277. (NAL Call No.: DNAL SF951.J65).

Peek, P.D. Dalke, editors). p. 327-331. 12 ref. (NAL Call No.: SF84.84.W5 1981).

2689

Behaviour and daily activity rhythm of European bison in winter (*Bison bonasus*).

Cabon-Raczynska, K. Krasinska, M.; Krasinski, Z. Warszawa : Polish Scientific Publishers. Acta theriologica. Aug 1983. v. 28 (9/20). p. 273-299. Includes references. (NAL Call No.: 410 AC88).

2694

Study of morphology, distribution, population, behaviour, food and habitat of Punjab Urial (*Ovis orientalis punjabensis*), in Salt Range and Kala Chitta Range, Punjab, Pakistan / Z.B. Mirza.

Mirza, Z. B. Islamabad? : Pakistan Museum of Natural History, 1980? . Cover title.~ With: Distribution, status, habitat and food of the Urial (*Ovis orientalis punjabensis*) in the Punjab / Z.B. Mirza... et al. ; Census of Sind Ibex (*Capra hircus blythii*) and Gud (*Ovis orientalis blanfordi*) and some estimate of population of Chinkara (*Gazella gazella*) in Kirthar National Park and Sumbak Game Reserve, Sind. 30, 8, 3 leaves : ill., maps ; 34 cm. (NAL Call No.: DNAL QL737.U53M5).

2690

Changes in mallard hen and brood behaviors in response to methyl parathion-induced illness of ducklings.

ETOCDK. Fairbrother, A. Meyers, S.M.; Bennett, R.S. Elmsford, N.Y. : Pergamon Press. Environmental toxicology and chemistry. 1988. v. 7 (6). p. 499-503. Includes references. (NAL Call No.: DNAL QH545.A1E58).

2691

Congress funds the removal of 10,000 wild horses in 1988.

Gaspar, R.J. Denver, Colo. : American Humane Association, Animal Protection Division. Advocate. Winter 1988. v. 6. p. 10-11. ill.

(NAL Call No.: DNAL HV4701.A35).

2692

Diet, feeding behaviour and food intake of the upland goose (*Chloephaga picta*) and ruddy-headed goose (*Chloephaga rubidiceps*) in the Falkland Islands (*Poa annua* and *Poa pratensis*).

Summers, R.W. JAPEA. Grieve, A. Oxford : Blackwell Scientific. Journal of applied ecology. Dec 1982. v. 19 (3). p. 783-804. map. 2 p. ref. (NAL Call No.: 410 J828).

2693

Sheep behavior: a tool for creating target lambs (Coyote control, predators).

Gluesing, E.A. Moscow, Idaho : Forest, Wildlife & Range Experiment Station, University of Idaho, 1982. Proceedings of the Wildlife-Livestock Relationships Symposium : held at Coeur d'Alene, Idaho, April 20-22, 1981 / sponsored by Department of Wildlife Resources, University of Idaho ; (James M.

CONSERVATION AND USE OF ENERGY

2695

Welfare, battery cage design and energy conservation (Chickens, USA).

Thorman, V.P. (Tunbridge Wells, Kent) : The Authority. Technical bulletin - The Eggs Authority. Oct 1982. Oct 1982. (14. p. 1-16. (NAL Call No.: SF490.T43).

BIOMASS ENERGY SOURCES

2696

Chemical and physical parameters of liquid
manure from swine confinement facilities:
health implications for workers, swine and the
environment.

Donham, K.J. Yeggy, J.; Dague, R.R. London :
Elsevier Applied Science Publishers.

Agricultural wastes. 1985. . v. 14 (2). p.
97-113. Includes references. (NAL Call No.:
DNAL TD930.A32).

FOOD SCIENCE, POULTRY

2697

Intensive animal production and animal welfare:
the present and the future (Policy, poultry
meat, eggs, meat, United Kingdom).

Graham, D.WPSJA. Perry, C. Aylesbury : World's
Poultry Science Association. World's poultry
science journal. June 1983. v. 39 (2). p.
99-105. Includes references. (NAL Call No.:
47.8 W89).

FOOD PROCESSING, LIVESTOCK

2698

Electrical stunning of lambs: the effect of stunning parameters and drugs affecting blood flow and behavior on petechial hemorrhage incidence (New Zealand).

Devine, C.E. Gilbert, K.V.; Ellery, S. London, Eng. : Applied Science Publishers. Meat science. 1983. v. 9 (4). p. 247-256. Includes references. (NAL Call No.: TX373.M4).

2699

Marketing losses during the preslaughter handling of pigs.

UAABB. Warriss, P.D. Lister, D. Edmonton : The Faculty. Agriculture & forestry bulletin - Alberta University. Faculty of Extension. June 15, 1984. p. 10-12. ill. (NAL Call No.: DNAL 101 AL1A).

2700

Prevention of dark-cutting (DED) beef in penned bulls at the abattoir.

MESCD. Bartos, L. Franc, C.; Albiston, G.; Beber, K. Essex : Elsevier Applied Science Publishers. Meat science. 1988. v. 22 (3). p. 213-220. Includes references. (NAL Call No.: DNAL TX373.M4).

FOOD COMPOSITION, DAIRY

2701

Ingestive behaviour of lactation buffaloes kept
under loose housing system.

IUDSA. Thind, J.S. Gill, R.S. New Delhi :
Indian Dairy Association. The Indian journal of
dairy science. Mar 1986. v. 29, i.e.39 (1). p.
41-46. Includes references. (NAL Call No.: DNAL
44.8 IN28).

FOOD COMPOSITION, LIVESTOCK

2702

An assessment of carbon dioxide stunning in pigs.

VETRAX. Gregory, N.G. Moss, B.W.; Leeson, R.H. London : British Veterinary Association. The Veterinary record. Nov 28, 1987. v. 121 (22). p. 517-518. Includes references. (NAL Call No.: DNAL 41.8 V641).

2703

The behavior of young Friesian bulls during social re-grouping at an abattoir. Influence of an overhead electrified wire grid.

Kenny, F.J. Tarrant, P.V. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. Oct 1987. v. 18 (3/4). p. 233-246. Includes references. (NAL Call No.: DNAL QL750.A6).

2704

Behaviour and abomasal damage in individual veal calves.

Wiepkema, P.R. Hellemond, K.K. van; Roessingh, P.; Romberg, H. Amsterdam : Elsevier Science Publishers B.V. Applied animal behaviour science. Oct 1987. v. 18 (3/4). p. 257-268. ill. Includes references. (NAL Call No.: DNAL QL750.A6).

2705

The behaviour and blood profile of bulls which produce dark cutting meat.

JSFAA. Warris, P.D. Oxford, Eng. : Blackwell Scientific Publications. Journal of the science of food and agriculture. Aug 1984. v. 35 (8). p. 863-868. ill. Includes 9 references. (NAL Call No.: DNAL 382 S012).

2706

Effect of social and environmental factors on performance in gilts, barrows and boars (Growth rate, feed efficiency, carcass quality).
Hagelso, A.M.C.TVSD. Hansen, L.L. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1983. Paper presented at the Seminar on Indicators Relevant to Farm Animal Welfare, Mariensee, 9-10 November 1982. v. 23. p. 109-115. Includes references. (NAL Call No.: SF600.C82).

2707

The effects of two shipping treatments on the carcass characteristics of bulls implanted with zeranol and unimplanted steers.

JANSAG. Jones, S.D.M. Newman, J.A.; Tong, A.K.W.; Martin, A.H.; Robertson, W.M. Champaign, Ill. : American Society of Animal Science. Journal of animal science. June 1986.

v. 62 (6). p. 1602-1608. Includes references. (NAL Call No.: DNAL 49 J82).

2708

Hog psychology: an aid in handling.

Grandin, T. Santa Barbara, Calif. : Veterinary Practice Publishing Company. Agri-Practice. Fall 1988. v. 9 (4). p. 20-26. ill. Includes references. (NAL Call No.: DNAL SF601.B6).

2709

Implanting young bulls with zeranol from birth to four slaughter ages. I. Live measurements, behavior, masculinity and carcass characteristics.

JANSAG. Unruh, J.A. Gray, D.G.; Dikeman, M.E. Champaign, Ill. : American Society of Animal Science. Journal of animal science. Feb 1986. v. 62 (2). p. 279-289. Includes references. (NAL Call No.: DNAL 49 J82).

2710

Influence of preslaughter behaviour on meat quality--use of an overhead electrified grid to modify behaviour of young bulls in lairage at the abattoir.

Kenny, F.J. Tarrant, P.V. Darmstadt : Kuratorium fur Technik und Bauwesen in der Landwirtschaft, 1984? . Proceedings of the International Congress on Applied Ethology in Farm Animals, Kiel, 1984 / edited by J. Unshelm, G. van Putten and K. Zeeb ; sponsored by the Federal Ministry of Food, Agriculture and Forestry. p. 189-192. Includes references. (NAL Call No.: DNAL SF756.7.I5 1984).

2711

A note on the effect of mixed or segregated penning of boars and gilts over the live-weight range 20 to 80 kg (kilograms) on performance, carcass characteristics and behaviour.

Smith, W.C. Pearson, G.; Holmes, R.J. Harlow : Longman. Animal production. June 1984. v. 38 (pt.3). p. 503-506. Includes references. (NAL Call No.: 49 AN55).

2712

The physiological responses to fighting in pigs and the consequences for meat quality.

JSFAA. Warris, P.D. Brown, S.N. Oxford, Eng. : Blackwell Scientific Publications. Journal of the science of food and agriculture. Feb 1985. v. 36 (2). p. 87-92. ill. Includes 20 references. (NAL Call No.: DNAL 382 S012).

272

(FOOD COMPOSITION, LIVESTOCK)

2713

Prevention of dark-cutting (DED) beef in penned bulls at the abattoir.

MESCD. Bartos, L. Franc, C.; Albiston, G.; Beber, K. Essex : Elsevier Applied Science Publishers. Meat science. 1988. v. 22 (3). p. 213-220. Includes references. (NAL Call No.: DNAL TX373.M4).

2714

Effect of pre-slaughter treatment of slaughter animals on meat quality and weight losses of meat. Slovak.

VTERA. Siksa, J. Izak, S. Praha : Statni zemedelske nakladatelstvi. Veterinarstvi. 1984. v. 34 (7). p. 314-315. Includes references. (NAL Call No.: DNAL 41.8 V6439).

FOOD COMPOSITION, POULTRY

2715

Effect of cage and floor pen management on behavior, production, and physiological stress responses of laying hens.

POSCAL. Mench, J.A. Tienhoven, A. van; Marsh, J.A.; McCormick, C.C.; Cunningham, D.L.; Baker, R.C. Champaign, Ill. : Poultry Science Association. *Poultry science*. June 1986. v. 65 (6). p. 1058-1069. Includes references. (NAL Call No.: DNAL 47.8 AM33P).

2720

Buying behavior of the consumer in the decision between eggs produced on the floor or in cages. German.

Haris, J. Gschwindt-Ensinger, B. Stuttgart, W. Ger. : Eugen Ulmer. *Archiv fur Geflugelkunde = European poultry science = Revue de science avicole europeenne*. Oct 1982. v. 46 (5). p. 210-217. Includes references. (NAL Call No.: 47.8 AR2).

2716

Electrical stunning of poultry in view of animal welfare and meat production (Chickens, slaughtering).

Schutt-Abraham, I. CTVSD. Wormuth, H.J.; Fessel, J. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1983. Paper presented at the Seminar on Stunning of Animals for Slaughter, Zeist, Netherlands, October 13-15, 1982. v. 25. p. 187-196. Includes references. (NAL Call No.: SF600.C82).

2717

Production performance in laying hens kept under different housing conditions (Egg quality).

Wegner, R.M. CTVSD. The Hague : Martinus Nijhoff. Current topics in veterinary medicine and animal science. 1983. Paper presented at the Seminar on Indicators Relevant to Farm Animal Welfare, Mariensee, 9-10 November 1982. v. 23. p. 189-196. Includes references. (NAL Call No.: SF600.C82).

2718

Studies of the relationship between fear-related responses and production traits in Japanese quail (*Coturnix coturnix japonica*) bidirectional selected for dustbathing activity.

POSCAL. Gerken, M. Bamberg, H.; Petersen, J. Champaign, Ill. : Poultry Science Association. *Poultry science*. Oct 1988. v. 67 (10). p. 1363-1371. Includes references. (NAL Call No.: DNAL 47.8 AM33P).

2719

A summary of selected papers from the 1980 South Pacific Poultry Science Convention (Behavior, egg quality, poultry meat marketing).

Macindoe, R. Sydney, The Department. *Poultry notes - New South Wales*, Dept. of Agriculture. Jan 1981. Jan 1981. p. 3-8. (NAL Call No.: 47.9 N472).

FEED COMPOSITION

2721

The effects of the frequency of feeding concentrates on milk production and eating behaviour in Ayrshire dairy cows.
Gill, M.S. ANIPA. Castle, M.E. Harlow : Longman. Animal production. Feb 1983. v. 36 (pt.1). p. 79-85. Includes references. (NAL Call No.: 49 AN55).

2722

A note on the effects of various diets on the drinking behaviour of wether sheep.
Bass, J.M. ANIPA. Harlow : Longman. Animal production. Oct 1982. v. 35 (pt.2). p. 293-294. 5 ref. (NAL Call No.: 49 AN55).

2723

Productive behaviour of crossbred cows at different stages of a complete lactation under usual practice of feeding.
IJASA4. Nayak, J.B. Maitra, D.N. New Delhi : Indian Council of Agricultural Research. The Indian journal of animal sciences. Sept 1985. v. 55 (9). p. 828-831. Includes references. (NAL Call No.: DNAL 41.8 IN22).

2724

Self-selection by laying hens of diets differentiated by texture and color.
POSCAL. Summers, J.D. Leeson, S. Champaign, Ill. : Poultry Science Association. Poultry science. Feb 1985. v. 64 (2). p. 411-413. Includes references. (NAL Call No.: DNAL 47.8 AM33P).

2725

Supplementary feeding of forage to grazing dairy cows. 1. Offering hay to dairy cows at high and low stocking rates.
GSFCD. Phillips, C.J.C. Leaver, J.D. Oxford : Blackwell Scientific Publications. Grass and forage science. June 1985. v. 40 (2). p. 183-192. Includes references. (NAL Call No.: DNAL 60.19 B773).

2726

Supplementary feeding of forage to grazing dairy cows. 2. Offering grass silage in early and late season.
GSFCD. Phillips, C.J.C. Leaver, J.D. Oxford : Blackwell Scientific Publications. Grass and forage science. June 1985. v. 40 (2). p. 193-199. Includes references. (NAL Call No.: DNAL 60.19 B773).

2727

Variation among pregnant, non-lactating dairy cows in eating and ruminating behavior digestibility and voluntary intake of hay.
GSFCD. Harb, M.Y. Campling, R.C. Oxford : Blackwell Scientific Publications. Grass and forage science. Mar 1985. v. 40 (1). p. 109-111. Includes references. (NAL Call No.: DNAL 60.19 B773).

2728

Behavior of piglets in regard to fodder feed and preference to sour substances. Romanian.
Isar, M. RCAND. Isar, D. Bucuresti : Ministerul Agriculturii si Industriei Alimentare. Revista de cresterea animalelor. Feb 1983. v. 33 (2). p. 53-56. Includes references. (NAL Call No.: 49 P943).

2729

Changes in feeding behavior of laying hens with the rising environmental temperature. Japanese.
Tanaka, T. Hirosawa, T.; Yoshimoto, T.; Mimura, K. Chiba-shi : Japan Poultry Science Association. Japanese poultry science. Mar 1984. v. 21 (2). p. 82-88. ill. Includes references. (NAL Call No.: 47.8 N57).

2730

Feeding behavior of laying hens fed pellets, crumbles or mash feed. Japanese.
Tanaka, T. Yoshimoto, T.; Mimura, K. Tokyo : Nihon Chikusan Gakkai. Nihon Chikusan Gakkai ho = Japanese journal of zootechnical science. July 1983. v. 54 (7). p. 433-438. ill. Includes references. (NAL Call No.: 49 N62).

2731

Feeding of ducks according to their eating behavior. German.
TIZUA. Reiter, K. Berlin, E. Ger. : Akademie der Landwirtschaftswissenschaften der DDR. Tierzucht. Sept 1984. v. 38 (9). p. 402-403. ill. (NAL Call No.: DNAL 49 T443).

275

PHYSIOLOGY OF HUMAN NUTRITION

2732

Olfactory cues and pig agonistic behavior:
evidence for a submissive pheromone.
PHBHA. McGlone, J.J. Elmsford, N.Y. : Pergamon
Press. Physiology & behavior. Feb 1985. v. 34
(2). p. 195-198. Includes 13 references. (NAL
Call No.: DNAL QP1.P4).

DIET AND DIET RELATED DISEASES

2733

**Intravenous hypertonic saline injections and
drinking in domestic fowls.**

PHBHA. Yeomans, M.R. Savory, C.J. Elmsford,
N.Y. : Pergamon Press. Physiology & behavior.
1988. v. 42 (4). p. 307-312. Includes
references. (NAL Call No.: DNAL QP1.P4).

POLLUTION

2734

Chemical and physical parameters of liquid manure from swine confinement facilities: health implications for workers, swine and the environment.

Donham, K.J. Yeggy, J.; Dague, R.R. London : Elsevier Applied Science Publishers. Agricultural wastes. 1985. . v. 14 (2). p. 97-113. Includes references. (NAL Call No.: DNAL TD930.A32).

2735

Production rates of toxic gases from liquid swine manure: health implication for workers and animals in swine confinement buildings.

Donham, K.J. Yeggy, J.; Dague, R.R. London : Elsevier Applied Science Publishers. Biological wastes. 1988. v. 24 (3). p. 161-173. Includes references. (NAL Call No.: DNAL TD930.A32).

MATHEMATICS AND STATISTICS

2736

**Assessment of fear in adult laying hens:
correlational analysis of methods and measures.**
BPOSA. Jones, R.B. Oxfordshire : Carfax
Publishing Company. British poultry science.
June 1987. v. 28 (2). p. 319-326. Includes
references. (NAL Call No.: DNAL 47.8 B77).

2737

**Sampling strategies for clustered behavioural
elements of short duration.**
Jansen, J. Hoekstra, J.A. Amsterdam : Elsevier
Science Publishers B.V. Applied animal
behaviour science. May 1988. v. 19 (3/4). p.
315-319. Includes references. (NAL Call No.:
DNAL QL750.A6).

DOCUMENTATION

2738

A simple electronic device and computer interface system for monitoring chewing behavior of stall-fed ruminant animals.
JDSCAE. Luginbuhl, J.M. Pond, K.R.; Russ, J.C.; Burns, J.C. Champaign, Ill. : American Dairy Science Association. Journal of dairy science. June 1987. v. 70 (6). p. 1307-1312. ill. Includes references. (NAL Call No.: DNAL 44.8 J822).

2739

Social hierarchy and feeder access in a group of 20 sows using a computer-controlled feeder.
ANIPA. Hunter, E.J. Broom, D.M.; Edwards, S.A.; Sibly, R.M. S.l. : Durrant. Animal production. Aug 1988. v. 47 (pt.1). p. 139-148. Includes references. (NAL Call No.: DNAL 49 AN55).

LIFE SCIENCES

2740

Behaviour problems in horses /Susan McBane.
McBane, Susan. Newton Abbot : David & Charles,
1987. Includes index. 304 p. : ill. ; 24 cm.
(NAL Call No.: DNAL SF281.M32).

2741

Horse science.
U.S.D.A. Cooperative Extension Service. 1965.
This unit two horse manual has 14 sections on:
horse behavior, anatomy, genetics and
reproduction, digestive system, balanced
rations, health, sanitation, disease and
parasites. A glossary is included. Document
available from: Educational Aids, National 4-H
Council, 7100 Connecticut Avenue, Washington,
D.C. 20015. Publication intended for: Member,
Junior and Senior High Level. Leader's guide
available. Learning experience: Knowledge,
skills, practices. Decision making. 45 p. :
ill. (NAL Call No.: S533.F66D6). (NAL Call No.:
CO 201).

HUMAN MEDICINE, HEALTH AND SAFETY

2742

Production rates of toxic gases from liquid swine manure: health implication for workers and animals in swine confinement buildings.
Donham, K.J.; Yeggy, J.; Dague, R.R. London : Elsevier Applied Science Publishers. Biological wastes. 1988. v. 24 (3). p. 161-173. Includes references. (NAL Call No.: DNAL TD930.A32).

SOCIAL SCIENCES AND HUMANITIES

2743

Drinking cow's milk: the most intense man-animal bond.

Schwabe, C.W. Minneapolis, Minn. : Cent to Study Human-Animal Relat and Environ, Univ of Minnesota, 1984. The Pet connection : its influence on our health and quality of life / editors, Robert K. Anderson, Benjamin L. Hart, Lynette A. Hart. Paper presented at Proceedings of "Conference on the Human-Animal Bond," June 13-14, 1983, University of Minnesota, and June 17-18, 1983, University of California-Irvine. p. 50-57. Includes references. (NAL Call No.: DNAL SF411.5.P47).

2744

An equine practitioner's view of human-horse interrelationships.

Miller, R.M. Minneapolis, Minn.' : Cent to Study Human-Animal Relat and Environ, Univ of Minnesota, 1984. The Pet connection : its influence on our health and quality of life / editors, Robert K. Anderson, Benjamin L. Hart, Lynette A. Hart. Paper presented at Proceedings of "Conference on the Human-Animal Bond," June 13-14, 1983, University of Minnesota, and June 17-18, 1983, University of California-Irvine. p. 44-49. (NAL Call No.: DNAL SF411.5.P47).

2745

Report on the welfare of livestock when slaughtered by religious methods /Farm Animal Welfare Council.

London : H.M.S.O., 1985. 49 p. : ill. ; 25 cm.
Bibliography: p. 47-49. (NAL Call No.: DNAL TS1966.G7R46).

AUTHOR INDEX

- AAAHA. 232, 2103, 1888, 269, 1335, 1012, 1013, 83, 1870, 428, 1157, 293, 1502, 2503, 529, 427, 1153, 825
Aalund, O. 235, 2316
AASCA. 171
AAASHA. 693, 482
Abasiekong, S.F. 712, 1796, 2017
Abbas, H.K. 2107, 1891
Abbassy, M.M. 2441
Abe, H. 1609, 2179
Abou, F.H. 1471
Aboul-Naga, A.M. 525
Abric, J.L. 321
Abu-Zanat, M. 1877
Acharya, R.M. 779
Adam, J.L. 721
Adamek, J. 331, 1661
Adams, A.W. 268, 1313, 2530, 1799, 684, 2523, 2062
Adams, D.C. 485, 1798, 1950, 1559, 1836
Adb-Ellatif, M. 1471
Adeyemo, O. 505, 930, 1383
Adkisson, C.S. 1540
Adler, H.C. 772, 2540
Adrichem, P. W. M. van. 2022, 2230
AGEND. 701, 129
AGPGA. 493, 831
AQQSA. 467, 1678
AGREA. 486, 85, 1886
Aguilar C., J.A. 594
Aherne, F.X. 2464, 2466, 175, 892, 1830, 852, 2049, 1821
Ahmad, M.D. 432, 1280
Ahmed, Ahmed Khalil, -1950-. 1603
Ainsaar, L. 1751
Aire, T.A. 505, 930
AJAEA. 1367, 2149, 88, 1917, 93, 98, 1902
AJBSAM. 438, 2083
AJVRAH. 1119, 2424, 655
Akers, R.M. 766, 2030
Albaugh, R. 1054
Albiston, G. 2700, 2713
Albright, J. L. 99
Albright, J.L. 1077, 1874, 815, 515, 1875, 561, 2146, 844, 494, 1819, 121, 652
ALBVA. 1221, 1416
Alexander, G. 459, 1555, 1012, 1013, 211, 1014, 2142, 1338, 1069, 1150, 2166, 1537, 1542, 2313, 1126, 442, 1356, 443, 1357, 1543, 972, 2312, 1125, 1372, 866, 278, 1371
Alexander, G.I. 2212, 1783
Alexander, T.J. 521, 1103
Algiers, B. 817, 1812, 2543, 1682, 2483, 2396
Alhassan, W.S. 809, 2038
Alhusen, Hanns-Dieter. & Pork industry handbook. 193
Allen, W.M. 858, 2492
Altmann, D. 605
ALTZA. 2199, 1733, 1965, 1636, 465, 1968, 1650, 1612, 353, 1712, 1980, 1687, 2185, 1651
Amann, R.P. 522, 1106
Ames, L.R. 629
Amoss, M.S. Jr. 2341, 2137, 2605
Amoss, M.S., Jr. 478, 609
AMSCA. 2284, 2566
Amyot, E. 489, 802
ANBEA. 1175, 1236, 867, 2328, 1197, 1330, 1007, 882, 1539, 1408, 1442, 762, 1491, 1460, 790, 1358, 634, 2010, 1232
Anderson, D.M. 1316, 1530, 1945
Anderson, G.B. 504, 924
Anderson, G.W. 86, 1912, 1302
Anderson, J.F. 2462
Anderson, K.E. 268, 1313
Andersson, M. 2573, 1060, 176, 908, 877, 1826
Andreae, U. 470, 1688, 631, 2008, 1570, 1677
Andreev, I. 349
Andrew, R.U. 1023, 1127
Aneshansley, D.J. 907
ANIPA. 1398, 2739, 789, 2116, 1195, 240, 1188, 756, 144, 2242, 508, 1009, 1855, 2630, 2159, 1076, 2092, 552, 1187, 536, 2115, 1186, 1894, 757, 1800, 921, 2721, 1835, 1191, 2722, 1896, 1194, 1899, 1002, 519, 1100
ANRSD. 1817, 513, 1078
Antoniewicz, R.J. 273, 1345, 2508
ANVTA. 1563
Appleby, M.C. 508, 1009, 1855, 511, 1052, 1075, 969, 2565, 746, 853
Appleman, R.D. 677, 2502, 932, 931, 1837, 2680, 676, 2488
Arak, A. 1255
Araki, F. 670
Arave, C.W. 162, 838
Arbi, A. 917
ARCVBP. 2347, 1306, 1165
Arkes, J.G. 1431
Armsby, A.W. 698, 2677
Armstrong, R.H. 1867, 1027, 1863
Arnold-Meeks, C. 1531
Arnold, G.W. 88, 1917, 1443, 618, 392, 483, 705, 2227, 758, 1444, 1399, 1424, 954, 642, 971
Arp, S.C. 2461
ARTZA. 1675, 1975
Asa, C.S. 573, 1418, 572, 1417
Asai, T. 1595
Asai, Y. 1611, 1610
Ashby, B.H. 47, 122, 1788
Ashmawy, G.M. 525
Atroshi, F. 2117, 1202
Aumaitre, A. 2578, 2090
Australia. 1012, 1013
AUVJA. 2366, 2348, 2271, 821, 2544
AVDIA. 2455
Averdunk, G. 360, 1729, 2668
AVSCA7. 2423, 2451
Awadhiya, R.P. 813
AXVMA. 2480, 2454
Ayers, E.L. 1026, 1860, 1025
AZOOA. 681, 2522
Bacon, W.L. 558
Baehr, J. 1615, 2652
Baharin, K. 1032
Baile, C.A. 1802, 2026, 1803, 1906, 2132
Bailey, D.W. 733, 1441
Bailey, W. 18, 55, 2296
Bailey, W.A. 47, 122, 1788
Baker, A.E.M. 460, 1558

AUTHOR INDEX

- Baker, A.M. 927, 2070
 Baker, N. 742
 Baker, R.C. 158, 2715, 2546
 Bakhuis, W.L. 734
 Bakhuis, Walter Lewis. 399
 Bakker, H. 537, 1209
 Baldi, A. 447, 1400, 1926
 Baldwin, B.A. 906, 2064, 1224, 1226, 1211
 Baldwin, B.A.L Meese, G.B. 1385
 Ballarini, G. 2390, 1606
 Balnave, D. 2083
 Balph, D.F. 79, 1784
 Balthazart, J. 869
 Bamberg, H. 450, 2718, 1469
 Bankos, S. 1686
 Barbato, G.F. 942
 Barbura, T. 466, 2482, 364, 1995, 1746
 Barczewski, R.A. 993, 1844
 Bareham, J.R. 961, 2279, 1546, 2378
 Barkley, J.E. 2323
 Barnes, D.R. 1856, 1018
 Barnett, B.D. 222
 Barnett, J.L. 889, 2269, 604, 2002, 895, 875, 2059, 2267, 1089, 2094, 501, 911, 1062, 888, 1781, 2063, 180, 916, 2067, 179, 915, 2066, 1079, 517, 2093, 1087, 851, 2262, 2048, 2477, 1551, 2169, 2641, 1552, 871, 2467, 2266
 Bartos, L. 2713, 2700
 Baskerville, R.E. 73, 2385
 Bass, J.M. 1191, 1896, 2722
 Bate, L.A. 671, 549, 1300
 Bates, D.W. 2462
 Bateson, A. 71, 2383
 Bateson, P. 1123
 Bateson, P.P.G. 1176
 Bauston, G. 2293
 Bavassano, G.M. 183
 Baxter, J.R. 2348
 Baxter, M. 1412
 Baxter, M.R. 1068, 2577, 147, 1319, 2623, 217, 1059
 Baxter, S.H. 2639, 1547, 2638, 1545, 2021, 2528
 Baylis, J.R. 1116
 BDWKA. 2673, 2411, 43, 2672, 2410, 2645, 2387, 5, 2388, 359, 1723, 2405, 1691
 Beale, I.F. 93, 98, 1902
 Beane, W.L. 1884
 Beardsley, T. 263, 1296
 Beaver, B.V. 611, 773, 478, 609, 564
 Bebee, C.N. 2285
 Beber, K. 2713, 2700
 Becker, B. 2145, 2611
 Becker, B.A. 2072, 2557
 Becker, R. B._1892-. 1815
 BEHAA. 1452
 Beier, J.C. 2441
 Beilharz, R.G. 937, 518, 1096
 Bekaert, H. 2567, 2289, 2076
 Beliaev, V.I. 1574, 2174
 Bell, A.K. 2366
 Bell, F.R. 1785, 2011
 Bell, J.C. 156, 810
 Bell, R.W. 2268, 1182, 2113, 173, 872, 405
 Beneke, B. 2122, 1239
 Bengtsson, A.C. 2573, 1060
 Bengtsson, Anne-Charlotte. 2584
 Bengtsson, H. 634, 2010
 Benkov, M. 329, 1660, 1971, 1766, 1771, 372, 1770, 1697
 Bennett, L.L. 454, 2162, 1511
 Bennett, R.S. 94, 2690
 Benof, F.H. 452
 Berg, R.T. 1401, 131, 2489
 Bergenthal-Menzel-Severing, Ursula. 1725, 2406
 Berges, J.C. 313, 462, 1594
 BERLA. 42, 332
 Berndtson, W.E. 577
 Berner, H. 350, 2404
 Berry, P.L. 146, 2463
 Bertoncelj, M. 1721, 2195
 Bertram, J.M. 1429
 BESOD6. 765, 1216
 Bessarabov, Boris Filippovich. 354
 Bessei, W. 444, 1377, 918, 181, 2556, 471, 1692, 2189, 977, 951, 1693, 1641, 1159
 Beuving, G. 2031, 2414, 2032
 Beverlin, S.K. 1858
 Bhagwat, A.L. 902
 Bhattacharjee, S. 1034
 Bienfait, J.M. 279, 2360
 Bienfet, V. 1644, 2392
 Bigelow, J.A. 989
 Biggs, Walter Clark,. 1482
 Billing, A.E. 1495, 1494
 Bindon, B.M. 536, 2115, 127, 685, 480
 Biro, I. 1951, 2685, 1562
 Birrenkott, G.P. Jr. 2139
 Bisazza, A. 746
 Bistriceanu, Marian. 592
 BJNUAV. 1881, 2097
 Bjork, A. 868, 2055
 Bjork, A.K.K. 1195, 2116
 Blackmore, D.K. 154, 798, 191
 Blackshaw, A.W. 846, 166
 Blackshaw, J.K. 269, 1335, 846, 166, 1454, 2363, 704, 821, 2544, 24, 545, 2426, 800, 839, 2045, 2465, 939
 Blake, Henry N. 296
 Blecha, F. 196, 2563, 2281
 Blendinger, Wilhelm. 1718
 Blizno, V. 315, 1607
 Blohowiak, C.C. 453, 1510, 1360
 Blokhuis, H.J. 897, 735, 2532, 986, 207, 929, 1323, 1431
 Blom, J.Y. 934, 2633, 2504
 Blowey, R.W. 58, 2317
 Bluthe, R.M. 2112, 2324
 Boatfield, M.P. 2235, 2490
 Bockisch, Franz-Josef, 1956-. 1584, 2649
 Bodero, D.A.V. 166, 846
 Bodis, Mrs. L. 1635, 1964
 Boe, K.E. 2371, 1521, 2634
 Bogdan, A.T. 466, 2482
 Bogdan, Alexandru T. 592
 Bogner, H. 360, 1729, 2668, 1754
 Bohus, B. 2129, 2330, 1246
 Boissy, A. 881
 Boisteanu, A. 339, 1981, 307, 1952, 362, 2200, 1994
 Boisteanu, I. 339, 1981, 307, 1952, 362, 2200, 1994
 Bokma, S. 1373, 2150
 Bokori, J. 1715
 Bolduan, G. 1997, 1758
 Bolhuis, J.J. 1330, 880
 Bolter, Ulrike, 1955-. 2407, 1752
 Bond, J. 286, 1433
 Bond, James, 1923-. 900
 Bondariu, I. 2203, 1759
 Bonnette, E.D. 499, 2555
 Boon, C.R. 822, 834
 Booth, W.D. 1346
 BOPUDB. 695, 1203, 2331, 2597, 540, 251, 2577, 1068, 2252, 2541
 Bordas, A. 1698, 2192, 2665
 Borell, E. von. 1239, 2122

AUTHOR INDEX

- Borghese, A. 1601, 2177
 Borisova, L. 1697
 Borodulin, E. 2176, 1578
 Borodulin, E.N. 309, 2173, 1572
 Borrello, S. 1734
 Borsi, J. 2199, 1733, 1612
 Bortnovs'kyi, P.F. 314, 1598
 Boucque, C.V. 1823
 Bouissou, M.F. 881, 462, 313, 1594, 1637
 BOVPB. 2462
 Bowden, H.C. 2418
 Bozo, A. 353, 1712
 BPOSA. 930, 505, 2681, 1000, 1508, 712, 2017,
 1796, 241, 1208, 1853, 1006, 2079, 1179, 1327,
 1913, 830, 159, 2260, 641, 2736, 516, 1085,
 1876, 898, 985, 146, 2463, 715, 1263, 2601,
 702, 2226, 415, 1019, 2040, 2259, 490, 806, 746
 BPROD. 788, 729
 Brade, W. 2454, 2480
 Bradley, L.R. 1012, 1013, 211, 1014, 1542, 1543
 Brake, J. 487, 759
 Brantas, G.C. 1265, 1264, 1162
 Brazier, S.G. 2268
 Bremner, K.J. 687, 1792
 Brennan, A. 1127
 Brennan, R.G. 54, 2292
 Brennan, T.M. 677, 932, 931, 1837, 2680, 676,
 2488
 Brestenski, V. 1582
 Brestensky, V. 1642, 755, 143
 Brezuleanu, S. 339, 1981, 307, 1952, 362, 2200,
 1994
 Brighton, L. 1023
 Bristol, R.F. 273, 1345, 2508
 Britt, J.H. 532
 Broce, A.B. 2082, 2439, 1036
 Brogna, R.J. 190, 2071
 Brooks, P.H. 2635, 1526
 Broom, D.M. 2357, 1398, 2739, 632, 2217, 2009,
 970, 1536, 2376, 88, 1917, 1455, 2154, 1218,
 890
 Broucek, J. 1634
 Brown, D.E. 663, 2520
 Brown, D.R. 455
 Brown, M.F. 1236
 Brown, R.H. 382, 1049
 Brown, S.N. 2712, 1243
 Brunsvold, R.E. 659, 123
 Bryant, M.J. 1198, 2592, 757, 1800
 Buchenauer, D. 396, 692, 245, 1230, 1122
 Bueno, L. 1109
 Bunger, B. 1599, 1567
 Bunger, U. 2480, 2454
 Bure, R.G. 1088, 2580, 2000, 2487, 43, 2672,
 2410, 628, 2514, 638, 2012, 2515, 1717, 1989
 Burgstaller, G. 1973
 Burns, J.C. 2738, 1921
 Butler, P.J. 737
 Butrova, G.A. 1990, 2400, 2187
 Buvssse, F.X. 1823
 BVJOA. 920, 163, 2261, 51, 2052, 860, 2053,
 161, 836, 50, 859, 2051
 Cabanac, M. 1252, 2131
 Cabon-Raczynska, K. 679, 2689
 Cain, J.R. 2137, 2605, 2341, 39, 247, 1235
 Cain, M.F. 2419, 2257
 Callahan, C.J. 561, 2146
 Cameron, A.W.N. 1094, 547, 1287
 Campling, R.C. 2727, 1946
 Canali, E. 1415, 2684, 1379, 447, 1926, 1400
 Canart, B. 439, 1324, 2608, 1325
 Capatides, J.B. 1352
 Carbonaro, D.A. 534, 1178, 1893
 Carenzi, C. 1415, 2684, 1379, 718, 2018, 804
 Carey, J.B. 2530, 1799
 Cariolet, R. 601, 2001, 1306, 2347, 1171, 2590
 Carlisle, A.J. 146, 2463
 Carlson, G.P. 2469
 Carlstead, K. 1266, 2135
 Carlstead, M.K. 1092, 1878
 Carnevale, J. 988, 1841
 Carnevale, J.M. 1873
 Carson, K. 949, 948
 Carson, R.G. 1033
 Carter, D.J. 97, 1810
 Carter, E.D. 90, 1933, 1462
 Case, D.B. 1251
 Casteilla, L. 502, 178, 912
 Castle, M.E. 921, 1835, 2721, 1920, 1375
 Caudle, A. 1274, 1273, 2427
 Caudle, A.B. 1326, 2350
 CCUPA. 464, 1648
 Cerutti, F. 681, 2522
 Chaiyabutr, N. 582, 2167, 2453
 Chambers, A.R.M. 781, 1806
 Chamley, W.A. 520, 1101
 Chapple, R.S. 1134, 1887, 1133, 1797
 Chase, I.D. 1358
 Chaudhry, M.R. 432, 1280
 Chauvaux, G. 2392, 1644
 Chenoweth, P.J. 524, 1135
 Chenoweth, Peter J. 213, 1857
 Cherry, J.A. 419, 2081, 1868, 1884
 Chornyi, M.V. 1602, 2178
 Choudary, M.R. 616
 Choudary, Maddini Ramaiah.. 182, 919, 409
 Christenson, R. 2145, 2611
 Christenson, R.K. 2072, 2557
 Christensson, E. 868, 2055
 Christison, G.I. 2595, 1233, 1351, 2610
 Church, B.M. 836, 161
 Cicogna, M. 1708, 1986
 Clark, J.R. 173, 405, 872
 Clark, J.S.B. 2084
 Clark, L.K. 557
 Clay, C.M. 522, 1106
 Clayton, H.M. 575, 1436
 Clifton, P.G. 1023
 Cloud, H.A. 2502
 Clutter, A.C. 1481
 CNJNA. 2464, 2100, 2309, 538, 1229, 667, 2015,
 2521, 1220, 2120, 2602, 1267, 2470, 1167, 802,
 489, 2165, 2637, 1332, 549, 1300, 1351, 2610
 1900, 1199
 CNVJA. 236, 2318, 826, 2420
 Cocos, L. 339, 1981, 362, 2200, 1594
 Coe, B.L. 925, 410
 Coenen, A.M.L. 897
 Cohen-Adad, F. 2133
 Cole, D.J.A. 552
 Coleman, C.D. 603
 Coleman, S.W. 1859
 Collias, N.E. 1393
 Collier, G.H. 1845
 Collins, E.R. Jr. 499, 2555
 Collins, J.W. 220, 1064, 2456
 Collis, K.A. 913, 858, 2492, 823
 Condax, Kate Delano. 1058
 Connell, R. 2366
 Conrad, H.R. 1890
 Constantinescu, E. 466, 2482
 Cook, W.R. 2295, 1041, 2294, 1040, 1039
 Cooke, L. 486
 Copp, C.M. 913
 Corning, S. 2597, 2331
 Cottyn, B.G. 1823

AUTHOR INDEX

- Court, M.H. 2429, 1525, 1119, 2424
 Covalt-Dunning, D. 1461
 Crabtree, J.R. 68
 Craig, J.A. 2246
 Craig, J.V. 1003, 2569, 284, 2153, 2600, 1262, 401, 776, 885, 1828, 2061, 979, 982, 760, 148, 1801, 2246, 684, 2523, 1154, 497, 856, 414, 983, 2062, 1155, 902
 Craig, T.P. 414, 983
 Cramer, C.O. 123, 659
 Creel, S.R. 815
 Cregier, S.E. 64, 2344, 260, 800
 Crichton, J.S. 421
 Cromwell, G.L. 891, 174
 Cronin, G.M. 889, 2269, 604, 2002, 791, 1458, 1076, 2092, 851, 2048, 2262, 2477, 1551, 619, 2512, 1552, 2169, 2641, 519, 1100
 Crowe, T.M. 1309
 Crowell-Davis, S. 4, 1535, 1274, 1273
 Crowell-Davis, S.L. 1254, 1354, 1147, 1442, 1500, 1414, 1146, 1148, 1200, 988, 1841
 Crowell-Davis, Sharon L. 647
 Crowell-Davis, W. 1274, 1273
 CTVSD. 604, 2002, 717, 1252, 2131, 2346, 1305, 714, 2229, 632, 2009, 2217, 2472, 1246, 2129, 2330, 2056, 2265, 2074, 379, 2073, 964, 2564, 1121, 2583, 840, 2549, 1239, 2122, 874, 2058, 1412, 2616, 1411, 848, 167, 2550, 918, 181, 2556, 1439, 2626, 1425, 567, 1365, 1941, 1498, 2531, 531, 2110, 2620, 1265, 2606, 1281, 2589, 1163, 951, 640, 950, 2559, 1294, 2031, 2618, 1419, 1513, 955, 2639, 1547, 1067, 2576, 2361, 2617, 772, 2540, 628, 2514, 1553, 2642, 38, 2594, 137, 2533, 1204, 2118, 2593, 2035, 1142, 2315, 245, 1230, 727, 2023, 1245, 2128, 1084, 484, 713, 234, 2588, 102, 1545, 2638, 720, 2019, 2571, 1017, 1851, 2568, 218, 2572, 2495, 2570, 2633, 2504, 1329, 2609, 2623, 1102, 2581, 1854, 1008, 2622, 1931, 304, 2643, 1140, 2586, 1437, 2624, 2020, 2527, 941, 1381, 2615, 2121, 1522, 2164, 289, 1465, 2155, 639, 2516, 771, 2250, 2033, 1240, 2124, 217, 1059, 2528, 2021, 192, 2716, 28, 1527, 630, 2216, 2007, 631, 2008, 638, 2515, 2012, 606, 2003, 257, 2604, 2717, 2289, 2567, 2076, 279, 2360, 1328, 2351, 2241, 2534, 820, 2258, 1224, 863, 2706, 2054, 718, 2018, 225, 1108, 1455, 2154, 1217, 2111, 1177, 2614, 1378, 2032, 2414, 2112, 2324, 2151, 2359, 1278, 2339, 6, 116, 33, 2510, 2207, 857, 1822, 1823, 2104, 1144, 61, 2126, 1242, 1333, 2141, 36, 768, 530, 1170, 69, 2163, 1517
 Cullinan, A. 862
 Cumming, R.B. 614
 Cunningham, D.L. 177, 909, 187, 928, 805, 2036, 158, 2546, 2715, 264, 1299, 903, 1833, 281, 1923
 Cunningham, R.B. 1082, 1081, 1080
 Curfs, P.F. 5, 2388
 Curtis, S.E. 1272, 1521, 2634, 2371, 1929, 1427, 2362, 2286, 627, 2215, 740, 2413, 933, 2272, 2430, 2168, 622, 654, 2519, 287, 1434, 2121, 1453
 Curtis, Stanley E. 193
 Cuthbertson, G.J. 416, 1020
 Czako, J. 34, 764, 482, 693, 1635, 1964, 465, 1650, 1968, 1687, 1980, 1651, 2185, 1979
 Czako, Jozsef. 1590
 Czarniecki, C.S. 1318, 2140
 Czirjak, L. 1757
 D'Allaire, S. 557
 D'Hour, P. 867
 Daelemans, J. 488, 2538, 1067, 2576, 1768, 1588
 Dagorn, J. 492, 2547
 Dague, R.R. 2742, 2735, 2696, 2734
 Dallaire, A. 448, 1435, 1322, 965
 Dally, M.R. 1015, 1016, 660
 Dalton, D.C. 277, 1369
 Daly, C.C. 150, 2244, 149, 2243
 Dammrich, K. 2472
 Dancosse, J. 448, 1435
 Dando, P. 492, 2547
 Dannenmann, K. 396, 692
 Dannenmann, Karin.. 1652
 Dantzer, R. 601, 2001, 165, 845, 2046, 740, 2413, 1247, 2347, 1306, 1165, 672, 2224, 1171, 2590, 727, 2023, 1240, 2124, 2324, 2112, 2359, 2151, 1467, 2157, 774, 2034, 2270, 1643
 Daspurakayastha, P.C. 1343
 Dauncey, M.J. 2075, 2160
 DAVED. 2393, 1669
 David, I. 901, 1832
 Davidson, S. 1811
 Davis, D.L. 1154
 Dawkins, M. 23, 1277
 Dawkins, M.S. 263, 1296, 771, 2033, 2250, 2339, 1278
 Day, M.L. 1481
 Dayton, A.D. 414, 983
 De Franceschi, D. 1566, 2646
 De Lanerolle, N.C. 807
 De Lange, A. 543, 1261
 De Langen, H. 442, 1356, 443, 1357
 De Passille, A.M.B. 1220, 2120
 Dechamps, P. 439, 1324, 2608, 1325
 Dees, W.H. 2441
 Della-Fera, M.A. 2026, 1803
 Dellmeier, G.R. 750, 142, 2240, 843, 1818, 753, 2536, 2024, 2535
 Denbow, D.M. 1107, 2098, 650, 2518, 2014, 649, 2517, 2013
 Denholm, L.J. 2369
 DEPBA5. 1538, 880, 793
 Derenbach, J. 1483, 2158, 1774.
 Dermengi, B. 472
 Deshazer, J. 2611, 2145
 DeShazer, J.A. 234, 2588
 Deswysen, A. 1286
 Deswysen, A.G. 1922, 1376, 2152, 1115, 2101, 1885
 Devine, C.E. 2698
 Dewar, A.M. 851, 2048, 2262, 2477, 1551
 Dewasmes, G. 2133
 Diekman, M.A. 561, 2146
 Diepen, J.W.M. van. 1583
 Dikeman, M.E. 2709, 2089
 Dimitrova, P. 369, 1764, 371, 1769, 1589
 Dinu, I. 585, 2655, 1620, 1755
 Dixon, R. 1119, 2424
 Dodman, N.H. 1525, 2429, 1119, 2424
 Dodman, N.W. 109
 Dohy, J. 465, 1650, 1968, 1687, 1980
 Dolezal, O. 2183, 1967, 323, 2184
 Dombrowski, D. 663, 2520
 Donahoe, J. 2416
 Done-Currie, J.R. 922, 2068, 703
 Donham, K.J. 2742, 2735, 2696, 2734
 Doornbos, D.E. 1025, 1860
 Doreau, M. 1976
 Doyen, J. 1439, 2626, 1381, 2615
 Drewett, R.F. 1017, 2571
 Drugociu, G. 1759, 2203
 Duarte, F.A.M. 132, 726
 Dudzinski, M.L. 971
 Dufty, A. 1539
 Dunbar, M. 660
 Dunbar, R. 206

AUTHOR INDEX

- Duncan, I.J.H. 1175, 1236, 2328, 1197, 146, 2463, 1425, 2084, 746, 955, 2339, 1278, 1541, 626, 2006, 1160, 113, 1207
 Duncan, Ian J. H. 748
 Duncan, L.J.H. 2615, 1381, 639, 2516
 Duncan, P. 1214, 2119, 2431, 1004, 1509
 Dunn, G. 2635, 1526
 Dunn, G.C. 210, 1011, 1016
 Dunn, R.W. 1026
 Dunnington, E.A. 419, 2081, 1868, 942
 Duquette, P.F. 1892
 Dvorak, J. 1753, 476, 1695
 Dyck, G.W. 552
 Dyer, A.B. 1416
 Dzingaite, S. 2197, 1731
 Dzingaite, S.M. 2198
 Dziuk, P.J. 1063
 Eastham, P.R. 552
 Edens, F.W. 1001
 Edey, T. N. 481, 690
 Edey, T.N. 536, 2115, 127, 480, 685, 861
 Edwards, C.B.H. 1082, 1081, 1080
 Edwards, S.A. 2739, 1398, 698, 2677, 820, 694
 Eenaeme, C. van. 279, 2360
 Ehrlich, M. 95, 2422
 Ehrlein, H.J. 1286
 Eichinger, H.M. 61, 2126, 1242
 Eiserer, L.A. 883
 Ekesbo, I. 2617, 2361
 El Aich, A. 92, 1528, 214, 1044, 1871
 El Kaschab, S. 1756
 El-Attar, M. 2665, 2192, 1698
 El-Nakhla, S. 525
 Elbin, S.B. 1309
 Eljasiaik J. 1619
 Elkin, R.G. 797
 Ellendorff, F. 2614, 1378, 1172, 2591
 Ellery, S. 2698
 Ellis, W.C. 1376, 2152, 1922, 1115, 1885, 2101
 Elphick, G.R. 1043
 Elshof, W.J. 2395, 2663
 Elshof, W.Y. 2104, 1144
 Elton, R.A. 105, 1010
 Elwin, R.L. 1113, 738
 Emmans, G.C. 184
 Engelmann, C. 345, 1700
 English, P.R. 540, 251
 Entrekin, D.L. 2435
 Epley, Richard J. 2473
 EQVJA. 2416, 1407, 1550, 2471, 2238, 1244, 2127, 763
 Ernst, Lev Konstantinovich. 1591
 Escalante, A. 2648, 1580
 Esslemont, R.J. 433, 1285
 Etienne, M. 2553, 2057
 ETOCDK. 94, 2690
 Etter, H. 352, 1987
 Ewbank, R. 72, 30, 2384, 862, 51, 2052, 860, 2053, 675, 2016, 763, 50, 859, 2051, 2322, 1174
 Fabiansson, S. 2451, 2423
 Fabo, J. 2188, 1690
 Fabre, G. 321
 Fagen, J.W. 1352
 Fahy, V.A. 501, 911
 Fairbrother, A. 94, 2690
 Farid, A. 437, 551, 1308
 Farmer, C. 2610, 1351
 Faure, J.M. 1215
 Faure, J.M. 2337, 1268, 2603, 208, 987, 242, 1225, 2616, 1411, 977, 1513, 467, 1678, 468, 1679, 1514, 1222, 1161, 408, 914, 1649, 1670, 1750
 Favre, Y. 1954
 Fazekas, D. 1636, 1965
 Federer, G.D. 297, 1516, 2428
 Feenstra, A. 365, 1747, 2669
 Fell, L.R. 2143, 2475, 2366
 Ferreira, F.C. 473, 1991
 Fessel, J. 192, 2716
 Fiems, L.O. 1823
 Finch, V.A. 454, 2162, 1511
 Findlay, J.K. 1071
 Finke, K. 337, 1685, 2399
 Fiske, J.C. 651
 Fiske, Jeanna C.,. 2088
 Flack, I.H. 2493
 Flak, P. 477, 1777, 1573
 Fliegner, H. 396, 692
 Fliegner, Harald. 1564
 Floren, K. 248, 1237
 Florence, M.J. 1862, 1861
 Fochi, C. 1415
 Foenander, F. 1382
 Fokkema, D.S. 1246, 2129, 2330
 Foldager, J. 2447
 Folea, O. 339, 1981, 307, 1952, 362, 2200, 1994
 Folsch, D.W. 195, 2560, 2275, 950, 2559, 318, 1617, 2653
 Forbes, A.C. 575, 1436
 Forbes, J.M. 644
 Forbes, T.D.A. 1314, 91, 752, 1289, 1911
 Ford, J. 2611, 2145
 Ford, J.J. 2557, 2072
 Fordyce, G. 293, 2503, 1502
 Forrester, R.C. 1218
 Foster, J. 1949, 1557
 Foster, T.M. 715
 Fowler, D.G. 556, 1312, 528, 1152, 427, 529, 1153
 Fox, M.W. 2236, 2283, 2342, 200, 625, 884, 203, 201, 300, 2375
 Fox, Michael W.,. 975, 205, 2287
 Franc, C. 2700, 2713
 Franchina, J.J. 1416
 Francis-Smith, K. 1033
 Francis, P.G. 2635, 1526
 Fraser, A. F. 2449, 553, 2138
 Fraser, A.F. 59, 2320, 701, 129, 884
 Fraser, Andrew Ferguson. 100
 Fraser, D. 1484, 1267, 2602, 1167, 2470, 608, 2159, 2630, 643, 2165, 2637, 1350, 272, 1341, 910, 1834
 Fraser, T.J. 84, 1879
 Freeman, B.M. 2364, 2476, 2493
 Freitas, E.A.G. de. 473, 1991
 Friend, D.W. 1817
 Friend, T. 849, 2551
 Friend, T.H. 142, 750, 2240, 850, 169, 843, 1818, 1223, 753, 2536, 2024, 2535, 653, 1787, 47, 122, 1788
 Fujii, Y. 1610
 Fujita, M. 1707, 597, 1744
 Fujita, T. 2179, 1609
 Fukukawa, T. 1778
 Fulkerson, W.J. 425, 1099
 Fumiere, I. 1644, 2392
 Furniss, S.J. 920
 Fusseder, J. 360, 2668, 1729
 FVHFA. 1116
 Gaal, M. 1964, 1635, 1979
 Galanti, R. 413, 2494
 Galbraith, F. 1407
 Galfiati, F. 2684, 1379
 Gallup, G.G. 956
 Gallup, G.G. Jr. 1405
 Galton, D. 258, 2500

AUTHOR INDEX

- Gangwar, P.C. 512, 1070, 832, 404
 Gardiner, E.E. 2095, 1090, 2459, 702, 2226
 Garg, S.L. 1882, 2099
 Garnier, D.H. 516, 1085, 1876
 Gaskins, C.T. 1138, 1256
 Gaspar, R.J. 12, 2245, 2691
 Gauthier, J.Y. 1165
 Gbur, E.E. 753, 2536, 2024, 2535
 Geer, D. van de. 359, 1723, 2405
 Geers, R. 1035
 Geist, V. 2125, 1241
 Gentle, M.J. 2223, 828, 1065
 Gere, T. 1638, 461, 2650, 1585, 1965, 1636
 Gerken, M. 450, 2718, 1469
 Gilbert, K.V. 2698
 Gill, M.S. 921, 1835, 2721, 1920, 1375
 Gill, R.S. 2701, 1110
 Ginther, O.J. 544, 563, 546, 572, 1417
 Giordano, A.P. 1524
 Girardin, F. 321
 Gittins, S.P. 865, 1825
 Gjestang, K.E. 96, 1028, 1864
 Glade, M.J. 1409, 1410
 Glatzel, P. 456, 581
 Gleaves, E.W. 998, 1852
 Gleed, P.T. 913, 858, 2492
 Glencross, R.G. 433, 1285
 Gloor, P. 223, 2579, 2307
 Glover, John A., 656
 Gluesing, E.A. 1368, 2693, 2432, 79, 1784
 Gnanasakthy, A. 836, 161
 Goddard, M.E. 293, 1502, 2503
 Goedseels, V. 1035
 Goeijen, F. de. 805, 2036
 Goff, K. 662
 Goldfoot, D.A. 572, 1417
 Goldschmidt-Rothschild, B. von. 1384
 Golenkovich, E.K. 2481
 Gonyou, H.W. 833, 160, 1272, 1464, 870, 740,
 2413, 1359, 888, 2063, 1781, 1079, 1063, 2220,
 927, 2070, 876, 2554, 2060, 664, 271, 1340,
 801, 1809, 580, 2636, 1529
 Gonzalez Padilla, E. 593
 Goransson, L.A.T. 1195, 2116
 Gordon, D.J. 1199, 1900
 Gorewit, R.C. 907, 2108, 1166, 2140, 1318
 Gorinov, IA. 1714
 Gosztola, F. 353, 1712
 Gottlieb, G. 790, 1538, 793, 792, 794
 Gotz, M. 2276, 2561
 Gower, D.B. 1346
 Graf, B. 358, 1722
 Graham, D. 226, 1111, 2697
 Grandin, T. 1048, 2708, 112, 624, 48, 732, 111,
 623, 134, 2233, 62, 255, 2338, 56, 2682, 933,
 2272, 304, 2643, 250, 1248, 2585, 1139
 Grant, S.A. 1867, 91, 752
 Grassia, A. 1443, 1399, 954
 Grauvogl, A. 1122, 1604
 Gravas, L. 818, 1813
 Gravert, H.O. 2652, 1615
 Graves, H.B. 1404, 1309, 899, 1422, 1428, 285,
 1432, 648, 1395
 Gray, D.G. 2089, 2709
 Green, G.C. 1113
 Green, L. 882
 Greenwood, J.J.D. 105, 1010
 Greger, D.L. 778
 Gregory, N.G. 298, 2370, 117, 2219, 2702, 810,
 156, 163, 2261, 149, 2243
 Greppi, G. 1708, 1986
 Grewal, S.S. 170
 Grieve, A. 1808, 2692
 Griffith, G. R. 46, 115
 Griffith, G.R. 32, 157
 Grigoras, D. 307, 1952
 Griswold, J.G. 615
 Grommers, F.J. 359, 1723, 2405
 Gronqnet, J.F. 1579
 Groot, P.N. de. 479, 610, 391
 Gross, W.B. 2455, 138, 2237, 95, 2422, 1540
 Groth, W. 305
 Grovum, W.L. 2100, 2309
 Grudniewska, B. 1619
 Gschwindt-Ensinger, B. 471, 2189, 1692, 76,
 2656, 2720
 GSFCD. 84, 1879, 1487, 2726, 1938, 1486, 2725,
 1937, 1289, 1911, 2727, 1946, 1499, 1942
 Guba, S. 465, 1650, 1968, 1687, 1980
 Gupta, S.C. 1192, 1897
 Gurer, Cengiz. 2194
 Gustafson, R.J. 677, 2502, 932, 931, 1837,
 2680, 676, 2488
 Gvaryahu, G. 928, 187, 429, 1228
 Gyger, M. 1007
 Gyorkos, I. 1638, 461, 2650, 1585
 Haag, E. 646
 Hacker, R.R. 549, 1300
 Hagelso, A.M. 863, 2706, 2054
 Hagen, D. von dem. 2389
 Hagen, D.R. 521, 1103
 Hague, P. 458, 1534, 426, 1151, 1452, 449,
 1451, 999
 Hague, W.P. 457, 1533
 Hahn, G. 2611, 2145
 Hahn, G.L. 991, 1843, 2557, 2072, 234, 2588
 HAURA. 170
 Hale, C. 882
 Hamilton, S. 1556, 197, 1145, 1489
 Hammell, K.L. 1936, 1476
 Hanafi, H.A. 2441
 Hand, A.M. 871, 2266, 2467
 Hann, C.M. 2620
 Hannan, J. 2241, 2534
 Hanrahan, T.J. 1204, 2118, 2593
 Hansen, C. 895, 2094, 1089, 180, 916, 2067,
 179, 915, 2066, 1079, 517, 2093, 1087, 510,
 1047, 519, 1100
 Hansen, D.K. 1862, 1861
 Hansen, J.W. 2447
 Hansen, L.L. 579, 1504, 2631, 1505, 2632, 863,
 2054, 2706
 Hansen, R.M. 87, 1916
 Harb, M.Y. 2727, 1946
 Harinadhara, C. 496
 Haris, J. 76, 2656, 2720
 Harre, Rom. 795
 Harrington, G.N. 83, 1870
 Harris, P.S. 82, 1031
 Harrison, R.D. 548, 1298, 1430, 1930
 Harrison, Ruth. 204
 Hart, B.L. 1344, 665, 2448, 854, 2263
 Hart, R.H. 733, 1441
 Hartsock, T.G. 1220, 2120, 993, 1844, 287,
 1434, 957
 Hartwig, H.H. 689
 Harvey, P.H. 2119, 1214
 Harvey, T.L. 2436
 Haske-Cornelius, H. 1754
 Hata, H. 2179, 1609
 Hatakeyama, H. 1611, 1610
 Havenstein, G.B. 558
 Havstad, K.M. 1026, 1858, 1025, 1860
 Hawke, M. 86
 Hay, L.A. 575, 1436
 Hayasaka, K. 1778

AUTHOR INDEX

- Hayashi, K. 590, 1985
 Hearst, E. 1374
 Heath, E. 1383
 Heath, M.E. 2050
 Hecker, J.F. 703
 Heckt, W.L. 1272
 Hedges, D.A. 1097
 Heffner, H.E. 1042
 Heffner, R.S. 1042
 Heger, William J., Mrs. & Pork industry handbook. 2473
 Heil, G. 418, 1022
 Heinrichs, A.J. 2077, 1840, 1890
 Heird, J.C. 2268, 1182, 2113
 Heitschmidt, R. 1861
 Hei, W. van der. 1076, 2092
 Hellemond, K.K. van. 678, 124, 2704
 Helmer, S.D. 532
 Hembree, D.J. 2062
 Hemsworth, P.H. 889, 2269, 895, 875, 2059, 2267, 1089, 2094, 501, 911, 1062, 888, 2063, 1781, 916, 180, 2067, 915, 179, 2066, 1079, 1063, 517, 2093, 1087, 565, 1362, 851, 2262, 2048, 1552, 2641, 2169, 510, 1047, 871, 2467, 2266, 519, 1100, 598, 366, 1749, 229, 1137, 520, 1101, 518, 1096, 1071
 Heneson, N. 276, 2445
 Henke Drenkard, D.V. 1166, 2108
 Hennessy, D.W. 1869
 Hennig, A. 1984, 2191
 Henry, J.P. 1240, 2124, 2359, 2151
 Herbut, E. 327, 2660, 1656
 Herd, R.M. 292, 1497
 Hermann, E. 530, 1170
 Herrera, A. 2205, 1762
 Herriman, I.D. 548, 1298
 Heshmat, H.A. 527
 Hess, C.E. 1428
 Hess, E.H. 1073
 Hesse, E. 1216
 Heuwieser, W. 587, 1662
 Hidari, H. 1710
 Hill, J.A. 2606, 1281
 Hinch, G.N. 240, 1188, 738, 1231, 1899, 1194, 1445, 861, 1392
 Hinds, F.C. 663, 2520
 Hines, R.H. 885, 1828, 2061
 Hinojosa C., J.A. 594
 Hinrichsen, J.K. 1608, 360, 2668, 1729
 Hintaus, J. 1705
 Hintz, H.F. 1420
 Hiroswa, T. 1961, 2729, 1626
 Hirose, Y. 335
 Hladky, V. 1686
 Hobroh, B. 248, 1237
 Hockman, D.D. 1824
 Hodder, R.M. 1082, 1081, 1080
 Hodgkiss, J.P. 1880, 1104
 Hodgson, J. 1173, 1867, 91, 752, 1027, 1863, 1289, 1911, 1190, 1895, 1532, 1948, 781, 1806, 1105
 Hoekstra, J.A. 2737, 1347
 Hoffard, W.H. 22, 2334
 Hofmeier, G. 376, 2671
 Hofstede, G.J. 791
 Hogg, J.T. 765
 Hohenboken, W. 747
 Hohenboken, W.D. 393, 669, 434, 1292, 824, 1814, 451, 1477
 Holmes, C.R. 454, 2162, 1511
 Holmes, L.N. 1037
 Holmes, R.J. 2114, 2711, 1189
 Holzer, Z. 249, 1905
 Hoogerbrugge, A. 366, 598, 1749, 1741
 Hopster, H. 840, 2549
 Horikoshi, T. 1993, 1742
 Horn, F.P. 1859
 Horn, G. 880
 Horrell, I. 1173
 Horstman, V.G. 385, 2087, 1051
 Horvath, R. 461, 1585, 2650
 Houpt, A. 646
 Houpt, C.E. 1925, 1397
 Houpt, K.A. 1934, 1463, 1380, 947, 2274, 1168, 2109, 1254, 2417, 600, 1544, 2161, 1506, 1450, 1500, 673, 534, 1893, 1178, 1873, 622, 988, 1841, 1925, 1397, 1244, 2127, 2368, 1518, 945, 2, 1005, 1420, 1493, 1353, 1258, 944, 2273, 981, 743, 1334, 803
 Houpt, Katherine A. 647
 Houpt, T.A. 534, 1893, 1178
 Houpt, T.R. 1463, 1934, 1380, 989, 2123, 1904, 1873, 1805, 2029
 Hovorka, F. 325, 1654, 2186
 Howard, B. 887
 Howard, W.T. 273, 2508, 1345
 Hoy, A. 1348
 Hsia, L.C. 847, 1820, 1943, 1503, 1924, 1396, 1186, 1894
 Hubrecht, R.C. 828
 Hudgens, R.E. 515, 1875
 Hudson, R.J. 2498
 Huff, A.N. 633
 Hughes, A.L. 1461
 Hughes, B.O. 1236, 2328, 1197, 415, 1019, 1909, 1276, 1038, 640, 1437, 2624, 828, 706, 612
 Hughes, M.K. 1461
 Hughes, P.E. 1120, 2102
 Hulet, C.V. 1316, 620, 286, 1433
 Hulet, R.M. 650, 2014, 2518, 649, 2013, 2517
 Hulsegge, B. 57, 1141
 Hunsaker, W.G. 1473
 Hunt, J.R. 2095, 1090, 2459, 702, 2226
 Hunter, E.J. 2739, 1398
 Hunter, M.L. Jr. 1501
 Huon, F. 987, 208
 Hurnik, J. F. Jaromir Frank, 1932-. 796
 Hurnik, J.F. 2381, 538, 1229, 667, 2521, 2015, 420, 1045, 151, 489, 802, 953, 507, 1361, 1332, 786, 808, 2678, 1523, 1199, 1900, 1249, 1816, 2042, 498, 1848, 412
 Hutson, G.D. 2358, 2612, 1438, 2625, 1002, 825
 IAjudin, R.G. 346, 1703
 IArovoi, S. 2176, 1578
 IArovoi, S.A. 309, 2173, 1572
 IAshunin, V.G. 1953, 1571, 2172
 Ichikawa, F. 1611
 Igarashi, R. 1778
 Igboeli, G. 568
 IJAHIA. 708, 1794
 IJALAG. 265, 1301
 IJASA4. 779, 431, 1910, 2723, 527
 IJBMA. 537, 1209
 IJDSA. 2701, 1110, 716, 2525, 512, 1070, 2099, 1882, 430, 2136, 435, 1297
 IJPDA. 1034
 Iketaiki, T. 827, 2545, 335
 Imakawa, K. 1481
 Ingram, D.L. 2075, 2160, 1245, 2128
 Irps, H. 2609, 1329, 1736
 Irwin, M.R. 47, 122, 1788
 Isar, M. 2728, 1956, 1600
 Isar, O. 2728, 1956, 1600
 Istasse, L. 439, 1324, 2608, 1325
 Ito, K. 1611, 1610
 Ito, T. 986, 1849

AUTHOR INDEX

- Ivanovski, R. 1973
 IVEJA. 566, 1364
 IVMJD. 578
 Izak, S. 326, 2714
 Jackson, D.A. 644
 Jackson, W.T. 21, 2329
 JAERA. 274, 2509, 2683, 172
 JAGEA. 68
 Jakob, P. 352, 1987
 Jamieson, W.S. 1532, 1948
 Janeau, G. 1776
 JANSA. 661, 648, 190, 2071, 1467, 2157, 580, 1529, 2636
 JANSAG. 1922, 1376, 2152, 1314, 160, 833, 1380, 1272, 1366, 1293, 868, 2055, 870, 1521, 2371, 2634, 1929, 1427, 2362, 479, 610, 391, 1481, 885, 2061, 1828, 894, 2468, 507, 953, 209, 992, 1015, 845, 165, 2046, 1115, 1885, 2101, 522, 1106, 515, 1875, 607, 2004, 672, 2224, 2220, 2707, 2069, 933, 2272, 1559, 1950, 927, 2070, 565, 1362, 2091, 1074, 2709, 2089, 876, 2554, 2060, 753, 2536, 2024, 2535, 1873, 2430, 2168, 1283, 622, 988, 1841, 1480, 1154, 1925, 1397, 654, 2519, 1785, 2011, 1803, 2026, 1804, 2028, 1805, 2029, 521, 1103, 653, 1787, 1158
 Jansen, J. 2737, 1347
 JAPEA. 1808, 2692
 Jappesen, L.E. 938
 JAVMA. 1525, 2429
 JAVMA4. 854, 2263
 JAWAA. 1488, 1939, 97, 1810
 Jaworski, D. 1315, 2443
 JDSCA. 935, 1838
 JDSCAE. 2077, 1840, 1890, 2738, 1921, 843, 1818, 766, 2030, 561, 2146, 844, 494, 1819, 2108, 1166, 2140, 1318, 532, 1912, 1302, 838, 162, 625
 JECDOA. 91, 752
 JEENA. 2436
 JEENAI. 2082, 1036, 2439
 Jeffcott, L.B. 655
 Jenike, R. 1663, 2662
 Jenkins, T.G. 995, 209, 992
 Jensen, D.V. 273, 2508, 1345
 Jensen, J.F. 531, 2110
 Jensen, P. 1149, 696, 686, 248, 1237, 1205, 873, 617, 1673, 1647, 1646
 Jephcott, E.H. 145, 2025
 Jeppesen, L.E. 636
 Jeppsson, Mats. 719, 2526
 Jesse, G.W. 1824
 Jezierski, T.A. 1282
 Jin, L. 284, 2153
 Jirak, J. 324, 2686
 Jisa, J. 324, 2686
 JMENA. 2441, 2435
 Jodlowski, J. 1614, 2651
 JOENA. 560
 Johansson, B. 1891, 2107
 Johnson, C.L. 644
 Johnson, K.G. 1098, 2096, 1367, 2149
 Johnson, M.H. 880
 Johnston, R.H. 2125, 1241
 Johnston, T.D. 793, 792
 Jones, D.E. 419, 1868, 2081
 Jones, J. 1501
 Jones, M.C. 559
 Jones, R.B. 1307, 725, 2529, 641, 2736, 1515, 984, 985, 980, 977, 411, 952, 1514, 1222, 408, 914, 879, 802
 Jones, R.H.R. 695
 Jones, S.D.M. 2707, 2069
 Jong, H. de. 391, 610, 479
 Jongbreur, A.A. 218, 2572
 JRMGA. 87, 1916, 1947, 1901
 JSFAA. 2712, 1243, 2705
 Judge, Max D. 2473
 Jung, H.J.G. 1883
 JVPTD. 2418
 Kaarupun, V. 463, 1782
 Kabuga, J.D. 809, 2038
 Kadu, N.M. 1132
 Kahl, S. 766, 2030
 Kalina, J. 1753, 1695
 Kallquist, L. 1213
 Kallweit, E. 730, 2491
 Kalm, E. 343
 Kalra, D.B. 566, 1364
 Kaltenecker, J. 2667, 1726
 Kamerling, S. 2416
 Kane, L. 1254
 Kanoczki, R. 864
 Kaphengst, P. 2480, 2454
 Karavaeva, E.A. 322, 1645, 1960
 Karki, D.B. 716, 2525
 Karkoszka, J.A. 1704, 2666
 Kartchner, R.J. 1836
 Karunajeewa, H. 1914, 2352
 Kas'ianov, F.I. 2409
 Kaseda, Y. 441, 1355, 440, 1915, 1349
 Kassim, H. 1032
 Katpatal, B.G. 1132
 Katz, L.S. 1366, 936, 210, 1011, 2091, 1074
 Kaufman, W.C. 2474
 Kautz-Scanavy, C.C. 778
 Kawakami, N. 736
 Kay, R.N.B. 550, 1303
 KDGSA. 1710
 Kearney, P.A. 495, 2552
 Keeling, L.U. 1425
 Keiper, R. 1258
 Keiper, R.R. 1413, 943
 Kelley, K.W. 740, 2413, 2305, 2575, 1138, 1256
 Kelly, R. 1939, 1488
 Kemp, K.E. 2530, 1799
 Kennedy, P.M. 2097, 1881
 Kenney, P.A. 232, 2103, 1888
 Kenny, F.J. 2710, 1093, 666, 2703, 63, 1290
 Kent, J.E. 51, 2052, 860, 2053, 50, 859, 2051
 Kent, J.P. 1183, 1184
 Kerk, P. van de. 2487, 2000
 Kerk, P. van de. 1717, 1989
 Kerr, S.G.C. 144, 756, 2242
 Kerridge, K.W. 45
 Keszthelyi, T. 482, 693, 334, 1671
 Kettlewell, P. 146, 2463
 Key, C. 407, 905, 904
 Khrapkovskii, A.I. 1960
 Khubetsov, S.S. 1581
 Kiguchi, A. 1611, 1610
 Kiley-Worthington, M. 699, 657, 1456
 Kilgour, R. 1342, 2354, 1131, 153, 2251, 1472, 442, 1356, 443, 1357, 687, 1792, 289, 2155, 1465, 423, 1091, 277, 1369, 569, 1387, 576, 1448, 526, 1136, 128, 688, 571, 1449, 570, 1389, 445, 1388
 Kilgour, R.U. 567, 1365, 428, 1157
 Kim, J.W. 1483, 2158
 Kimpl, M. 1753, 476
 Kinder, J.E. 1481
 King, G. 65, 2345
 King, G.U. 507, 953
 Kinsman, D.M. 2134
 Kintner, B.A. 383, 2446, 2085
 Kiracofe, G.H. 1480, 497, 856
 Kiraly, A. 1963, 1633

AUTHOR INDEX

- Kirk, D. 800
 Kirkpatrick, J.F. 506
 Kirov, M. 329, 1660, 1971
 Kirsz, J. 1622
 Kite, V.G. 1175
 Kleiner, W. 2480, 2454
 Kleist, Jutta von, 1957-. 351
 Klemm, W.R. 1050
 Klinger, G. 1641
 Klinger, Georg, 1954-. 1761
 Kloeppe1, P. 730, 2491
 Knabe, D.A. 653, 1787
 Knapp, B.W. 485, 1798, 1950, 1559
 Knazovicky, F. 328, 2661, 1657
 Koch, S. 1709
 Koe1kebeck, K.W. 2137, 2341, 2605, 39, 247, 1235
 Kohama, H. 736
 Kohn, P. 2276, 2561
 Koizumi, T. 1609, 2179
 Koller, G. 367, 2670
 Koite, G.N. 813
 Kolter, L. 1406
 Kondil, A.A. 1471
 Kondo, S. 667, 2015, 2521, 741, 1440, 2627, 799, 736, 1129
 Konggaard, S.P. 711, 2228, 934, 1699
 Konggard, S.P. 2568, 1851
 Koning, R. 2411, 2673
 Koning, R. de. 940, 2558, 2497, 2582, 2674, 2412, 1328, 2351
 Konrad, S. 2276, 2561
 Koolhaas, J.M. 1246, 2129, 2330
 Koomans, P. 2000, 2487, 38, 2594
 Koong, L.J. 1883
 Koops, W.J. 537, 1209
 Kopp, M.B. 843, 1818
 Kornegay, E.T. 499, 2555
 Kotvas, R. 1955, 1597, 1763
 Koubi, H. 2133
 Kovac, M. 588, 1664
 Kovachikova, M. 1582
 Kovalchik, K. 1582
 Kovalcik, K. 1634, 266, 436, 1304, 477, 1777, 1573, 1623, 143, 755, 1958
 Kovalcikova, M. 266, 436, 1304, 477, 1777, 1573, 1623, 143, 755, 1958
 Kovalcinkova, M. 1634
 Kracht, W. 1997, 1758
 Krasinska, M. 679, 2689
 Krasinski, Z. 679, 2689
 Kratzer, D.D. 891, 174, 1155
 Krausslich, H. 589
 Kress, D.D. 1860, 1025
 Kreukniet, M.B. 549, 1300
 Krohn, C.C. 711, 2228, 1739
 Krykanova, L.N. 1586
 Kubo, K. 1024, 2080, 1611, 1610
 Kuenzel, W.J. 2373
 Kuit, A.R. 2645, 2387
 Kumar, S. 578
 Kuosaite, B. 2197, 1731
 Kuosaite, B.A. 2198
 Kuran, J. 328, 1657, 2661
 Kurcman, B. 1619
 Kurosaki, Z. 670, 777, 1780, 1639
 Kurucz, I. 1520
 Kusunose, R. 668, 1611, 1610
 L'Huillier, P.J. 84, 1879
 Lachaux, M. 313, 462, 1594
 Lacourt, A. 2421
 Ladewig, J. 2074, 829, 2041, 1239, 2122, 730, 2491, 591, 1724, 2614, 1378, 596, 1737
 Lagadic, H. 1268, 2337, 2603
 Lagreca, L.A. 1563
 Lamb, Roger. 795
 Lambooy, E. 57, 1141
 Lambrecht, J. 1768
 Lammers, G.J. 543, 1261
 Lane, J.G. 2471
 Lane, S.M. 497, 856
 Langholz, H.J. 1483, 2158
 Lankow, C. 1775
 Large, J.W. 698, 2677
 Larsen, H.J. 123, 659
 Larson, J. 2365
 Larsson, J.G. 934
 Lathrop, W.J. 1860, 1025
 Launchbaugh, J.L. 2436
 Lawrence, A.B. 508, 1009, 1855, 2583, 1121
 LBASA. 1247
 Le Dividich, J. 2090, 2578
 Le Maho, Y. 2133
 Le Neindre, P. 867, 2105, 1702, 224, 424, 1095, 36, 768, 1743, 1072, 1479
 Leadon, D.P. 655
 Lean, I.J. 252, 2332, 926, 185
 Leaver, J.D. 2726, 1487, 1938, 2725, 1486, 1937, 890
 Leblanc, M.A. 1637
 Leboucher, G. 516, 1876, 1085
 Lecrivain, E. 1512, 1944, 738, 1776
 Leeson, R.H. 117, 2702, 2219
 Leeson, S. 2724, 1918
 Lefcourt, A.M. 766, 2030
 Lehrman, D.S. 386, 1112
 Leibbrandt, V.D. 273, 2508, 1345
 Leighton, A.T. 649, 2013, 2517
 Leighton, A.T. Jr. 2065, 559, 650, 2518, 2014
 Leman, A.D. 557
 Lennon, A.M. 872, 173, 405
 Leth-Espensen, F. 1978
 Levenick, C.K. 2065
 Levy, F. 2105
 Lewis, C.J. 74, 2386
 Lewis, N.J. 786, 1199, 1900, 1848
 Lewis, P.D. 1179, 898
 Leymaster, K.A. 995, 209, 992
 Libersa, M. 321
 Lickliter, R. 1538
 Lidfors, L. 696
 Liere, D.W. van. 2150, 1373
 Liesunova, N.H. 1631
 Lincoln, S.D. 958
 Lindsay, D. 1939, 1488
 Lindsay, D.R. 438, 814, 491, 2256, 509, 1046, 1872, 1094
 Lindsay, F.E.F. 575, 1436
 Line, S.W. 854, 2263
 Linnerud, A.C. 1302, 1912
 Lishman, A.W. 421
 Lister, D. 75, 2699, 2506
 Little, W. 548, 1298, 1430, 1930, 858, 2492
 Llewellyn, D.G. 227, 2310
 Lockhart, R. 1203
 Lohnert, H.J. 2191, 1984
 Loliger, H.C. 2389
 Lomba, F. 1644, 2392
 Long, C. 2325
 Lopez Fernandez, J.A. 584
 Lopez, S. 1580, 2648
 Lorenz, Josef. 363
 Lott, D.F. 724, 398
 Lovari, S. 446, 1390
 Low, B. 2621
 Low, W.A. 1082, 1081, 1080

AUTHOR INDEX

- Lowman, B.G. 1206
 Loypetjra, P. 582, 2167, 2453
 LPSCD. 413, 2494, 127, 685, 480, 877, 1826, 15,
 974
 Ludington, D.C. 907
 Ludvigsen, J.B. 256, 2340
 Luescher, U.A. 390, 1474, 538, 1229, 151
 Luft, C. 1122
 Luginbuh1, J.M. 2738, 1921
 Luijtelaar, E.L.J.M. van. 897
 Luikart, R. 25, 2355
 Lunstra, D.D. 562
 Lupton, J.I. 963, 2280
 Lutherer, L.O. 1182, 2113
 Lutte, G.H. 190, 2071
 LVOEA. 591, 1724, 341, 1696
 Lynch, J. J. 481, 690
 Lynch, J.J. 1113, 1134, 1887, 1133, 240, 1188,
 1797, 738, 2313, 1126, 442, 1356, 922, 2068,
 443, 1357, 1231, 1899, 1194, 2312, 1125, 1372,
 1445, 866, 278, 1371, 1097
 Lynch, P.B. 495, 2552
 Macari, M. 464, 1648
 MacArthur, R.A. 1241, 2125
 MacFarlane, W.V. 887
 MacFie, H.J.H. 539
 Macha, J. 1753, 476, 1695
 Macindoe, R. 67, 2719, 1485
 MacIver, R.M. 407, 905, 904
 Mackenzie, S.A. 1524
 MacLeod, M.G. 893, 1831
 MacMillan, K.L. 542, 1260, 1907
 Macneil, F. 291
 Madec, F. 1306, 2347, 2253, 2542
 Madzharov, I. 1576
 MAERA. 1824
 Mahmood, S. 432, 1280
 Maier, P. 42, 332
 Maier, R. 475, 1767
 Mair, T.S. 2471
 Maitra, D.N. 779, 431, 1910, 2723
 Majina, Cornel. 592
 Makarechian, M. 551, 437, 1308
 Malafant, K.W.J. 1082, 1081, 1080
 Maller, R.A. 618, 392
 Malysa, A. 1959, 1621
 Malyshев, B.T. 1711
 Manak, R. 2611, 2145
 Manna, C.K. 1034
 Marcella, K.L. 749
 Margarint, I. 362, 1994, 2200
 Mariette, K.R. 120, 1786
 Marks, H.L. 2148, 1919
 Marler, P. 1007, 1539
 Marotta, E.G. 1563
 Marple, Dennis N. 2473
 Marsden, D. 1187
 Marsh, J.A. 158, 2715, 2546
 Marshall-Nimis, M. 723, 397
 Marshall, J.K. 1370, 2613
 Martin, A.H. 2069, 2707
 Martin, N.L. 1015
 Martinat-Botte, F. 492, 2547
 Martinez, C.L. 925, 410
 Martinsson, K. 868, 2055
 Martinsson, K.B. 1195, 2116
 Marton, K. 1625, 2180
 Maruguchi, H. 2627, 1440
 Marusca, T. 1957, 1605
 Marx, D. 2182, 1640
 Masaki, J. 590, 1985
 Masek, N. 1753, 1695
 Mashaly, M.M. 2259, 2040
 Mason, J. 381, 2231
 Mather, F.B. 998, 1852
 Maton, A. 347, 2664, 1681, 1768, 1588
 Matsumoto, H. 2144
 Matsumoto, Z. 1639
 Matsuzawa, Y. 1707, 597, 1744, 1993, 1742,
 1745, 1970, 1658
 Matthes, S. 2389
 Mattwei, A. 1774
 Matzke, W. 1997, 1758
 Mauget, R. 484, 713
 Mauldin, J.M. 285, 1432, 978
 May, Ursula. 1956-. 370, 1765, 1998
 Mayes, H.F. 1824
 McArthur, E.D. 1947
 McBane, Susan. 710, 2740
 McBride, G. 1382
 McCall, J.P. 966
 McCall, L.R. 966
 McCallum, T.H. 889, 2269
 McCann, J.S. 1182, 2113
 McConneill, P.B. 1116
 McCormack, J.F. 2098, 1107
 McCormick, C.C. 158, 2546, 2715
 McCort, W.D. 661, 1395
 McDonald, C.L. 865, 1825, 52, 997
 McDonnell, S. 554, 1310
 McDowell, G.H. 2083
 McEwan, J.W.T. 105, 1010
 McFarland, D.J. 1165
 McFarlane, J.M. 1521, 2371, 2634, 1929, 1427,
 2362
 McGlone, J.J. 196, 2281, 2563, 1293, 1929,
 2362, 1427, 894, 2468, 1284, 1531, 607, 2004,
 1283, 654, 2519, 1212, 2732, 1453, 1138, 1256
 McInnes, S.J. 821, 2544
 McKenzie, J.R. 186
 McLaughlin, C.L. 1802
 McLean, K.A. 147
 McMeniman, N.P. 93, 98, 1902
 McMillan, I. 671
 McMillen, I.C. 145, 2025
 McNeal, L.G. 876, 2554, 2060
 McRae, H.E. 1075, 746, 853
 McVeigh, J.F. 2363, 1454, 704
 McWhorter, V. O. 1888-. 2433
 MDWTA. 367, 2670
 Mechow, A. 1659
 Medina, R. 330, 1972
 Mehla, O.P. 716, 2525
 Mehta, S.N. 832, 404
 Mei, J. van der. 2485
 Meischke, H.R.C. 54, 2292
 Mekking, P. 1476, 1936, 770, 2539, 1583
 Menard, M.F. 1479
 Mench, J.A. 782, 1807, 1827, 1403, 2284, 2566,
 158, 2715, 2546
 Menon, K.R. 110
 Merat, P. 2192, 2665, 1698
 Merrill, W. 258, 2500
 Mersmann, H.J. 388, 2130
 Mertsching, H.J. 2575, 2305
 MESCD. 2700, 2713
 Metz, J. 682, 2225
 Metz, J.H. 2628, 1446
 Metz, J.H.M. 1936, 1476, 1269, 1295, 840, 2549,
 770, 2539, 1008, 1854, 1583
 Metz, J.H.M. 1288
 Meunier-Salaun, M.C. 165, 845, 2046, 208, 987,
 1215
 Meyers, S.M. 94, 2690
 MGALA. 1715
 Michalet-Doreau, B. 1982, 1694

AUTHOR INDEX

- Michie, W. 189, 147
 Mickelsen, C.H. 838, 162
 Mickley, L.D. 2236
 Migongo-Bake, W. 87, 1916
 Mihai, G. 364, 1746, 1995
 Mikolai, F. 2667, 1726
 Millam, J.R. 807
 Miller, B.S. 2247
 Miller, L. 2490, 2235
 Miller, R.M. 194, 2744, 237, 1169
 Milliken, G.A. 2569, 1003, 776, 401, 982
 Mills, A.D. 2601, 1263, 415, 1019, 2084, 411, 952
 Milne, J.A. 781, 1806, 1105
 Mimura, K. 1961, 1626, 2729, 1962, 1627, 2730, 1974, 1674
 Minczinger, L. 2685, 1951, 1562
 MINSB. 230
 Minson, D.J. 1889, 2106
 Mirocha, C.J. 1891, 2107
 Mirza, Z. B. 2694
 Misaidzu, Y. 1470, 2629
 Mishra, M. 435, 1297
 Mission, B.H. 2109, 1168
 Mitani, K. 996, 1849
 Mitchell, B.W. 168, 2047
 Mitchell, D. 18, 55, 2296
 Miyazaki, H. 1609, 2179
 Mizuho, A. 2629, 1470
 Mkrtchian, Sh.A. 1581
 Mladenov, M.V. 1714
 MLTBB. 1501
 Moberg, G.P. 2091, 1074, 837, 2044
 Mocsi, Z. 353, 1712
 Moffat, J. 41, 288
 Mogi, K. 441, 1355
 Mohapeloa, T.K. 343
 Moller, J. 1978
 Molnar, I. 901, 1832
 Monagan, D. 1057
 Monahan, E.A. 1524
 Mongin, P. 1992
 Montagna, M. 1415, 447, 1926, 1400
 Montie, L. 231
 Moore, Brian L. 213, 1857
 Moore, C.L. 658, 2676
 Moore, E.L. 729
 Moore, R.W. 86
 Morales T., H. 594
 More, T. 1935
 Morgan, P.D. 483, 705, 2227
 Morisse, J.P. 2402, 1983, 2190, 2484, 2401
 Mormede, P. 727, 2023, 1240, 2124, 2324, 2112, 2359, 2151, 1467, 2157, 774, 2034, 2270, 1643
 Morris, G.L. 2362, 1929, 1427, 2430, 2168
 Morris, J.G. 1883
 Morrison, W.D. 671, 1816, 2042
 Morrow, J.L. 1293
 Mosner, M.S. 238, 2327
 Moss, B.W. 117, 2219, 2702, 2035
 Moss, R. 2541, 2252, 836, 161, 1128, 102
 Mossing, T. 1213
 Mottershead, B.E. 1113, 442, 1356, 443, 1357, 1372, 278, 1371
 Mourik S.C. van. 825
 Mroz, A. 2659, 1655
 Mueller, H.C. 729
 Muir, L.A. 1892
 Mulhern, F.J. 17, 2291
 Muller, J. 104
 Muller, L.D. 1840, 2077
 Muller, M.T. 2443, 1315
 Munoz-Blanco, J. 739
 Murata, H. 2144
 Murnieks, L.A. 1587
 Murphrey, R.M. 726, 132
 Murphy, G.M. 93, 98, 1902
 Murphy, L.B. 1000, 2681, 1508, 241, 1208, 1853, 2079, 1006, 1114
 Murphy, P.A. 2534, 2241
 Murray, G. 18, 55, 2296
 Murray, L.W. 1316
 Mwanjali, S. 2591, 1172
 Myelinski, J. 1619
 Nagata, Y. 2080, 1024
 Nagpaul, P.K. 422, 1086, 1490
 Nagy, T. 1969
 Naidu, K.N. 496
 Nakamori, I. 1639
 Nakamura, I. 670
 Nangia, O.P. 1882, 2099
 Nansen, P. 2447
 NASSD. 78, 1928, 1423, 1027, 1863
 Naumenko, V.V. 311, 2479, 1575
 Navratil, J. 324, 2685, 316, 1613
 Nayak, J.B. 431, 2723, 1910, 435, 1297
 Ndife, L.I. 797
 Neal, W. M. 1905-. 1815
 Needham, G.R. 1315, 2443
 Negri, V. 1352
 Nelsen, T.C. 1950, 1559
 Nelissen, J.L. 2439, 2082, 1036
 Nes, J.C.M. van de. 734
 Nestor, K.E. 558
 Neugebauer, B. 1, 198, 2282
 Newberry, R.C. 1090, 2095, 789, 2459, 1408, 702, 2226
 Newhook, J.C. 191
 Newman, E.A. 889, 2269
 Newman, J.A. 2707, 2069
 NICKA. 440, 1349, 1915
 NICKA3. 1492, 1940, 1609, 2179, 886, 1829, 777, 1780, 2627, 1440, 441, 1355
 Nicks, B. 439, 1324, 2608, 1325, 279, 2360
 Nicol, C.J. 830, 159, 2260, 239, 1180
 Nielsen, K. 934
 Nielsen, M.A. 390, 1474
 Nielsen, M.K. 1481
 Nienaber, J. 2611, 2145
 Nienaber, J.A. 991, 1843, 2557, 2072
 Nikolaev, B. 369, 1764
 Nilsson, C. 2495, 2570
 Nir, I. 419, 1868, 2081
 Nishimura, K. 533
 Nishino, S. 741, 1440, 2627, 736, 1129
 NUJZA9. 2144
 NOJOA. 1699, 1739
 Nomura, K. 2171, 1565, 2181, 1628
 Nomura, S. 2171, 1565, 2181, 1628
 NONEA. 958
 Norgaard-Nielsen, G. 1459, 812, 2039
 Northeved, A. 934
 Nozawa, K. 441, 1355
 NURIB. 485, 1798
 Nuti, L.C. 544
 Nwakalor, L.N. 568
 NWSCA. 1255
 Nyakas, C. 2129, 2330, 1246
 Nys, Y. 1992
 NZFAA. 277, 1369
 NZJAA. 41, 288
 NZJEA. 186
 O'Connell, M.F. 534, 1893, 1178
 O'Connor, K.F. 82, 1031
 O'Donnell, C.S. 715
 O'Grady, J.F. 495, 2552

AUTHOR INDEX

- O'Keefe, T.R. 1404
 Oberosler, R. 804
 Obst, J. 230
 Ockleford, E.M. 923, 503
 Odberg, F.O. 717, 2238
 Odde, K.G. 1480
 Ogwuegbu, S.O. 930, 505
 Ohle, H.O. 1997, 1758
 Ohta, M. 590, 1985
 Ohtani, M. 827, 2545
 Ohtsuka, S. 344
 Okano, T. 533
 Okpokho, N.A. 2569, 1003, 401, 776, 979
 Oldham, J. 2218
 Oldigs, B. 1667
 Oliver, D.F. comp. 14, 2278
 Oliver, J.C. 2139
 Oliver, J.H., jr. 2435
 Oliverio, A. 379, 2073
 Olm, D. 945
 Olsen, M. 1891, 2107
 Olsson, N.G. 868, 2055, 2451, 2423
 Olsson, N.G.E. 1195, 2116
 Olsson, O. 868, 2055, 108, 599, 2675
 Oliver, E.F. 935, 1838
 Omero, A. 1734
 Ono, K. 799
 Ookawa, Takanori, 1934-. 722
 Oostendorp, D. 342
 Orban, E. 1520
 Ordolff, D. 274, 2509, 2683
 Oresnik, A. 588, 1664
 Orgeur, P. 178, 502, 912, 313, 462, 1594, 1072
 Orihuela Trujillo, A. 595, 1735
 Orji, B.I. 568
 Osbourn, D.F. 1941, 1498
 Osterberg, S. 1202, 2117
 Osterkorn, K. 589
 Ota, S. 827, 2545, 335
 Otten, L. 671
 Ottinger, M.A. 1363, 2147
 Owen, R.R. 769, 2248
 Owens, F.N. 2461
 Owens, J.L. 536, 2115, 127, 480, 685
 P'ianov, V.D. 1990, 2400, 2187
 Pabrezaite, R. 1731, 2197
 Pabrezaite, R.J. 2198
 Pabst, K. 2652, 1615
 Pamment, P. 1382
 Panasenko, V.N. 2481
 Panda, P.K. 435, 1297
 Pandey, A.N. 80, 1865
 Pandey, J.N. 1192, 1897
 Pandey, R.S. 560
 Panepinto, L.M. 387
 Papini, M. 446, 1390
 Papp, J. 2394, 1672
 Paquay, R. 780
 Pardue, L. 2249
 Parduyns, G. 1035
 Parekh, H.K.B. 1132
 Parkins, P. 1526, 2635
 Parrott, R.F. 1168, 2109, 906, 2064, 1164
 Parry, M.A. 493, 831
 Pascoe, P.J. 826, 2420
 Pasculescu, F. 1755
 Patel, J. 2429, 1525
 Paterson, I.W. 761, 603
 Pathak, N.N. 430, 2136
 Patonai, J. 1636, 1965
 Patterson, R.L.S. 539
 Pattison, M. 2450, 2297
 Pavesi, M. 681, 2522
 Pearce, G.P. 2102, 1120
 Pearson, A.J. 1445, 841
 Pearson, G. 2114, 1189, 2711
 Peitz, B.E. 853
 Pellerin, R. 907
 Pemberton, B. 2443, 1315
 Penning, P.D. 89, 1421, 1927, 78, 1423, 1928,
 1498, 1941, 1499, 1942
 Pennington, J.A. 1077, 1874, 515, 1875, 561,
 2146, 494, 844, 1819
 Penny, R.H.C. 674, 2460
 Perez, E. 1972, 330
 Perez, M. 1762, 2205
 Perkins, A. 506
 Perry, C. 226, 2697, 1111
 Perry, G.C. 1179, 898, 539
 Peschke, W. 360, 2668, 1729, 1754
 Petchey, A.M. 695
 Petersen, G.V. 191
 Petersen, J. 450, 1469, 2718, 336, 1684, 2398,
 1419, 2618
 Petersen, M.K. 1858
 Petersen, V.E. 333, 1668
 Petherick, J.C. 269, 1335, 2527, 2020, 1196,
 1185
 Petrie, C.L. 870, 942
 Petrikas, I.U. 1561, 2170
 Petrikas, J. 1731, 2197
 Petrikas, J.J. 2198
 Petrov, P.E. 1574, 2174
 Petrusha, E. 356, 1716
 PHBHA. 1023, 1271, 989, 2733, 1117, 740, 2413,
 739, 1118, 2084, 2133, 797, 1104, 1880, 2732,
 1212
 Phillips, C.J.C. 1938, 2726, 1487, 1937, 2725,
 1486
 Phillips, P.A. 1267, 2602, 2159, 2630
 Pichaicharnarong, A. 582, 2167, 2453
 Pickert, R. 1539
 Pickett, B.W. 522, 1106, 535, 1181
 Pieterse, M.C. 537, 1209
 Piko, P. 328, 1657, 2661
 Pilarczyk, A. 1655, 2659, 1663, 2662, 1683
 PinSENT, P.J.N. 1053, 2301
 Piper, L.R. 536, 2115, 127, 685, 480
 Pliashchanka, S.I. 1666, 2687
 Plyashchenko, S.I. 855, 2264
 PMWSA. 1877, 733, 1441, 1836
 Podluzny, M. 1282
 Poindron, P. 491, 814, 2256, 509, 1046, 1872,
 2105, 1702, 1072
 Pojtnar, M. 864, 334, 1671, 2685, 1951, 1562,
 465, 1968, 1650, 1980, 1687
 Polanco Jaime, A. 595, 1735
 Pollock, J. 1550
 Pollock, W.E. 498, 412
 POLNA. 1686, 2654, 1618
 Poloczek, R. 1683
 Pond, K.R. 1921, 2738, 1115, 2101, 1885
 Ponge, J. 2480, 2454
 Ponomareva, M.F. 2481
 Poppi, D.P. 84, 1879
 Porras Castillo, A. 739
 Porzig, E. 1775
 POSCA. 910, 1834
 POSCAL. 2065, 284, 2153, 450, 1469, 2718, 268,
 1313, 2095, 1090, 1404, 177, 909, 559, 401,
 776, 2098, 1107, 187, 928, 2459, 558, 2137,
 2605, 2341, 1919, 2148, 978, 419, 2081, 1868,
 511, 1052, 982, 2107, 1891, 671, 158, 2715,
 2546, 2246, 1799, 2530, 759, 487, 998, 1852,
 429, 1228, 1918, 2724, 650, 2014, 2518, 39,
 247, 1235, 2461, 649, 2013, 2517, 903, 1833

AUTHOR INDEX

- Potter, M.J. 970
 Pouteaux, V.A. 2595, 1233
 Praded, J. 2356
 Praks, J. 1751
 Preston, A. 785
 Preston, A.P. 1508
 Preston, A.P. 1000, 2681, 241, 1208, 2079,
 1853, 1006, 1913, 1327, 700, 1793
 Price, E.O. 1037, 1366, 210, 1011, 1015, 406,
 896, 500, 924, 504, 2091, 1074, 410, 925, 1320,
 1016, 660, 2349, 1321, 1447
 Price, Edward O. 973
 Price, M.A. 1401, 691, 852, 2049, 1821, 131,
 2489
 Prichard, W. 18, 55, 2296
 Prove, E. 541, 389, 1253
 Pruess, K.P. 107, 1317
 Prunier, A. 2057, 2553
 Puckett, H.B. 935, 1838
 Pugh, D.G. 2350, 1326, 2427
 Pushkarskii, V.G. 1748, 1996, 1624
 Putten, G. van. 976, 2663, 2395, 1553, 2642,
 2104, 1144, 303, 1549, 2380
 Putten, G. van. 1279, 1903, 1201, 357, 1719
 Putu, I.G. 814, 491, 2256, 509, 1046, 1872
 Quick, A.J. 858, 2492
 Raab, A. 165, 845, 2046
 Rabe, J. 2451, 2423
 Radchenkov, V.P. 2481
 Radnai, Mrs. I. 2478
 Rado, G. 461, 1585, 2650
 Raksanyi, I. 1072
 Ralston, S.L. 990, 1842, 2028, 1804, 2132, 1906
 Ramakrishnan, R. 751
 Ramos, N.C. 1262, 2600, 760, 148, 1801
 Randolph, J.H. 891, 174
 Rao, C.V. 496
 Rao, L.V. 560
 Rathore, A.K. 243, 1227
 Ravasz, Mrs. T. 1635, 1964
 RCAND. 1600, 1956, 2728, 1605, 1957
 Rea, W.A. 642
 Reader, M. 1491
 REAVD. 2205, 1762
 Redbo, I. 686
 Redston, S. 762
 Ree, J.M. van. 1458
 Reed, D. 2302
 Regier, R. 470, 1688
 Reissig-Berner, F. 360, 2668, 1729
 Reissig-Berner, Friederike, 1728
 Reiter, K. 1977, 2731, 1676
 Renner, P.A. 558
 Revermann, T. 1659
 Reynolds, W.L. 1950, 1559
 Rhein, Bodo von. 338, 2505, 1689
 RIAVB. 2646, 1566
 Rice, R.W. 1877
 Richard-Yris, M.A. 516, 1085, 1876
 Richard, A.L. 1840, 2077
 Richards, R.W. 733, 1441
 Richmond, C.E. 246, 1234
 Rieger, E. 1709
 Rietveld-Piepers, B. 735, 2532, 929
 Rietveld-Piepers, B. 1954-. 783
 Rimkute, E. 1732, 2197, 1731
 Rimkute, E.P. 2198
 Rist, M. 2561, 2276
 Rittenhouse, L.R. 92, 1528, 733, 1441, 214,
 1871, 1044
 RMVEA. 2402, 2190, 1983
 RNZOD. 1655, 2659
 Robert, S. 448, 1435, 965
 Robertson, H.A. 1817
 Robertson, W.M. 2069, 2707
 Robinson, G.G. 1869
 Robinzon, B. 429, 1228
 Rodriguez Rendon, A. 593
 Rodriguez Rivera, O.L. 593
 Rodriguez, R.L. 1947
 Roessingh, P. 124, 678, 2704
 Rogler, J.C. 797
 Rohde Parfet, K.A. 160, 833
 Rohde, K.A. 1464
 Rojahn, A. 6, 116
 Rojek, K. 2662, 1663
 Rollin, B.E. 2321
 Romberg, H. 678, 124, 2704
 Rooijen, J. van. 1269, 2598, 1259
 Roper, T.J. 762
 Rosciszewska, Z.E. 513, 1078
 Roscoe, L. 18, 55, 2296
 Rose, C.J. 1270, 1908
 Rose, K.M. 614
 Rosecrans, J.G. 451, 1477
 Rosenberger, J.L. 521, 1103
 Rosi, F. 1708, 1986
 Rosiere, R.E. 1901
 Rosillon-Warnier, A. 780
 Ross, P.A. 808, 2678, 1816, 2042
 Rossdale, P.D. 655
 Rouquette, F.M. Jr. 1862, 1861
 Rovee-Collier, C. 1352
 Rowan, A.N. 7, 378, 2239
 Rowe, J.B. 865, 1825
 Rowlinson, P. 1198, 2592, 757, 1800
 Roy, P.K. 422, 1086
 Ruckebusch, Y. 1109
 Rudman, R. 646
 Ruiterkamp, W.A. 1629, 2391, 2657
 Ruiz, M.E. 330, 1972
 Rushen, J. 1220, 2120, 2271, 608, 959, 1839,
 1460, 645, 787, 402, 1061, 788, 1232
 Rushen, J.P. 145, 2025, 1457, 1932
 Russ, J.C. 2738, 1921
 Russi, Hans. 1632
 Rutberg, A.T. 2440, 1056
 Rutter, S.M. 644
 Ruutel, A. 1751
 Ruyle, G.B. 1877
 RVTSA. 298, 2370, 145, 2025, 150, 2244, 149,
 2243, 798, 154
 Ryan, M. 526, 1136
 Rycker, C. de. 869
 Sachsenmaier, Martina Maria, 1958-. 340
 Sachser, N. 389, 541, 1253
 Sagi, R. 2108, 1166
 Sahni, K.L. 1935
 Sainsbury, D.W.B. 130, 2232, 2513, 2213, 253,
 2333, 1250, 2596, 254, 2336
 Sainsbury, David. 2211
 Sainsbury, David, 1928-. 199
 Saito, Y. 1710
 SAJAC9. 421
 SAJZDH. 1475
 Sakaguchi, A. 1710
 Salantiu, D. 466, 2482
 Salantiu, V. 475, 1767
 Salden, N.T.C.U. 366, 598, 1749
 Salehar, A. 588, 1664
 Sallvik, K. 172
 Salmon, H. 2575, 2305
 Sambraus, H.H. 589, 1779, 312, 221, 1740, 1331
 Samoggia, G. 31, 355
 Sanberg, P.R. 2037, 2415
 Sanders, L. 854, 2263

AUTHOR INDEX

- Sansom, B.F. 913, 858, 2492
 Santha, Mrs. T. 465, 1650, 1968, 1687, 1980
 Santha, T. 693, 482, 1635, 1964, 1651, 2185, 1979
 SAQRA. 1579
 Sarvary, J. 1520
 Sastry, N.S.R. 716, 2525, 170
 Sato, K. 1639
 Sato, S. 670, 878, 283, 1402
 Sautter, Frederic J. 656
 Sauveur, B. 1992
 Saville, C. 161, 836, 857, 1822
 Savory, C.J. 1271, 2733, 1117, 1118, 1880, 1104, 1541, 2078, 1850, 893, 1831, 1207
 Sawamura, H. 1966
 Sawazaki, H. 668
 Schaar, J. 877, 1826
 Schaeffer, L.R. 479, 391, 610
 Schafer, David E. 2473
 Schake, L.M. 1050, 246, 1234
 Schalles, R.R. 1480, 856, 497
 Scharf, R. 1709
 Schein, M.W. 613
 Scheurink, A.J.W. 1246, 2129, 2330
 Schilling, E. 689
 Schlichting, M.C. 697, 2524, 835, 2043, 2548, 754, 2537, 2122, 1239, 631, 2008
 Schmidt, B. 2202
 Schmidt, F.W. 1483, 2158, 373, 2408
 Schmidt, K.H. 2202
 Schmidt, Karl-Heinz. 2201
 Schmidt, M. 772, 2540, 2499
 Schmidtmann, E.T. 967, 2437, 968, 2438
 Schmoldt, P. 2480, 2454, 1709
 Schnebel, E.M. 615
 Scholtyssek, S. 471, 2189, 1692
 Scholz, H. 320
 Schouten, W. G. P. - 1947-. 261, 1291
 Schuler, W. 1216
 Schulman, A.H. 1416
 Schulte-Coerne, H. 2652, 1615
 Schuster, Herbert. - 1952-. 310
 Schutt-Abraham, I. 192, 2716
 Schwabe, C.W. 155, 2254, 2743
 Schwaller, C.E. 2623
 Schwering, C.M.C. 537, 1209
 SCNGA. 1908, 1270
 Scott. 2599, 2457
 Scott, D. 81, 1030, 1866
 Scott, N.R. 2108, 1166, 2140, 1318
 Scoville, R. 794
 Scraba, S.T. 544
 SDNOAM. 1595
 Seabrook, M.F. 44, 707, 1238, 259
 Seidel, G.E. Jr. 460, 1558
 Semeniuta, A.T. 346, 1703
 Senda, E. 55, 18, 2296
 Senft, D. 85, 1886
 Senger, P.L. 521, 1103
 Serban, D. 364, 1995, 1746
 Sergeev, V.A. 1988, 1713
 Sergeev, V.D. 1988, 1713
 Sergeeva, V.D. 469, 1680
 Shabalina, A. 1714
 Shabalina, A.T. 806, 490
 Shakir, S.A. 751
 Shalash, M.R. 574
 Shanmugasundaram, S. 1391
 Sharawy, S.M. 527
 Sharma, M.C. 430, 2136
 Sharman, D.F. 2418, 1177, 2111
 Sharp, A.J. 47, 122, 1788
 Shcherbakova, G.P. 1711
 Shea, M.M. 1827
 Shealy, A. L. 1815
 Sherry, C.J. 1050
 Sherwin, C.M. 2096, 1098
 Shettlerworth, S.J. 106, 1130
 Shiki, H. 878
 Shillito Walser, E. 458, 1534, 426, 1151, 999
 Shillito Walser, E.E. 2166, 1537
 Shillito, E. 457, 1533
 Shillito, E.E. 1069, 1150
 Shires, G.M.H. 3, 2374
 Short, R.E. 485, 1798
 Shreffler, C. 747
 Shrestha, C.M. 935, 1838, 1846
 Shubenko, O.I. 311, 2479, 1575
 Shupe, W.L. 1316
 Shuster, L. 2429, 1525, 1119, 2424
 Shutt, D.A. 2143, 2475, 2366
 Sibbald, I.R. 910, 1834
 Sibly, R.M. 2739, 1398
 Sidahmed, A.E. 1883
 Sidakova, V.T. 1571, 1953, 2172
 Siddiqi, M.Z. 432, 1280
 Sidorov, V.T. 855, 2264
 Siegel, H.S. 1404, 2056, 2265
 Siegel, P. B. 1932-. 796
 Siegel, P.B. 220, 2456, 1064, 419, 2081, 1868, 942, 270, 1339, 1540, 1360, 395, 978
 Signoret, J. P. 302
 Signoret, J.P. 502, 912, 178, 1165, 720, 2019
 Siksa, J. 326, 2714
 Silver, G.V. 406, 896, 500
 Simon, J. 2362, 1929, 1427
 Simonsen, H.B. 1478, 2393, 1669, 225, 1108, 2353, 1337, 2005, 842
 Singh, G. 77
 Singh, M. 779
 Singh, M.P. 716, 2525
 Sinurat, A.P. 2083
 Sippel, R.A. 1667
 Sis, R.F. 1050
 Sivickiene, J. 1653
 Skinner, John L. 103
 Skvaruk, V.S. 314, 1598
 Slawinski, T. 1156
 Slee, G.S. 146, 2463, 2084
 Slee, J. 816, 403
 Smadelli, E. 2684, 1379
 Smalley, A. 215, 2303, 2304
 Smidt, D. 697, 2524, 835, 2043, 2548, 754, 2537, 2122, 1239, 470, 1688, 631, 2008, 606, 2003, 101, 2308, 2591, 1172, 343, 1570
 Smisek, V. 331, 1661
 Smith, A.T. 137, 2533
 Smith, H.K. 91, 752, 1190, 1895
 Smith, J.N. 1316
 Smith, L.A. 849, 2551
 Smith, M.O. 2461
 Smith, V.M. 924, 504
 Smith, W.C. 2711, 1189, 2114
 Smith, W.J. 674, 2460
 Smits, A. C. 212
 Smohai, T. 1638
 Snapir, N. 429, 1228
 Sobotka, T.J. 382, 1049
 Sodeikat, Gunter. 474, 1727
 SOGEBZ. 767, 400
 Solfjeld, P. 934
 Somerville, S.H. 1206
 Sommer, B. 589
 Sommer, Beatrix. . 319, 586
 Song, G.K. 1037
 Sonoda, T. 670, 2027, 777, 1780, 1639

AUTHOR INDEX

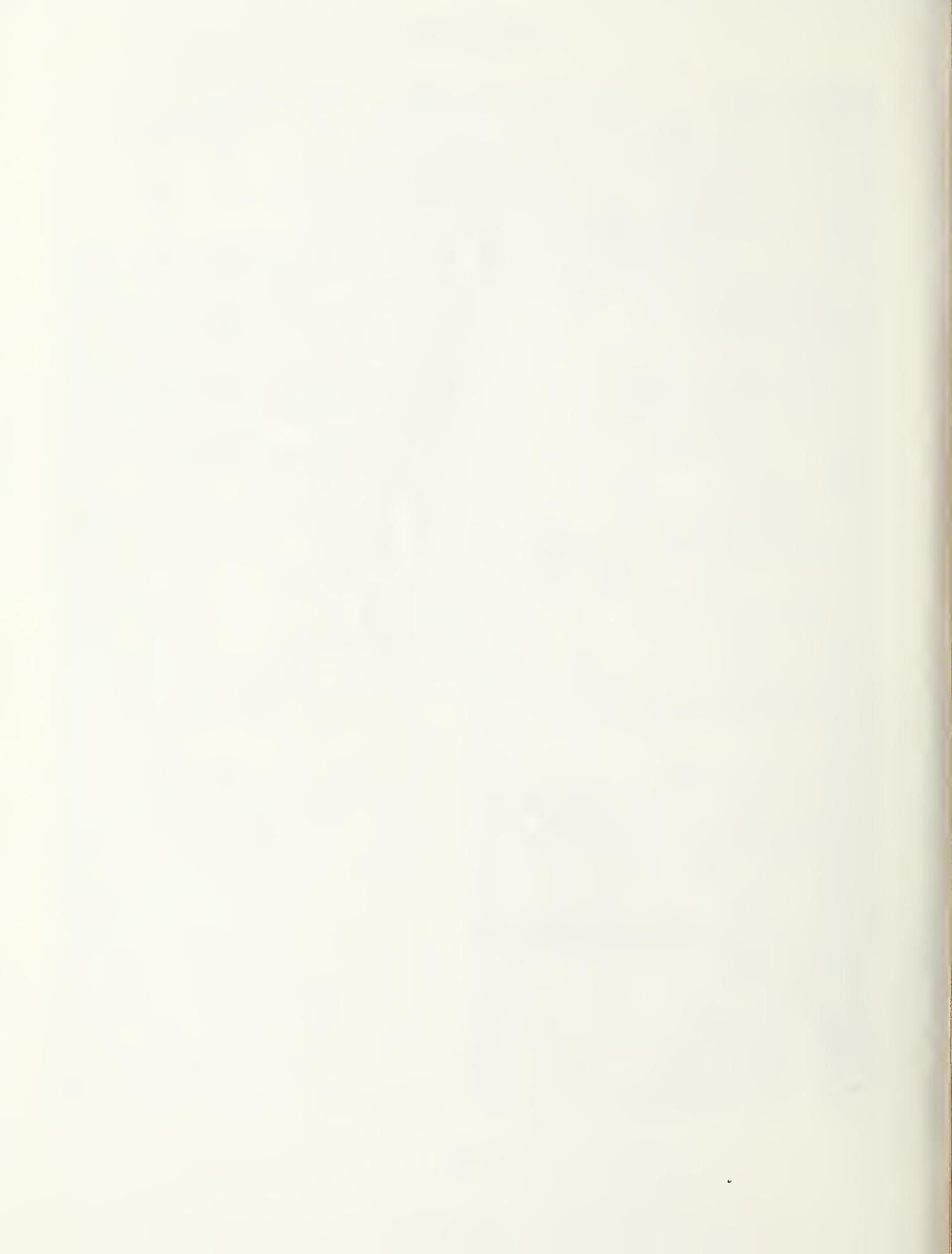
- Sorokin, A.M. 1960
 Sorokin, V.M. 1990
 Sourd, C. 424, 224, 1095
 Souty, J.C. 1579
 Spahr, S.L. 935, 1838
 Spahr, S.L. Oliver, E.F. 1846
 SPANA. 2214, 189
 Spechter, H.H. 2597, 2331
 Spicer, H.M. 892, 175, 1830
 Springbett, A. 816, 403
 Squibb, R.L. 1845
 Squires, E.L. 522, 1106, 535, 1181
 Squires, V.R. 125, 680, 1790, 1029
 SSBLA. 1711
 Stadnicki, T. 2666, 1704
 Stahly, T.S. 891, 174
 Stakan, G.A. 767, 400
 Stanbury, W.F. 894, 2468, 607, 2004
 Stapleton, D.L. 861
 Steen, H.A.M. van der. 391, 610, 479, 757, 1800
 Steenkamer, N. 33, 2207, 2510
 Stefanini, L. 1415
 Stefanova, S. 1771
 Steffens, A.B. 2330, 1246, 2129
 Steiger, A. 1592, 368, 1760
 Stein, S. 383, 2446, 2085
 Steinel, Herbert.. 1738
 Steinhauf, D. 1774
 Stenum, N. 530, 1170
 Stephan, E. 587, 1662
 Stephens, D.B. 2418, 1336, 2141, 1333, 69,
 1517, 2163
 Stevens, C. 301, 2377
 Stevens, D. 1012, 1013, 211, 1014, 1542, 2313,
 1126, 442, 1356, 443, 1357, 1543, 972, 2312,
 1125
 Stevenson, J.S. 2439, 2082, 1036
 Steward, P.E. 2300, 2299
 Stigson, Margareta. 1468
 Stinson, C.G. 539
 Stobart, R.H. 1284
 Stobbs, T.H. 1889, 2106
 Stoica, O. 364, 1746, 1995
 Stoiba, A. 523, 1124, 2574, 1066, 742
 Stone, N.D. 1540
 Stookey, J.M. 876, 2554, 2060, 664, 580, 1529,
 2636
 Strak, J. 37, 202
 Strempel, W. 1975, 1675
 Stricklin, W.R. 1403, 778, 2595, 1233, 801,
 1809, 1158
 Strozik, E. 1156
 Strungis, J.C. 784
 Stuhec, I. 835, 2548, 2043, 754, 2537, 1239,
 2122, 588, 1664
 Stuhec, V. 588, 1664
 Suarez, S.D. 1405, 956
 Subramanian, R. 110
 Suckling, D.E. 91, 752
 Suess, M. 367, 2670
 Sufit, E. 1244, 2127
 Sugimoto, N. 1609, 2179
 Sugimura, M. 1707, 597, 1744, 1745
 Summers, D. 2619, 1426
 Summers, J.D. 1918, 2724
 Summers, R.W. 1808, 2692
 Sumner, J. 1526, 2635
 Suss, M. 1720
 Sutherland, B.L. 81, 1030, 1866
 Suttie, J.M. 550, 1303
 Suzuki, S. 1710, 1966
 Svendsen, J. 1060, 2573
 Svinchenko, T.T. 2172, 1571, 1953
 SVSBD. 324, 2686, 325, 1654, 2186
 Swain, N. 779, 1193, 1898
 Swanson, J.C. 2365
 Swanson, L.V. 434, 1292, 824, 1814
 Swarbrick, O. 70, 29, 2379
 Swatland, H.J. 190, 2071
 Sweeting, M. 1244, 2127
 Sweeting, M.P. 1544, 1925, 1397
 Swett, L.A. 499, 2555
 Swift, D.M. 733
 Sybesma, W. 2382
 Sykes, A.H. 228, 2314
 Syme, G.J. 1018, 1856, 1257, 841
 Syme, L.A. 1856, 1018, 1257, 1043
 Synnott, A.L. 425, 1099
 Szekely, S. 1520
 Szollosi, I. 901, 1832, 353, 1712
 Szucs, E. 864, 334, 1671, 901, 1832, 2685,
 1951, 1562, 353, 1712
 TAAEA. 659, 123, 677, 931, 1837, 2680
 Taha, A. 527
 Taher, A.I. 998, 1852
 Takahashi, H. 2144
 Talbot, J.A. 1016
 Tamanuki, Koichi.. 1701, 2193
 Tanaka, H. 1639
 Tanaka, T. 1940, 1492, 886, 1829, 1961, 2729,
 1626, 1962, 1627, 2730, 1974, 1674
 Tanase, D. 2203, 1759
 Tandy, J. comp. 14, 2278
 Tanida, H. 434, 1292, 824, 1814
 Tanksley, T.D. Jr. 653, 1787
 Tanyi, J. 1757
 Tarrant, P.V. 1093, 2710, 666, 2703, 63, 1290,
 15, 974, 2421
 Tartwijk, J.M.F.M. van. 2092, 1076
 Tauson, R. 171, 2531, 2679
 Taylor, L. 849, 2551, 169, 850, 1223
 Taylor, R.F. 2319, 2425
 Teague, Howard. 193
 Tebbe, Verena. 1950-. 348, 1706, 2403
 Teeter, R.G. 2461
 Tein, N.Q. 430, 2136
 Temple, W. 715
 Tennessen, T. 19, 2306, 1401, 691, 131, 2489,
 2498
 Tenucci, M. 446, 1390
 Terashima, H. 1129
 Terletskii, V.Z. 1596
 Terqui, M. 492, 2547
 Thac, N.D. 430, 2136
 Thanikachalam, M. 1391
 THGNB. 581, 456, 544, 563
 Thielscher, H.H. 631, 2008
 Thin, C.X. 430, 2136
 Thind, J.S. 2701, 1110
 Thomann, W. 374, 1772, 40, 2335
 Thompson, B.K. 1267, 2602, 2159, 2630, 2165,
 2637
 Thompson, G.B. 47, 122, 1788
 Thompson, Willard C. 1890-. 188
 Thorburn, G.D. 145, 2025
 Thorman, V.P. 2695, 1548, 2640
 Thornton, D.A.K. 136, 731
 Thorson, J. 135, 2234
 Thos, J. 504, 924
 Thurmon, J.C. 933, 2272
 Thwaites, C.J. 1231, 1899, 1194, 1445, 861
 TIDIA. 2485, 1629, 2391, 2657, 2486
 Tienhoven, A. van. 2284, 2566, 158, 2715, 2546,
 264, 1299, 903, 1833
 Tilbrook, A. 547, 1287
 Tilbrook, A.J. 1094, 514, 1083

AUTHOR INDEX

- Tillon, J.P. 2542, 2253, 820, 2258
 Timen, S. 466, 2482
 Tind, E. 167, 848, 2550
 Tindsley, W.E.C. 185, 926
 Tiwari, S.B. 566, 1364
 TIZUA. 1676, 2731, 1977
 Tjernshaugen, O. 96, 1864, 1028
 Toates, F. 2346, 1305
 Tobin, T. 2416
 Tojo, Y. 335
 Tokarev, I.U. 315, 1607
 Tokarev, N. 2658, 1630
 Tokuriki, M. 2171, 1565, 2181, 1628
 TOLEDOS. 95, 2422
 Toleman, M.A. 293, 1502, 2503
 Tomar, S.S. 708, 1794, 417, 1021, 709, 1795
 Tomlinson, K.A. 1320, 2349, 1321, 1447
 Tomova, I. 1714, 1576
 Tong, A.K.W. 2707, 2069
 Tonn, S.R. 1154
 Torell, D.T. 1320, 2349, 1321
 Torvell, L. 91, 752
 Tosev, A. 1589
 Tosiev, A. 369, 1764, 371, 1769
 Trafimau, A.F. 2687, 1666
 Trapp, A.L. 2319, 2425
 Tribble, L.F. 894, 2468, 607, 2004, 173, 405, 872
 Trillat, G. 1072
 Tripathi, V.N. 164
 Triplett, C. 1560
 Trooster, W.J. 1330
 Tschanz, B. 368, 1760
 Tshibangu, M.L. 2392, 1644
 Tsujii, H. 1595
 Tuddenham, A. 1179
 Tulloch, D.G. 583
 Turliuc, O. 2203, 1759
 Turner, F. 37, 202
 Turner, J.D. 1203
 Turner, J.W. Jr. 506
 Tveitnes, S. 96, 1028, 1864
 Tweedie, R.L. 1082, 1081, 1080
 Twelveponies, M. 294, 295
 Tyler, R. 293, 2503, 1502
 UAABB. 2466, 437, 551, 1308, 691, 75, 2699, 2506, 131, 2489
 Uchiyama, K. 335
 Ugly, K. 864
 Unruh, J.A. 2709, 2089
 Unshelm, J. 835, 2548, 2043, 754, 2537, 1279, 2315, 1142, 630, 2216, 2007, 1570
 Urban, F. 2180, 1625
 Urquhart, N.S. 1945, 1530
 Usanakornkui, S. 582, 2167, 2453
 Utsumi, K. 533
 Uum, W. van. 1717, 1989
 V'zharova, L. 1766
 Vadnal-Douglas, N. 2490, 2235
 Vagg, M.J. 913
 Valla, M.E. 968, 2438
 Vallortigara, G. 745, 1221
 Van Krey, H.P. 453, 1510, 1360
 Van Niekerk, J.H. 1475
 Van Tienhoven, A. 805, 2036
 Vantrimponte, M.N. 165, 845, 2046
 Vargas Vargas, J. 982
 Vargas, J.V. 885, 1828, 2061, 2246
 Varma, A.K. 164
 Vasilatos, R. 994, 1847
 Vatthauer, R.J. 273, 1345, 2508
 Vaughn, C.E. 1901
 Vavak, V. 1597, 1955, 2654, 1618, 1763, 308, 1569, 2204
 Vavra, Robert. 290
 VEANA. 1336
 Vecchiotti, G.G. 413, 2494
 Vegad, J.L. 813
 Ven, P.A.M. van der. 1583
 Venediktova, T. N. 1591
 Venediktova, T.N. 322, 1645, 1960
 Venkateswarlu, K. 77
 Vercruyse, G. 1035
 Verga, M. 1415, 2684, 1379, 681, 2522, 447, 1400, 1926, 718, 2018, 804
 Veris, J. 324, 2686, 316, 1613
 Verma, R.P. 430, 2136
 Versteegen, M.W.A. 1076, 2092
 Vestergaard, K. 1219, 579, 1504, 2631, 960, 2562, 1505, 2632, 1294, 1084, 811, 961, 2279, 1546, 2378, 1554, 2644, 637, 812, 2039
 VETRAX. 2218, 117, 2702, 2219, 156, 810, 2376, 1536, 2369
 Villa, J.R. 2205, 1762
 Vince, M.A. 1491
 Vince, M.A. 1113, 1495, 1494, 1496, 503, 923
 Vitale, A.F. 446, 1390
 Vizard, A.L. 2369
 Voith, V.L. 1275, 1519
 Volkov, G.K. 2409
 Voltornystyi, V.M. 314, 1598
 Voss, J.L. 535, 1181
 Vostrel, F. 324, 2686
 Vostrova, L.N. 1990
 Vosyliene, Z.M. 2198
 VPARD. 2437
 VSNAAs. 1602, 2178, 311, 1575, 2479, 314, 1598
 VTERA. 326, 2714
 VTRNA. 468, 1679
 Vuc, N.V. 430, 2136
 Vuzharova, L. 1771, 372, 1770
 Wachtl, R. 1997, 1758
 Wagnon, Kenneth A._1907-. 282, 1394, 1789
 Walberg, K. 172
 Waldman, B. 1123
 Walker, B. 2464, 2466
 Walker, J. 1861
 Wallace, S.R. 642
 Wallach, S.J.R. 1366, 1015, 2091, 1074
 Wallis, A.S. 299
 Walser, E.S. 1452, 449, 1451
 Walter, J.L. 162, 838
 Walters, E. 1452, 449, 1451
 Wangsness, P.J. 994, 1847
 Ward, J.D.B. 687, 1792
 Ward, T.M. 1491
 Waring, George H. 1055
 Warnier, A. 874, 2058
 Warriss, P.D. 1243, 2712, 2705, 75, 2506, 2699
 WARVA. 680, 125, 1790
 Waters, H. 18, 55, 2296
 Watson, J.N. 1375, 1920
 Webb, M.L. 2040, 2259
 Webb, N.G. 2495, 2570
 Weber-Forgony, A. 901, 1832
 Weber, R. 2561, 2276
 Webster, A. B. 1954-. 796
 Webster, A.B. 420, 1045
 Webster, A.J.F. 161, 836, 857, 1822, 819
 Webster, John. 133
 Weckman, T. 2416
 Wegner, R.M. 361, 2196, 1730, 341, 1696, 2589, 1163, 257, 2717, 2604
 Welby, E. 114
 Welch, A.R. 1319
 Welch, B.L. 1947
 Wells, S.M. 1214, 2119, 1384

AUTHOR INDEX

- Wemelsfelder, F. 621, 377, 2210
 Wernberg, N.E. 2397
 Wesson, J.A. 546
 Wester, A.J.F. 236, 2318
 Westermann, S. 1219
 Wezyk, S. 327, 2660, 1656
 Whatson, T.S. 1429
 White, D.J. 2209, 2688
 Whitmore, R.W. 107, 1317
 Whittington, P.E. 150, 2244, 149, 2243
 Widowski, T.M. 1272, 933, 2272, 2430, 2168
 Wiepkema, P.R. 1928-, 2230, 2022
 Wiepkema, P.R. 714, 2229, 735, 2532, 791, 1458,
 124, 678, 2704, 244, 2486, 929, 619, 2512,
 1522, 2164, 1217
 Wierenga, H.K. 2628, 1446, 1386, 840, 2549,
 1665, 1691, 1102, 2581
 Wierzbowski, T. 1619
 Wiktorsson, H. 877, 1826
 Willadsen, S. 426, 1151
 Williams, C.S.F. 384, 2298, 2086
 Williams, G. 293, 1502, 2503
 Williams, H.L. 275, 2452, 2444
 Williams, J. 516, 1085, 1876
 Williams, N.S. 2156, 1466, 784
 Willis, A.J. 105, 1010
 Wilson, J. F. 1892-. 2434
 Wilson, L.L. 899, 1422, 1428
 Wilson, P. N. 99
 Wilson, P.N. 2214
 Wilson, Richard Howard. 1507
 Wilt, J.G. de. 683, 126, 1791
 Wilt, J.G. de. 1143, 2587
 Winfield, C.G. 889, 2269, 875, 2059, 2267, 911,
 501, 180, 916, 2067, 179, 915, 2066, 851, 2048,
 2262, 1472, 2477, 1551, 2169, 2641, 1552, 510,
 1047, 520, 1101, 841
 Winnicki, S. 317, 1616, 2666, 1704, 367, 2670,
 1622, 2651, 1614
 Wise, G.H. 1912, 1302
 Witham, J.W. 1501
 Wittmann, M. 1963, 1633, 2394, 1672
 Woakes, A.J. 737
 Wodzicka-Tomaszewska, M. 1134, 1887, 1133, 614,
 922, 2068, 703, 526, 1136, 917
 Wodzicka-Tomaszewska, Manika. 481, 690
 Wolfe, P.L. 1481
 Wolski, K. 946
 Wolters, E. M. T. J. 775
 Wolters, E.M.T.J. 897
 Wolynetz, M.S. 1817, 1473
 Wood-Gush, D.G.M. 789, 144, 756, 2242, 1407,
 1408, 119, 2222, 1187, 118, 2601, 1263, 415,
 1019, 2583, 1121, 2574, 1066, 1503, 1943, 1396,
 1924, 742, 941, 555, 1311, 1894, 1186, 937,
 949, 948, 1033, 1114, 1207, 219, 1065
 Wood, V.A. 837, 2044
 Wooten-Saadi, E. 1036, 2439, 2082
 Wormuth, H.J. 192, 2716
 Worsaae, H. 2499
 Wotton, S.B. 298, 2370, 163, 2261, 149, 2243
 WPSJA. 2223, 1515, 2352, 1914, 2476, 2364, 969,
 2565, 684, 2523, 2156, 1466, 226, 1111, 2697
 WRAPA. 1483, 2158
 Wurdinger, I. 1210
 Xande, A. 1694, 1982
 Xin, Z. 907
 Yadav, R.S. 170
 Yamada, Y. 1470, 2629
 Yamasaki, F. 878
 Yang, T. 852, 1821, 2049
 Yang, T.S. 887
 Yeggy, J. 2735, 2742, 2696, 2734
 Yeomans, M. 457, 1533, 458, 1534
 Yeomans, M.R. 1271, 2733, 1117
 Yoshimoto, T. 1492, 1940, 886, 1829, 1961,
 2729, 1626, 1962, 1627, 2730, 1974, 1674
 Youket, R.J. 1873
 Yuhara, M. 533
 Zaccaro, S.J. 1416
 Zadrazil, P. 323, 2184
 Zalesky, D.D. 1481
 Zambrano Gaytan, R. 593
 Zanforlin, M. 1221
 Zappavigna, P. 2622, 1931
 Zarecky, M. 325, 1654, 2186
 Zayan, R. 964, 2564, 874, 2058, 2626, 1439,
 2615, 1381
 Zayan, Rene. 306, 1568, 748
 ZBFVA. 754, 2537, 1721, 2195
 Zeeb, K. 1279, 375, 1773, 1999, 1140, 2586, 28,
 1527
 Zeeuw, A. de. 2206
 Zel'ner, Viktor Ruvimovich. 1591
 Zenchak, J.J. 613, 1366
 ZHIVA. 1589, 2176, 1578, 2658, 1630
 ZHVNA. 369, 1764, 371, 1769
 Zimmerman, J.H. 2441
 Zirups, I.A. 1587
 Zito, C.A. 899, 1422
 ZIVYA. 328, 2661, 1657, 2188, 1690
 Zizlavsky, J. 2180, 1625
 ZNAND. 1986, 1708
 Zobell, R.S. 297, 2428, 1516
 ZPPRA. 317, 1616
 ZUECA. 1693, 596, 1737
 1903-. 2193, 1701
 1931-. 1482
 1937-. 205, 975, 2287
 1939-. 182, 919, 409
 1942-. 1507
 1945-. 1738
 1946-. 1632
 1949-. 656, 2088
 1950-. 586, 319, 1728
 1952-. 2201
 1953-. 1652



NATIONAL AGRICULTURAL LIBRARY



1022259267

YH

