

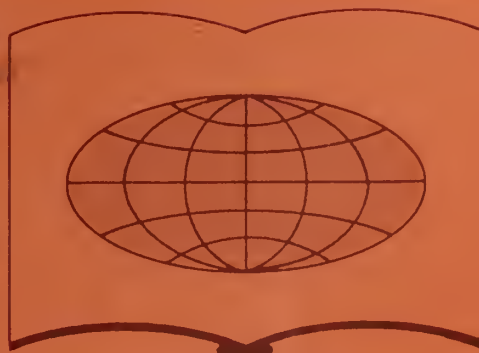
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Pesticides DOCUMENTATION BULLETIN

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A N N O U N C E M E N T

These issues of the Pesticides Documentation Bulletin introduce a new computer generated current awareness service. Through the Pesticides Information Center's Update, Publication and Search (PICUPS) system, a categorized bibliographic citation file, accompanied by subject, author, organization and biographical indices will be issued bi-weekly.

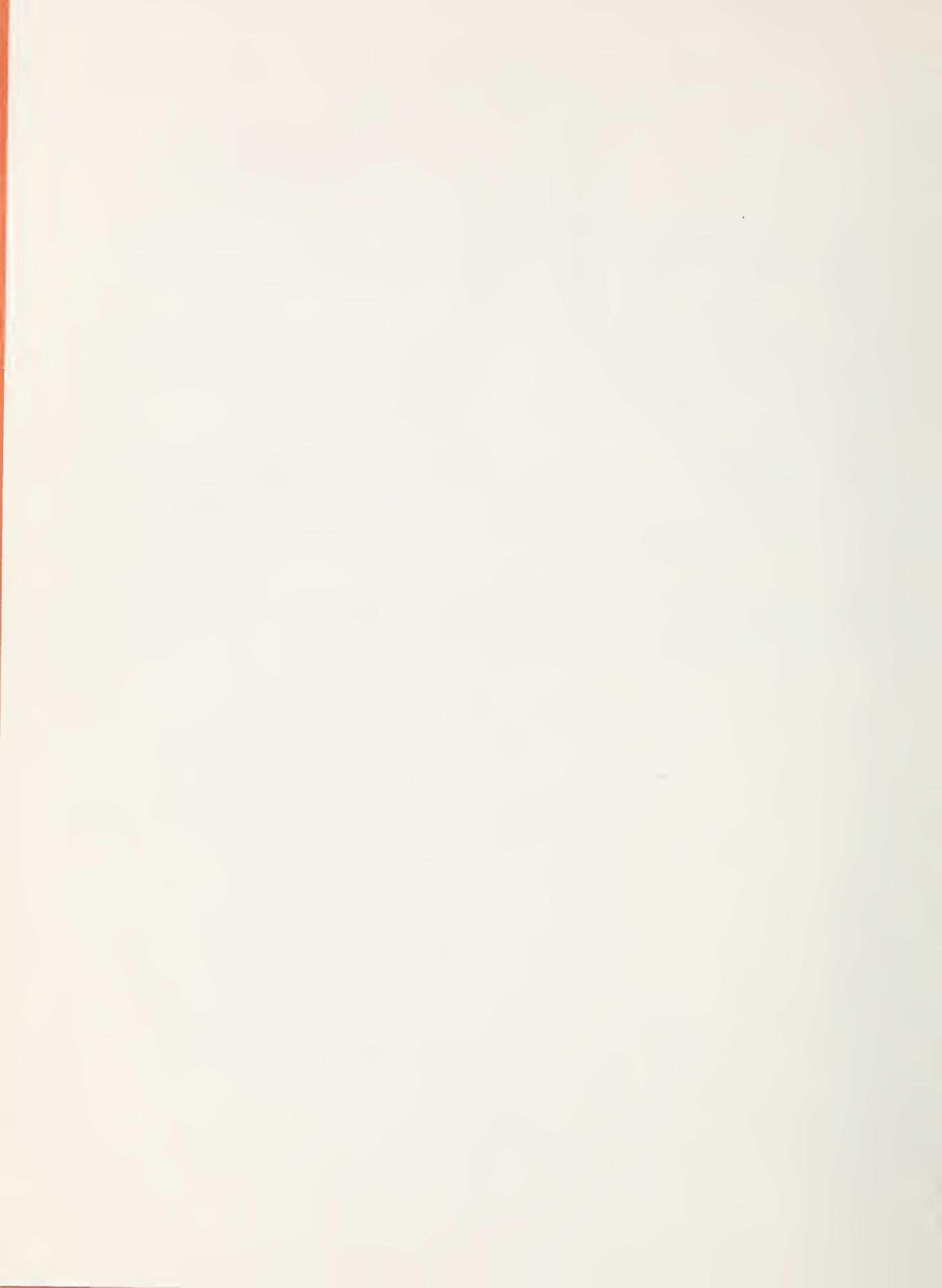
All elements of the citations maintained in this mechanized file system are searchable by computer. In addition to the printed subject descriptors appearing in the Bulletin, other subject descriptors are incorporated in the tape file system as machine searchable but non-printable items. In the early issues some of these subject terms appear in the Bulletin as duplications. These duplications will be eliminated in later programs.

Since retrospective information was not previously published in searchable form, the next several issues of the Bulletin will contain selected coverage of pest control literature issued between 1960 and 1966. Additional retrospective material will be incorporated in future bulletins through the special bibliographies prepared by the Center. Current pest control literature will receive comprehensive coverage. Future expansion will include selected abstracts when such abstracts appear in the source document.

Recipients of this introductory issue are invited to send their comments and suggestions for its improvement to the U.S. Department of Agriculture, National Agricultural Library, Pesticides Information Center, 4112-Auditors Building, Washington, D. C. 20250. These comments together with computer produced statistical analyses will provide the bases for future changes.

Blanche L. Oliveri

Blanche L. Oliveri
Acting Director
National Agricultural Library



PESTICIDES DOCUMENTATION BULLETIN

A BI-WEEKLY PUBLICATION OF

U. S. DEPARTMENT OF AGRICULTURE

Volume 4

June 7, 1968

Number 12

OBJECTIVES AND SCOPE

The Pesticides Documentation Bulletin is compiled by the Pesticides Information Center, the first of its kind to be established within a national library. It is a bi-weekly index to the literature on pests and their control and the impact on the economy and man's total environment. The index includes literature on diseases, insects, nematodes, parasites, weeds, and other pests affecting plants, animals, man, our natural resources, and other values in man's environment. Literature on biological, chemical, cultural, ecological, mechanical, and integrated methods of pest control will be included. Special emphasis is given to the literature on the toxicological, physiological and epidemiological aspects of pests and their control by chemical and nonchemical methods.

For broader coverage of literature on agriculture and related subjects, please consult the Bibliography of Agriculture, a monthly publication of the National Agricultural Library.

FORMAT

The Bulletin is a categorized bibliography, with citations arranged alphabetically by author under the following major subjects:

- 10 Entomology
- 20 Crop Protection
- 30 Livestock Protection
- 40 Commodity Protection
- 50 Environmental Contamination
- 55 Residues
- 60 Toxicology
- 65 Plant Physiology & Biochemistry
- 70 Chemistry
- 80 Engineering
- 90 Industry

Citations: Each citation consists of an accession number assigned serially with the last two digits representing the Bulletin's issue year, i.e. 3286-67. The citation number (minus the year) is used

in all indices. Following the accession number is the full title of the article; all personal authors; an abbreviated journal title; volume, issue and inclusive page numbers; date of publication; language abbreviation, if other than English; and the National Agricultural Library's call number. Subject descriptors, patent or grant numbers, bibliographer's notes, and abstracts or extracts may follow each citation when appropriate.

Subject Index: Subject descriptors appear in the index followed by title arranged numerically by accession number. The Agricultural/Biological Vocabulary developed by the National Agricultural Library is used as a basic thesaurus of descriptors.

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ACKNOWLEDGMENT

The Pesticides Information Center, National Agricultural Library, gratefully acknowledges the cooperation and assistance of the Department of Defense; Health, Education, and Welfare; and Interior; the Federal Committee on Pest Control, and state and industrial organizations in the development of the Center and preparation of this Bulletin. Special thanks are expressed to the Federal Committee on Pest Control for its suggestions and support. We hope the Bulletin will serve as an example of the effectiveness of interdepartmental cooperation and the speed with which effective services can be developed through a coordinated and cooperative interdepartmental effort.

TABLE OF CONTENTS

| Items | Page |
|--------------------------------------|------|
| BIBLIOGRAPHY (Citations) | |
| 10 ENTOMOLOGY | 1 |
| Systematics | 1 |
| Physiology and Biochemistry | 4 |
| Genetics | 11 |
| Medical Entomology | 12 |
| 20 CROP PROTECTION | 14 |
| Diseases | 14 |
| Arthropods | 20 |
| Nematodes | 25 |
| Weeds | 25 |
| Other Pests | * |
| 30 LIVESTOCK PROTECTION | 27 |
| Diseases | 27 |
| Arthropods | 29 |
| Parasites | 30 |
| 40 COMMODITY PROTECTION | 31 |
| Storage Diseases | 31 |
| Arthropods | 31 |
| Rodents and Other Pests | 32 |
| Microbial Contamination | 32 |
| 50 ENVIRONMENTAL CONTAMINATION | 33 |
| 55 RESIDUES | 34 |
| 60 TOXICOLOGY | 37 |
| 65 PLANT PHYSIOLOGY AND BIOCHEMISTRY | 39 |
| 70 CHEMISTRY | 41 |
| 80 ENGINEERING | 44 |
| 90 INDUSTRY | 45 |
| Economics | 45 |
| Education | 45 |
| Regulations | 45 |
| SUBJECT INDEX | 47 |
| BIOGRAPHICAL INDEX | 117 |
| AUTHOR INDEX | 119 |
| ORGANIZATIONAL INDEX | 123 |

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10 ENTOMOLOGY

Systematics

- 12932-68
NEW ORIBATEIDS (ACARI) FROM AUSTRALIAN SOILS.
J Balogh Mahunka
Rovartani Közlemenyek 19(33):553-468
1966 420 SO12
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J Baraud
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Jan 1967 420 F84E
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1966 420 SC12
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1966 420 5012
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Chiefly collection records.
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R Zur Strassen
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Malathion, Toxicity.
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Chemical control (insects), Culicidae, Penthion, Insecticides,
Malathion, Maled, Ultra low volume application.
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ADULT MOSQUITOES.
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Vorticella.
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INSECTICIDES FOR USE AGAINST Aedes Aegypti.
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01 Feb 1967 420 N38E
Gooseberries, *Holocremnus canaliculatus*, Parasitic insects,
Pristiphora pallipes.
English summary.
- 13230-68
EFFECTS OF TOMATO RINGSPOT VIRUS PLANT AND FRUIT
DEVELOPMENT OF RASPBERRIES.
J A Freeman R Stace-Smith
Can J Plant Sci 48(1):25-29
Jan 1968 45D C16
Plant physiology, Raspberries, Ring spot (raspberries),
Virus diseases (plants).
- 13231-68
MICRO-ORGANISMS IN THE ROOT REGION OF WHEAT. LITERATURE
REVIEW. (GE)
W Gams
Berlin Biol Bundesanst Land-forstwirtschaft Mitt 123,77 P. REF
Jun 1967 410.9 G31M
Fungus diseases (plants), Reviews, Soil microorganisms, Wheat.
English summary
Abstract
- 13232-68
SOME ASPECTS OF THE BARLEY YELLOW DWARF VIRUS DISEASE IN
MANITOBA.
C C Gill
Entomol Soc Manitoba Proc 22:25
1966 420 EN88
Barley, Canada, Virus diseases (plants),
Yellow dwarf (barley).
- 13233-68
BUTT ROT IN YELLOW-POPLAR SEEDLING-SPROUT STANDS.
J H Ginns R P True
13(4):440-447 REF
Dec 1967
Butt rot (trees), *Liriodendron tulipifera*, Seedlings,
Tree diseases.
Abstract
- 13234-68
THE BIOCHEMISTRY AND PHYSIOLOGY OF INFECTIOUS PLANT DISEASE.
SB601 .66.
R N Goodman Z Kiraly M Zaitlan
354 P. REF.D. VAN NOSTRAND CO. PRINCETON NEW JERSEY
1967
Plant biochemistry, Plant diseases, Plant physiology.
- 13235-68
TIME OF STEM RUST APPEARANCE ON WHEAT IN THE WESTERN
MISSISSIPPI BASIN IN RELATION TO THE DEVELOPMENT OF
EPIDEMICS FROM 1921 TO 1962.
L M Hamilton E C Stakman
Phytopathology 57(6):609-613
Jun 1967 464.8 P56
Puccinia graminis tritici, Stem rust (wheat).
Minnesota Agricultural Experiment Station cooperating.
Abstract:
annual dates are listed for the first appearance of stem
rust on wheat in six selected areas. epidemics did not occur
in all early-rust years because of lack of one or more of
the variables conducive to severe rust.

- 13236-68
MITOCHONDRIAL ACTIVITIES OF DETACHED TOBACCO LEAVES INFECTED WITH TOBACCO MOSAIC VIRUS: THE POSSIBLE SOURCE OF ENERGY FOR VIRUS MULTIPLICATION. IN: MIROCHA, C. J., AND URITANI, I., ED. THE DYNAMIC ROLE OF MOLECULAR CONSTITUENTS IN PLANT-PARASITE INTERACTION; PROCEEDINGS OF A CONFERENCE HELD MAY 15-21, 1966, GAMAGORI, JAPAN. SB611.C6.
T Hirai T Takahashi
270-2B2 REF AMERICAN PHYTOPATHOLOGICAL SOCIETY
1967
Mitochondria, Tobacco, Tobacco mosaic virus.
- 13237-68
HEAT TREATMENT AND MERISTEM CULTURE FOR THE PRODUCTION OF VIRUS-FREE PLANT MATERIAL.
J G Ten Houten F Quak F A Van Der Meer
Neth J Plant Pathol 74(1):17-24 REF
1968 464.8 144
Heat, Plant disease control, Tissue culture, Virus diseases (plants).
Dutch summary
Abstract
- 13238-68
HISTIOLOGY OF CROWNARTIUM QUERCUM GALLS ON SHORLEAF PINE.
F F Jewell N M Walker
Phytopathology 57(6):545-55D REF
Jun 1967 464.B P56
Cronartium quercuum, Pinus echinata, Plant galls, Tree diseases.
Abstract
- 13239-68
EFFECT OF FUCCINIA RECONDITA INFECTION ON THE RNA COMPOSITION OF WHEAT LEAVES.
L B Johnson P P Zscheile B L Brannaman
Phytopathology 57(6):632-638 REF
Jun 1967 464.8 P56
Fungus diseases (plants), Puccinia recondita, Ribonucleic acid, Stem rust (wheat), Wheat.
Abstract:
as disease developed, total RNA nucleotide content dropped below that of healthy leaves. individual RNA nucleotide contents changed differently with rust development.
- 13240-68
POLYMERIZATION-DEPOLYMERIZATION OF TOBACCO MOSAIC VIRUS PROTEIN. X. EFFECT OF D2O.
M T M Khalil M A Laufer
Biochemistry 6(8):2474-2480 REF
Aug 1967 381 E523
Heavy water, Mosaic (tobacco), Polymerization, Proteins, Viruses.
Abstract
- 13241-68
CERCOSPORIA LEAF FLECK DISEASE OF BEETS. (GE)
R Krexner
Vienna Bundesanst Pflanzenschutz Flugbl 22, 3 P.
1966 464.9 V672F
Cercospora beticola, Fungus diseases (plants), Leaf spot (sugar beets).
- 13242-68
INFLUENCE OF POTASSIUM CHLORIDE ON THE INTERRELATIONSHIP OF FUNGI AND A NEMATODE IN ALFALFA ROOTS. (ABSTRACT).
V D Kushner H W Crittenden
Phytopathology 57(7):646
Jul 1967 464.8 P56
Alfalfa, Fungus diseases (plants), Fusarium, Meloidogyne incognita acrita, Plant nematodes, Potassium chloride.
- 13243-68
SOYBEAN BOOY AND STEM ROT CAUSED BY RHIZOCTONIA SOLANI, 1966.
R C Lambie J M Dunleavy
Plant Dis Rep 51(10):872
Oct 1967 1.9 F69P
Rhizoctonia solani, Boot rot (soybeans), Soybeans, Stem rot (soybeans).
- 13244-68
THE EFFECT OF FAVORABLE PERIODS FOR INFECTION ON DEVELOPMENT OF STEM RUST IN FIELD PLOTS OF WHEAT. (ABSTRACT).
R F Line C E Feet C H Kingsolver
Phytopathology 57(7):647
Jul 1967 464.B P56
Humidity, Stem rust (wheat), Temperature.
- 13245-68
EFFECT OF THIELAVIOPSIS BASICOLA ROOT ROT OF COTTON ON INCIDENCE AND SEVERITY OF VERTICILLIUM WILT.
D E Mathre B H Garber A V Ravenscroft
Phytopathology 57(6):604-608 REF
Jun 1967 464.8 P56
Root rot (cotton), Thielaviopsis basicola, Verticillium albo-atrum, Wilt (cotton).
Abstract:
field studies confirmed greenhouse results that low to medium levels of T. basicola do not increase the incidence or severity of Verticillium wilt symptoms in Acala 4-42 cotton.
- 13246-68
EFFECT OF SOIL MOISTURE AND SOIL TEMPERATURE ON BLACK SHANK DISEASE DEVELOPMENT IN TOBACCO.
S M McCarter
Phytopathology 57(7):691-695 REF
Jul 1967 464.B P56
Black shank (tobacco), Crop varieties, Phytophthora parasitica nicotianae, Plant disease resistance, Soil moisture, Soil temperature.
Abstract
- 13247-68
DIFFERENTIAL RESISTANCE OF CELL WALLS OF ACER PSEUDO-PLATANUS, TRITICUM VULGARE, HORDEUM VULGARE, AND ZEA MAYS TO POLYSACCHARIDE-DEGRADING ENZYMES.
J M McNab D J Nevins P Albersheim
Phytopathology 57(6):625-631 REF
Jun 1967 464.8 P56
Barley, Cell wall, Colletotrichum lindemuthianum, Corn, Enzymes, Plant disease resistance, Polysaccharides, Wheat.
Abstract:
it was found that these enzymes degrade the various samples differently removing specific sugars in each case. thus, cell walls with similar compositions are differentially attacked by enzymes, a factor which may contribute to variable disease resistance.
- 13248-68
THE DYNAMIC ROLE OF MOLECULAR CONSTITUENTS IN PLANT-PARASITE INTERACTION; PROCEEDINGS OF A CONFERENCE HELD MAY 15-21 1966 AT GAMAGORI, JAPAN. SB611.C6.
C J Mirocha I Uritani
372 P. REF
1966
Molecular biology, Parasitism, Plant anatomy, Plant diseases.
- 13249-68
BIOCHEMISTRY OF VIRUS INFECTION. V. CHANGE IN NUCLEAR CONTENT OF HOST CELLS INFECTED BY VIRUS. IN: MIROCHA, C. J., AND URITANI, I., ED. THE DYNAMIC ROLE OF MOLECULAR CONSTITUENTS IN PLANT-PARASITE INTERACTION. PROCEEDINGS, CONFERENCE HELD MAY 15-21, 1966, GAMAGORI, JAPAN. SB611.C6.
T Misawa S Kato
256-269 REF AMERICAN PHYTOPATHOLOGICAL SOCIETY
1967
Biochemistry, Cells, Tobacco, Virus diseases (plants).
- 13250-68
EFFECT OF CALCIUM NUTRITION ON BLACK SHANK OF TOBACCO. (ABSTRACT).
L D Moore W H Willis
Phytopathology 57(7):647
Jul 1967 464.8 P56
Black shank (tobacco), Calcium, Fungus diseases (plants), Phytophthora parasitica nicotianae, Plant disease resistance, Tobacco.
- 13251-68
EXPERIMENTS ON CONTROLLING STRAWBERRY BOTRYTIS ROT BY SPRAYING. SB953.M6.
M H Moore A H M Kirby M Bennett
116-120 REF
1966
Botrytis, Fungicides, Plant disease control, Rot (strawberries), Strawberries.
- 13252-68
HOW PLANTS FIGHT DISEASE.
K O Muller
Sci J 2(5):57-61
May 1966 Q1.S34
Fungus diseases (plants), Plant disease resistance.

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- 13253-66
SELECTIVE MEDIA TO DISTINGUISH BETWEEN TWO ROTRYTIS SPECIES ON ONION.
D Metzger I Dishon
Phytopathology 57(7):795-796
Jul 1967 464.8 P56
Rotrytis allii, Rotrytis cinerea, Culture media, Onions.
- 13254-68
FACTORS AFFECTING TRANSMISSION OF TRISTEZA VIRUS BY MELON AFBIDS.
P A Norman
J Econ Entomol 61(1):238-242 REF
Feb 1968 421 J822
Aphis gossypii, Food plants, Host indexing (plants), Indicator plants, Insect behavior, Insect populations, Insect vectors, Plant disease transmission, Tristeza (citrus), Virus diseases (plants).
Abstract
- 13255-66
ROLE OF PARASITE ENZYME AND TOXINS IN DEVELOPMENT OF CHARACTERISTIC SYMPTOMS IN PLANT DISEASE. IN: MIROCHA, C. J., AND UETANI, I., ED. THE DYNAMIC ROLE OF MOLECULAR CONSTITUENTS IN PLANT-PARASITE INTERACTION. PROCEEDINGS, CONFERENCE HELD MAY 15-21, 1966, GAMAGORI, JAPAN. S8611.C6.
H Oku
237-255 REF AMERICAN PHYTOPATHOLOGICAL SOCIETY
1967
Enzymes, Parasitism, Plant diseases, Toxins.
- 13256-66
COMPARATIVE SURVIVAL OF MONOBASIDIAL CULTURES OF THANATEPHORUS CUCUMERIS IN SCIL.
C M Oisen N T Flentje K P Baker
Phytopathology 57(6):598-601 REF
Jun 1967 464.8 P56
Rhizoctonia solani, Soil microbiology, Steam, Thanatephorus cucumeris.
Abstract:
the survival ability of the isolates was not related to their compatibility, since one of the best survivors anastomosed with one of the poorest.
- 13257-68
J W Oswald
Phytopathology 50(7):504-508
Jul 1960 464.8 P56
Agricultural education, Plant diseases.
- 13258-68
A QUANTITATIVE ASSAY METHOD FOR OBSERVING AND ENUMERATING PROTAGONES OF ROOT-INFECTING FUNGI. (ABSTRACT).
G C Papavizas
Phytopathology 57(7):648
Jul 1967 464.8 P56
Fungus diseases (plants), Fusarium, Helminthosporium, Roots, Seedlings, Soil fungi, Thielaviopsis.
- 13259-68
SUSCEPTIBILITY OF MEMBERS OF THE ROSACEAE TO RACES OF PHYTOPTHORA FRAGARIAE.
H S Pepin
Phytopathology 57(7):782-784
Jul 1967 464.8 P56
Phytophthora fragariae, Plant disease resistance, Rosaceae.
Abstract
- 13260-68
CHENOPODIUM QUINCA, A HERRACEOUS TEST PLANT FOR CHLOROTIC LEAF SPOT VIRUS IN APPLE.
H J Pfaeltzer
Neth J Plant Pathol 74(1):12-16
1968 464.8 T44
Chlorotic leafspot (apples), Virus diseases (plants).
Dutch summary
Abstract
- 13261-68
NOTE ON THE EFFECT OF N, P, AND K IN SEVERAL ALBERTA SOILS ON THE RESISTANCE OF GATEWAY BARLEY TO THE NET BLOTCH DISEASE.
L J Piening
Can J Plant Sci 47(6):713-715
Nov 1967 450 C16
Barley, Crop varieties, Fungus diseases (plants), Net blotch (barley), Nitrogen, Phosphorus, Potassium, Pyrenophora teres.
- 13262-68
REACTIONS OF PEACH TREES AND PEACH TREE VIRUSES TO TREATMENT WITH DIMETHYL SULFOXIDE AND OTHER CHEMICALS.
T S Pine
Phytopathology 57(7):671-673
Jul 1967 464.8 P56
Dimethyl sulfoxide, Formaldehyde, Necrotic ring spot (peaches), Peaches, Virucides, Virus diseases (plants).
Abstract
- 13263-68
QUALITATIVE AND QUANTITATIVE ASPECTS OF THE GRADUATE CURRICULUM IN PLANT PATHOLOGY.
G S Pound
Phytopathology 50(7):500-504
Jul 1960 464.8 P56
Agricultural education, Plant diseases.
- 13264-68
SOME PROPERTIES OF A GERMINATION INHIBITOR FROM PUCCINIA SORGHU UREDOSPORES. (ABSTRACT).
N J Pritchard
Phytopathology 57(7):648
Jul 1967 464.8 P56
Plant growth inhibitors, Puccinia sorghi.
A self-inhibitor.
- 13265-68
DIFFERENCES IN AGGRESSIVENESS BETWEEN TMV-ISOLATES FROM TOMATO ON CLONES OF LYCOPERSICON PERUVIANUM.
A T R Rast
Neth J Plant Pathol 73(516):186-189
1967 464.8 T44
Mosaic (tomatoes), Tobacco mosaic virus, Tomatoes, Virus diseases (plants).
English and Dutch summaries
Abstract
- 13266-68
YIELD OF GLASSHOUSE TOMATOES AS AFFECTED BY STRAINS OF TOBACCO MOSAIC VIRUS.
A T R Rast
Neth J Plant Pathol 73(516):147-156 REF
1967 464.8 T44
Crop yields, Greenhouse culture, Mosaic (tomatoes), Tobacco mosaic virus, Tomatoes, Virus diseases (plants).
Dutch summary
Abstract
- 13267-68
INCIDENCE IN THE CULTURE OF OIL PALM OF FUSARIUM POPULATIONS IN THE SOIL OF THE SAVANNA IN THE LOWER IVORY COAST. (PR)
J L Renard
Rev Mycol 32(3):211-227 REF
Nov 1967 450 AN74
African oilpalm, Fusarium, Savannas, Soils.
Abstract
- 13268-68
PURIFICATION AND PHYSICO-CHEMICAL PROPERTIES OF THE WISCONSIN PEA STREAK VIRUS.
E Rosenkranz D J Hagedorn
Phytopathology 57(6):551-558 REF
Jun 1967 464.8 P56
Streak (peas).
Abstract
- 13269-68
LINKAGE STUDIES ON THE RESISTANCE TO BACTERIAL LEAF BLIGHT, XANTHOMONAS ORYZAE (UYEDA ET ISHIYAMA) DOWSON, IN RICE. (JA)
S Sakaguchi
Tokyo Nat Inst Agr Sci Bull Ser D 16:1-18 REF
Feb 1967 451 C433
Bacterial leaf blight (rice), Plant disease resistance, Plant genetics, Rice, Xanthomonas.
English summary
Abstract
- 13270-68
EVALUATION OF THE RELATIVE IMPORTANCE OF SOIL AND SEED AS SOURCE OF THE INOCULUM OF SILVER SCURF OF POTATOES BY MEANS OF A REPRESSION TEST. (PR)
J Santree
Can J Plant Sci 47(6):695-702 REF
Nov 1967 450 C16
Fungus diseases (plants), Plant disease transmission, Potatoes, Seeds, Silver scurf (potatoes), Soils, Spondylocladium atrovirens.

- English and French abstracts
Abstract
- 13271-68
PATHOGEN-PRODUCED DETERMINANTS OF DISEASE AND THEIR EFFECTS ON HOST PLANTS. IN: MIROCHA, C. J., AND UBITANI, I., ED. THE DYNAMIC ROLE OF MOLECULAR CONSTITUENTS IN PLANT-PARASITE INTERACTION. PROCEEDINGS, CONFERENCE HELD MAY 15-21, 1966, GAMAGORI, JAPAN. SR611.C6.
R P Scheifer E R Fringle
217-236 REF AMERICAN PHYTOPATHOLOGICAL SOCIETY
1967
Host specificity, Microorganisms, Plant diseases.
- 13272-68
PURIFICATION OF TURNIP MOSAIC VIRUS.
R J Shepherd G S Fonnd
Phytopathology 50(11):797-803
Nov 1960 464.8 P56
Mosaic (turnips).
- 13273-68
POLYMERIZATION-DEFLYMERIZATION OF TOBACCO MOSAIC VIRUS PROTEIN. VIII. LIGHT-SCATTERING STUDIES.
C E Smith M A Lauffer
Biochemistry 6(8):2457-2465 REF
Aug 1967 381 P523
Light scattering, Mosaic (tobacco), Polymerization, Proteins, Viruses.
Abstract
- 13274-68
INFLUENCE OF HOST-PARASITE INTERACTIONS ON PROTEIN ENZYMES, AND RESISTANCE. IN: MIROCHA, C. J., AND UBITANI, I., ED. THE DYNAMIC ROLE OF MOLECULAR CONSTITUENTS IN PLANT-PARASITE INTERACTION. PROCEEDING, CONFERENCE HELD MAY 15-21, 1966, GAMAGORI JAPAN. SR611.C6.
M A Stabmann
357-372 REF AMERICAN PHYTOPATHOLOGICAL SOCIETY
1967
Enzymes, Host specificity, Parasitism, Plant disease resistance, Plant proteins, Sweetpotatoes.
- 13275-68
INFLUENCE OF LIGHT INTENSITY ON THE REACTIONS OF WHEAT AND BARLEY SEEDLINGS TO PUCCINIA STRIIFORMIS.
R W Stubbs
Phytopathology 57(6):615-617 REF
Jnn 1967 464.8 P56
Barley, Fungus diseases (plants), Light, Puccinia striiformis, Stripe rust (grain), wheat.
Abstract:
light intensity, both of daylight and of artificial lights influences the response of some wheat varieties to infection with Puccinia striiformis. the effect is an increase in infection type by reduction of light intensity, as displayed by the wheat varieties Carsten's V. Chinese Spring, and Cappelle Desprez. a reverse effect is shown by the barley variety Topper when daylight decrease in autumn and winter.
- 13276-68
SCHE PROPERTIES OF THE DOUBLE-STANDARD RNA OF RICE DWARF VIRUS. IN: MIROCHA, C. J., AND UBITANI, I., ED. THE DYNAMIC ROLE OF MOLECULAR CONSTITUENTS IN PLANT-PARASITE INTERACTION. PROCEEDINGS, CONFERENCE HELD MAY 15-21, 1966, GAMAGORI, JAPAN. SR611.C6.
N Suzuki
300-312 REF AMERICAN PHYTOPATHOLOGICAL SOCIETY
1967
Dwarf disease (rice), Ribonucleic acid, Rice, Virus diseases (plants).
- 13277-68
THE BIOCHEMISTRY OF PLANT VIRUS INFECTION. IN: MIROCHA, C. J., AND UBITANI, I., ED. THE DYNAMIC ROLE OF MOLECULAR CONSTITUENTS IN PLANT-PARASITE INTERACTION; PROCEEDINGS OF A CONFERENCE HELD MAY 15-21, 1966, GAMAGORI, JAPAN. SR611.C6.
W N Takahashi
283-299 REF AMERICAN PHYTOPATHOLOGICAL SOCIETY
1967
Biochemistry, Virus diseases (plants).
- 13278-68
BIOCHEMICAL RESPONSE OF PLANTS TO TOXINS PRODUCED BY THE RICE BLAST FUNGUS. IN: MIROCHA, C. J., AND UBITANI, I., ED. THE DYNAMIC ROLE OF MOLECULAR CONSTITUENTS IN PLANT-PARASITE INTERACTION. PROCEEDINGS, CONFERENCE HELD MAY 15-21, 1966, GAMAGORI, JAPAN. SR611.C6.
- K Tamari N Ogasawara J Kaji
203-216 REF AMERICAN PHYTOPATHOLOGICAL SOCIETY
1967
Blast (rice), Fungus diseases (plants), Picolinic, Piricularia oryzae, Piricularin, Rice, Toxins.
- 13279-68
FRASER OATS.
D K Taylor
Can J Plant Sci 48(1):107
Jan 1968 450 C16
Crop varieties, Fungus diseases (plants), Oats, Plant disease resistance, Smut (oats), Stem rust (oats).
- 13280-68
BLACK-POD DISEASE OF THEOBROMA CACAO. (ABSTRACT).
C A Thorold
Rev Appl Mycol 46(5):225-237 REF
May 1967 450 R328
Black pod (cacao), Fungus diseases (plants), Phytophthora palmivora.
- 13281-68
STUDIES ON THE BIOLOGY OF BOTRYTIS ALLII ON ALLIUM CEPA.
G M Tichelaar
Neth J Plant Pathol 73(5/6):157-160
1967 464.8 T44
Botrytis allii, Fungus diseases (plants), Neck rot (onions), Onions.
Dutch summary
Abstract
- 13282-68
THE RELATION OF METABOLIC CHANGES IN INFECTED PLANTS TO CHANGES IN ENZYMIC ACTIVITY. IN: MIROCHA, C. J., AND UBITANI, I., ED. THE DYNAMIC ROLE OF MOLECULAR CONSTITUENTS IN PLANT-PARASITE INTERACTION. PROCEEDINGS, CONFERENCE HELD MAY 15-21, 1966. SR611.C6.
I Uritani T Asahi T Minamikawa H Hyodo K Oshima M Kojima
342-356 REF AMERICAN PHYTOPATHOLOGICAL SOCIETY
1967
Enzymes, Plant diseases, Plant metabolism, Sweetpotatoes.
- 13283-68
THE OCCURRENCE OF ACID HYDROLYZABLE PHENOLICS IN RELATION TO FUSARIUM WILT DISEASE IN TOMATO PLANTS.
L Van Den Briel
Neth J Plant Pathol 73(4):126-128
1967 464.8 T44
Fungus diseases (plants), Fusarium, Phenols, Plant biochemistry, Tomatoes, Wilt (tomatoes).
English and Dutch summaries
Abstract
- 13284-68
STUDIES ON BOTRYTIS CINEREA IN TOMATOES INFLUENCE OF METHODS OF DELEAFING ON THE OCCURRENCE OF STEM LESIONS.
K Verhoeff
Neth J Plant Pathol 73(4):117-120
1967 464.8 T44
Botrytis cinerea, Fungus diseases (plants), Tomatoes.
English and Dutch summaries
Abstract
- 13285-68
ISOLATION, INCIDENCE, AND VIRULENCE OF ASCOCHYTA SPP. OF PEAS FROM THE SOIL.
V R Wallen S I Wong J Jeun
Can J Bot 45(12):2243-2247 REF
Dec 1967 470 C16C
Ascochyta, Fungus diseases (plants), Peas.
Abstract
- 13286-68
THE DETERMINATION OF DDT DEPOSITED ON COTTON PLANTS IN AN AIRSPRAY TRIAL IN TANZANIA.
D J Webley R R Parish
Arnsha Trop Pesticides Res Inst Misc Rep 598,11 P
Jan 1967 423.92 G7922
Aerial spraying, Cotton, Ddt, Heliothis armigera, Persistence.
- 13287-68
THE STEMPHYLIUM LEAF SPOT COMPLEX ON BLUE LUPINE.
R D Wells I Forbes Jr J R Edvardson
Plant Dis Rep 45(9):725-727, TABS.
15 Sep 1961 1.9 P69P
Blue lupine, Gray leafspot, Leaf spot (blue lupine), Lupine, Lupinus angustifolius, Stemphylium botryosum Wallr..

2D 132R8-68

132R8-66

WIRDS ETIOLOGY OF FOLIAR VEIN-FLECKING OR RING PATTERN,
AND FRUIT RUSSETING OR BLOTCH ON APPLE.

M F Welsh J May
Can J Plant Sci 47(6):703-708
Nov 1967 45D C16

Apples, Russet ring (apples), Russeting (apples),
Virus diseases (plants).
Abstract

132R9-6R

INFLUENCE OF SOME ENVIRONMENTAL FACTORS ON THE
SUSCEPTIBILITY OF PISUM SATIVUM TO ROTRYTIS CINEREA. (DU)

T F Wijnngaarden J Ellen
Neth J Plant Pathol 74(1):8-11
1968 464.8 T44

Botrytis cinerea, Calcium, Fungus diseases (plants),
Magnesium, Feas, Plant ecology,
Plant nutritional deficiencies, Potassium, Temperature.
English summary
Abstract

13290-66

BACTERIAL PHLOEM CANCKER, A NEW DISEASE OF PERSIAN WALNUT
TREES.

E E Wilson F M Zeitsun D L Fredrickson
57(6):618-621
Jun 1967

Bacterial phloem canker (persian walnuts),
Erwinia rubrifaciens, Persian walnuts, Plant taxonomy,
Tree diseases.

Abstract:
The phloem canker pathogen, is considered to be a new
species and the name Erwinia rubrifaciens sp n is
proposed.

13291-68

BLACK SPOT OF ROSE (MARSSONIA ROSAE LIB.). (GE)

W Wittmann
Vienna Bundesanst Pflanzenschutz Elugbl 116, 1 P.
1966 464.9 V672F

Black spot (rosa), Diplocarpon rosae,
Fungus diseases (plants).

13292-68

AN INHIBITORY EFFECT OF LIGHT ON THE INFECTION BY BROWN
LEAF RUST OF WHEAT.

J C Zadoks
Neth J Plant Pathol 73(2):52-54
1967 464.8 T44

Fungus diseases (plants), Leaf rust (wheat), Light.
Dutch summary

13293-68

ON HEAT TREATMENT OF CHRYSANTHEMUM MORIFOLIUM AGAINST
PUCCINIA CHRISANTHEMI.

J C Zadoks C A M Groenewegen R Zandvoort
Neth J Plant Pathol 74(1):25-27
1968 464.8 T44

Chrysanthemum, Fungus diseases (plants), Heat,
Plant disease control.
Dutch summary

13294-6E

HELMINTHOSPORIUM ORYZAE BREDA DE BAAN, BROWN SPOT OF RICE.

(FR)
C Zambettakis
Pistes Phytopathol Trop 21,7 P. REF
1967 464.8 F44

Brown spot (rice), Fungus diseases (plants),
Helminthosporium oryzae.

13295-68

SEED DISINFECTION. (GE)

R Zwatz
Vienna Bundesanst Pflanzenschutz Flugbl 36, 3 P.
1966 464.9 V672F

Chemical control (plant diseases), Seed treatment.

Arthropods

13296-68

DEVELOPMENT OF RESISTANCE BY THE TOBACCO RUDWORM TO ENDRIN
AND CARBARYL.

P L Adkisson
J Econ Entomol 61(1):37-4D
Feb 1968 421 JR22

Carbaryl, Endrin, Heliothis virescens,
Insecticide resistant insects, Tobacco.
Abstract

13297-68

EVALUATION OF INSECTICIDES FOR CONTROL OF THE SUGAR-BEET
MAGGOT IN MANITIBA.

W R Allen W L Askev
Entomol Soc Manitoba Proc 22:65-71 REF
1966 420 EN88

Carbamates, Chemical control (insects),
Chlorinated hydrocarbons, Insecticides,
Organophosphorus compounds, Tetanops myopaeformis.
Abstract

13298-6R

IPS BARK BEETLE ATTACKS AND BROOD DEVELOPMENT ON A
LIGHTNING-STRUCK PINE IN RELATION TO ITS PHYSIOLOGICAL
DECLINE.

N H Anderson D B Anderson
Fla Entomol 51(1):23-30 REF
Mar 1968 42D F662

Forest insects, Insect physiology, Ips avulsus,
Ips calligraphus, Ips grandicollis, Lightning, Pinus,
Plant physiological diseases.
Abstract

13299-68

BIOLOGY OF RADICOLDS APHIDS ON MAIZE. (HU)

P Andrasfalvy
Rowartani Közlemenyek 19(22):403-427, REF.
1966 420 S012

Aphididae, Corn, Insect biology, Roots, Dlus.
French summary.

13300-6R

OSTRINIA NUBILALIS RURNER, INJURIOUS TO GLOBE ARTICHOKE IN
EGYPT (LEPIDOPTERA: PYRALIDAE).

M A H Assen El S A Nasr
Soc Entomol Egypte Bull 49:71-73
1966 420 EGR

Artichokes, Chemical control (insects), Insect pests,
Ostrinia nubilalis, Trichlorfon.

13301-68

THE PICK-UP AND PENETRATION OF ULTRA-LOW-VOLUME AND EMULSI-
FIABLE CONCENTRATE MALATHION FORMULATIONS BY TOBACCO RUDWORM
LARVAE.

T M Awad S B Vinson
J Econ Entomol 61(1):242-245
Feb 1968 421 J822

Cotton, Emulsions, Formulations, Heliothis virescens,
Malathion.
Abstract

13302-68

EFFECTS OF NATURAL (SORGHUM) AND ARTIFICIAL (WHEAT GERM)
DIETS ON DEVELOPMENT OF THE CORN EARWORM, FALL ARMYWORM,
AND SOUTHWESTERN CORN BORER.

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J Econ Entomol 61(1):257-260 REF
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Heliothis zea, Insect nutrition, Insect physiology, Sorghum,
Spodoptera frugiperda, Wheat germ, Zeadiatraea grandiosella.
Abstract

13303-68

THE CONTROL OF THE CARPOCAPSA POMONELLA AND THE FRUIT
ACARIDS. (BU)

A Ralevsky
Rast Zashch 15(6):20-23
1967 423.92 S02

Apples, Carpocapsa pomonella, Mites.

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RESISTANCE TO ORGANOCHLORINE INSECTICIDES IN THE TUBER FLEA BEETLE, *EPIHEMIS TUBERIS* GEM (COLEOPTERA: CHRYSOMELIDAE), IN BRITISH COLUMBIA.
F L Banham D G Finlayson
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Chlorinated hydrocarbons, Ddt, Diazinon, Dieldrin, Epitrix tuberis, Insecticide resistant insects, Potatoes.
Abstract
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FIELD EVALUATION OF TEMIK AGAINST SOME INSECTS AND MITES ATTACKING CITRUS.
J C Ebling H A Dean
J Econ Entomol 61(1):313-315
Feb 1968 421 J822
Chemical control (insects), Citrus, Evaluation, Insect pests, Insecticides, Mites, Temik.
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NATURE OF AGECHLOROGENSIS AND SIGNIFICANCE TO INTEGRATED CONTROL. IN: FAO SYMPOSIUM ON INTEGRATED PEST CONTROL, ROME, 1965. PROCEEDINGS. SB951. P62.
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SPECTROPHOTOMETRIC DETERMINATION OF 6-METHOXY-2-BENZOXAZOLINONE, AN INDICATOR OF RESISTANCE TO EUROPEAN CORN FLEA BEETLE IN ZEA MAIS.
M C Bowman M Beroza J A Klun
J Econ Entomol 61(1):120-123
Feb 1968 421 J822
Benzoxazolinone, Corn, Fluorometry, Methoxy-2-benzoxazolinone, 6-, Cstrinia nubilalis, Plant pest resistance, Spectrophotometry.
Abstract
- 13309-68
HOST RANGE OF LARVAE OF THE NORTHERN CORN ROOTWORM (COLEOPTERA: CHRYSOMELIDAE).
T F Branson E E Ortman
Kans Entomol Soc J 40(3):412-414
Jul 1967 420 K13
Corn, Diabrotica longicornis, Fertility, Food plants, Setaria viridis, wheat.
Abstract
- 13310-68
PHYTOTOXICITY AND WIREWORM-CONTROL EFFICACY OF INSECTICIDAL DRESSINGS APPLIED TO CEREAL SEED UP TO A YEAR BEFORE PLANTING.
R H Enrage J Gurba
Can J Plant Sci 47(6):665-670 BEF
Nov 1967 450 C16
Aldrin, Barley, Elateridae, Heptachlor, Phytotoxicity, Seed treatment, wheat.
Five formulations of heptachlor and aldrin, separately and mixed
Abstract
- 13311-68
AN AREA CONTROL PROGRAM FOR THE PEAR PSYLLA.
E C Burts
J Econ Entomol 61(1):261-263 BEF
Feb 1968 421 J822
Aerial spraying, Chemical control (insects), Pears, Perthane, Psylla pyricola.
Abstract
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HOST-PLANT PREFERENCE OF THE ALFALFA WEEVIL IN THE FIELD.
H D Byrne C C Blickenstaff
J Econ Entomol 61(1):334-335
Feb 1968 421 J822
Food plants, Host specificity, Hypera postica, Legumes.
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DIFFERENTIAL RESISTANCE OF SOME MAIZE COMPOSITES, COMPOSITE CROSSES, HYBRIDS, AND VARIETIES TO CHILO ZONELLUS SWINHOE (CRAMBIDAE: LEPIDOPTERA). I.
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Ichneumonidae, Insect pests, Predaceous insects, Quercus, Tortrix viridana.
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GRASSHOPPERS. IN: SMITH, C. N. INSECT COLONIZATION AND MASS PRODUCTION. QL497.S6.
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1966
Experimental insects, Grasshoppers, Insect cages, Insect rearing.
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SIMULATED NANTUCKET FINE TIP MOTH ATTACKS REDUCE ROOT DEVELOPMENT OF SHORBLEAF PINE SEEDLINGS.
J F Coyne
J Econ Entomol 61(1):319-320
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Defoliation, Forest insects, Pinus echinata, Plant physiology, Roots.
- 13318-68
ON THE OCCURRENCE AND CONTROL OF HARPURUSTREPTUS SP. A NEW MILLEPEDE PEST OF CULTIVATED CROPS IN KERALA.
N M Das M R G K Nair A Jacob
Indian J Entomol 28(4):563-566
Dec 1966 420 IN23
Cassava starch, Chemical control (insects), Chilis, Diplopoda, Harpurostreptus.
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GENETICS OF RESISTANCE TO LEAF RUST IN THE COMMON WHEAT VARIETIES WEBSTER, LOROS, BBEVIT, CARINA, MALAKOP. AND CENTENABIO.
P L Dyck D J Samborski
Can J Genet Cytol 10(1):7-17
Mar 1968 443.8 C16
Fungus diseases (plants), Leaf rust (wheat), Plant disease resistance, Plant genetics, Puccinia recondita tritici, wheat.
Abstract
- 13320-68
BIOLOGICAL CONTROL AND ALTERNATIVE CONTROL SCHEMES. A. S. BALACHOWSKY AND F. WILSON, RAPPORTEURS. IN: FAO SYMPOSIUM ON INTEGRATED PEST CONTROL, ROME, 1965. PROCEEDINGS. SB951. P62.
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1966
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Includes introduction, summary, and discussion.
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ROLL WEEVILS. IN: SMITH, C. N. INSECT COLONIZATION AND MASS REDUCTION. QL497.S6.
R T Gast T H Davich
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1966
Anthonomus grandis, Insect cages, Insect nutrition, Insect rearing, Oviposition.
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Cabbage, Insect pests.
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Alfalfa, Megachile rotundata, Seeds. Abstract
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POSSIBILITIES FOR UTILIZATION OF ENTOMOPATHOGENIC MICROORGANISMS IN INTEGRATED CONTROL. IN: FAO SYMPOSIUM ON INTEGRATED PEST CONTROL, ROME, 1965. PROCEEDINGS. SR951. P62. (fr)
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A Khalifa

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Aldrin, Cotton, Dieldrin, Mercuric chloride, Mercuric iodide, Pectinophora gossypiella, Seed treatment.
Mercury compounds used as 3:1 mixture of chloride to iodide.
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G G Kundu S Bai B K Anand V K Sharma
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Achaea janata, Castorbeans, Insect pests, Parasitic insects.
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AND EXPORTED FOR PLANT INTRODUCTION WORK DURING THE PERIOD
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S B Wadhi T Soares R Lal
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Dec 1966 420 IN23
India, Insect control, Plant quarantine,
Sampling (statistics), Seeds.

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CONTROL OF PINK BOLLWORM LARVAE WITH SOIL-APPLIED INSECTICIDES.
T F Watson
J Econ Entomol 61(1):32D-32I
Feb 1968 421 J822
Aldrin, Chemical control (insects), Cotton, Diazinon, Disulfoton, Parathion, Pectinophora gossypiella, Phorate, Soil sterilization, Temik.
Aldrin tested alone and mixed with parathion.
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STATUS OF THE CERFAL LEAF BEETLE, ODLEMA MELANOPUS (L.)
CLICITFA: CHRYSOMELIIDAE IN NCRTH AMERICA.
F H Westdal
Entomol Soc Manitcha Proc 22:38-41
1966 420 FN88
Beneficial insects, Chrysomelidae, Food plants, Grain, Grasses, Insect biology, Oulema melanopus, Plant pest resistance, Plant quarantine.
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DISTRIBUTION OF THE RENIFORM NEMATODE IN RELATION TO CROP FAILURE OF COTTON IN LOUISIANA.
W Birchfield J E Jones
Plant Dis Rep 45(9):671-673
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Cotton, Crop losses, Louisiana, Reniform nematode, Rotylenchulus reniformis.
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RESISTANCE OF AXENIC TOMATO SEEDLINGS TO MELOIDOGYNE INCOGNITA ACRITA AND TO M. BAPLA.
V H Dropkin B E Webb
Phytopathology 57(6):584-587 REF
Jun 1967 464.8 P56
Meloidogyne hapla, Meloidogyne incognita acrita, Plant galls, Plant nematode resistance, Tomatoes.
Abstract:
plants resistant to M. bapla, for the most part, lacked necrotic responses and larvae generally induced galls, but the number of larvae in resistant seedlings was much less than that in susceptible ones.
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RESPONSE OF HETEROLEBA TRIFOLII IN RED CLOVER ROOTS TO AZAURACIL AND OTHER INHIBITORS.
E Y Endc G W Schaeffer
Phytopathology 57(6):576-579 REF
Jun 1967 464.6 P56
Heterodera trifolii, Plant growth inhibitors, Plant nematodes, Red clover, Ribonucleic acid, Triazine-3,5(2H,4H)-dione, 6-as-, Uracil, Dridine.
Abstract:
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DUAL TRANSMISSION OF TOBACCO BINGSPOT VIRUS AND TOBACCO RINGSPOT VIRUS BY XIPHINEMA AMERICANUM.
J P Fulton
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Jun 1967 464.8 P56
Plant disease transmission, Plant nematodes, Ring spot (cowpeas), Ring spot (cucumbers), Xiphinema americanum, Yellow vein (cucumbers).
Abstract
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INCIDENCE OF NEMATOCIDAL TREATMENTS ON NEMATODE POPULATIONS.
M B Barriscn
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Nematocides, Plant nematode resistance, Plant nematodes.
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B Hirumi T A Chen K Maramorosch
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Electron microscopy, Plant nematodes, Pratylenchus penetrans.
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Bananas, Nematodes.
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COMPARISON OF THE PATROGENICITY AND DEVELOPMENT OF THE VA. 2 ISOLATE OF HETERODERA GLYCINES ON PICKETT AND LEE SOYBEANS. (ABSTRACT).
L I Miller
Phytopathology 57(7):647
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Crop varieties, Heterodera glycines, Plant nematodes, Soybeans.
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Heterodera glycines, Legumes, Plant nematodes.
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Bananas, Plant nematodes, Radopholus similis.
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J Poster D R Green
Arusha Trop Pesticides Res Inst Misc Rep 595,30 P. REF
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Chemical control (weeds), Coffee, Dosage, Evaluation, Herbicides.
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Herbicides, Tropical agriculture, Weed control.

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 Beans, Chemical control (weeds), Evaluation, Herbicides.
 Abstract

Radioactive tracers, Vegetables.
 Abstract

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 H L Klopping H M Loux
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 W G Woods B F Crawford
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 Autoradiography, Herbicides, Isotopes, Plants.
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 Weed control.

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 Herbicides, Isotopes, Plant metabolism, Plant translocation,

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IMMUNIZING FIGS AGAINST HCG CHOLERA WITH SELECTED STRAINS OF LIVE VIRUS DIARRHEA VIRUS AND PREPARATION OF VIRUS DIARRHEA VIRUS BYEED-IMMUNE HCG CHOLERA SERUM. PATENT 3,346,456.
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Antigens, Hog cholera, Hog cholera vaccines, Immunization, Patents, Swine, Vaccines, Virus diarrhea.
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F W Beckett
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Bacterial vaccines, Epizootic diseases, Salmonella, Salmonellosis, Sheep.
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Cattle, Creosote, Mineral oil, Poisoning, Bingworm.
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Adverse effects, Arginine, Drug therapy, Ducks, Feed supplements, Glutamic acid, Isoniazid, Mortality, Nicotinic acid, Toxicity, Vitamin b6.
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Brucellosis, Cattle, Vaccines.
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Immunization, Immunization, Newcastle disease, Poultry, Vaccines.
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Canine distemper vaccines, Dogs, Immunization, Measles vaccine.
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1967 41.9 J275
Antibodies, Hemagglutination, Surveys, Toxoplasma.
English summary
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J B Vickers C P Reimboldt R E Luginbuhl
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Neoplasms, Sheep, Slaughterhouses.
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J E Wilson J W MacDonald
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Birds, Salmonella gallinarum, Salmonella pullorum,
Salmonella typhimurium.
English, French, German, and Spanish abstracts
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1967 41.9 J275
Chickens, Chlorotetracycline, Eggs, Mycoplasma gallisepticum.
English summary, p. 491
Abstract

Arthropods

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Parasites

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G R Relloff
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May 1967 41.8 M69
Chinchillas, Drug therapy, Feed additives, Griseofulvin, Ringworms.
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R V Brunson
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Jun 1967 41.8 N483
Lambs, Nematodirus.
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R M A Costa
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Helminthiasis, Parasitism, Swine.
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C W R Rotherill
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17 Feb 1968 41.8 V641
Arthropoda, Helminthiasis, Insects, Livestock diseases.
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G R S Heath A E Eawcett
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Helminthiasis, Sheep.
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THE INTERPRETATION OF FAECAL EGG-COUNTS. IV. THE INFLUENCE OF FAECAL CONSISTENCY AND DRY MATTER CONTENT ON *FASCIOLA HEPATICA* EGG-COUNTS IN CATTLE.
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Cattle, *Fasciola hepatica*, Feces.
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Cattle, *Fasciola hepatica*, Feces, Humans.
English and German abstracts
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U E Jacobs M E Tod A M Dunn J Walker
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13 Jan 1968 41.8 V641
Oesophagostomiasis, Oesophagostomum, Swine.
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L F LeJambre J H Whitlock
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Haemonchus contortus, Nematodes, Oxygen, Sheep.
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Diagnosis, Helminthiasis, Horses.
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English and French summaries
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FURTHER ANALYSIS OF THE FACTORS CONTROLLING STROBILIZATION, DIFFERENTIATION, AND MATURATION OF *ECRINOCOCCUS GRANULOSUS* IN VITRO.
J D Smyth H J Miller A R Howkins
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Abstract

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Arthropods

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CONTENTS OF INSECTS AND MOLDS IN GRAIN.
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Entomol Soc Manitoba Proc 22:16-22 REP
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Carbon dioxide, Fumigants, Grain, Insect control, Molds,
Nitrogen, Oxygen, Pesticide residues, Stored products.
Abstract
- Storage Diseases**
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VALUES OF COMMERCIAL LOTS OF SOYBEANS STORED AT MOISTURE
CONTENTS OF 13.0-14.0 PERCENT.
C M Christensen
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Jun 1967 464.B P56
Alternaria, Aspergillus glaucus, Aspergillus restrictus,
Soybeans, Storage diseases.
Abstract
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N I Bendley
Sci J 2(1):43-45
Jan 1966 Q1.S34
Food spoilage, Losses, Molds, Raw materials, Textiles.
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PATENT 3,347,683.
A J Kraght R C Marks
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Cobalt, Fruit, Patents, Storage diseases.
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STORED CORN BY ASPERGILLUS FLAVUS.
L C Lopez C M Christensen
Phytopathology 57(6):588-590
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Aspergillus candidus, Aspergillus flavus, Corn.
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ture of 25 C favored invasion by A. ochraceus, and a
beginning moisture content of 18.5 percent and a temperatnre
of 35 C resulted in heavy invasion by A. candidus.
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ULTRAVIOLET AND FLUORESCENT CHARACTERISTICS.
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Sep 1967 381 J8223
Aflatoxin, Chromatography, Fluorescence, Ultraviolet rays,
Wheat.
Abstract
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INSECTS TO BACTERIAL INSECTICIDES. 1. TESTS WITH BAKTHANE
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Biological control (insects), Insect pests,
Insecticide resistant insects, Plodia interpunctella,
Stored products, Thuricide.
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1966 420 EG9
Insect pests, Mites, Rodents, Stored products.
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PREDACEOUS MITES, MACROCHELES MUSCAEDOMESTICAE, IN POULTRY
MANURE AFTER LARVICIDE TREATMENT.
B C Axtell
J Econ Entomol 61(1):245-249
Feb 1968 421 J822
Insect populations, Integrated control (insects), Larvicides,
Macrocheles muscaedomesticae, Mites, Musca domestica,
Poultry manure.
Abstract
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Insect biology, Insect rearing, Insect rearing equipment,
Lepidoptera, Stored products.
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A TIMBER BEETLE NEW TO THE NETHERLANDS.
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Forest insects, Gnathotrichus materiarius, Scolytidae, Timber.
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FUSED FLOUR BEETLE AND STRAINS OF THE RED FLOUR BEETLE.
R E Erdman
J Econ Entomol 61(1):123-125
Feb 1968 421 J822
Insect physiology, Metamorphosis, Triholium castanenum,
Triholium confusum, X-rays.
Abstract
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INSECT COLONIZATION AND MASS PRODUCTION. QL497.S6.
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GASTA KURNIELLA ZELLER (LEPIDOPTERA: PHYCITIDAE).
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Anagasta kuehniella, Grain, Storage.
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PREFERENCE FOR WOOD OF DIFFERENT DEGREES OF DAMPNES IN SOME
TERMITES FROM CURA (ISOPTERA).
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J J Ehine & Staples

J Econ Entomol 61(1):280-282

Feb 1968 421 JB22

Amylases, Corn, Insect physiology, Longevity, Rhizopertha dominica, Sitophilus granarius, Sitophilus oryzae, Sitotroga cerealella, Stored products, Triholium castaneum.
Abstract

13499-68

INSECT CONTROL WITH HIGH FREQUENCY ELECTRIC FIELDS.

F L Watters

Entomol Soc Manitoba Proc 22:23

1966 420 EN88

Electric fields, Insect control, Stored products.

13500-68

EFFECTIVENESS OF GAMMA IRRADIATION FOR CONTROL OF FIVE SPECIES OF STORED-PRODUCT INSECTS.

F L Watters & F MacQueen

J Stored Prod Res 3(3):223-234 REF

Oct 1967 421 JB29

Cohalt isotopes, Cryptolestes ferrugineus, Gamma rays, Insect control, Irradiation, Rhizopertha dominica, Sitophilus granarius, Triholium castaneum, Triholium confusum.
Abstract

13505-68

IMPROVED MEDIUM FOR SPOULATION OF CLOSTRIDIUM PERFRINGENS.

C L Duncan & D B Strong

Appl Microbiol 16(1):82-89 BEF

Jan 1968 448.3 AP5

Clostridium perfringens, Culture media, Food contamination, Spore germination.

13506-68

STABILIZATION OF BARLEY MALT WITH GAMMA RADIATION.

L L Kempe, J T Graikoski, J B Stratton & H Day

J Agr Food Chem 12(1):98-100

Jan 1964 381 JB223

Barley, Gamma rays, Lactic acid bacteria, Malt, Pasteurization.

13507-68

USE OF IMMUNOFLUORESCENCE AND ANIMAL TESTS TO DETECT GROWTH AND TOXIN PRODUCTION BY CLOSTRIDIUM BOTULINUM TYPE E IN FOOD.

T Midura, Taclindo G S Nygaard, B L Bodily & B M Wood

Appl Microbiol 16(1):102-105

Jan 1968 448.3 AP5

Biological assay, Clostridium botulinum, Convenience food, Fluorescent antibody technique, Food analysis, Food contamination, Growth factors, Poultry products, Toxins, Turkey meat.

Tests were made with turkey rolls.

Abstract

13508-68

DETECTION OF BOTULINAL TOXINS BY IMMUNODIFFUSION.

B L Vermilyea, H W Walker, J C Ayres

Appl Microbiol 16(1):21-24 BEF

Jan 1968 448.3 AP5

Clostridium botulinum, Food analysis, Food contamination, Toxins.

Abstract

Rodents and Other Pests

13501-68

SCHE OBSERVATIONS ON THE PROBABLE DAMAGE CAUSED BY BATS IN BUREAU.

P J Deoras

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Crop losses, Food, India, Bats.

13502-68

COMPARATIVE TOXICITY OF RODENTICIDES.

A F Ryszowski

Fed Amer Soc Exp Biol Fed Proc 26(4):1082-1088 BEF

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Laboratory animals, Livestock, Rodenticides, Toxicology, Wildlife.

Microbial Contamination

13503-68

SALMONELLAE ASSOCIATED WITH FRESH-FROZEN PROCESSED TURKEY PRODUCTS.

F L Bryan, J C Ayres & A Kraft

Appl Microbiol 16(1):1-9 REF

Jan 1968 448.3 AP5

Food contamination, Poultry products, Salmonella, Turkey meat.

Abstract

13504-68

SURVIVAL AND GROWTH OF CLOSTRIDIUM BOTULINUM TYPE E SPORES IN SMOKED FISH.

L N Christiansen, J Deffner, E M Foster & Sngitama

Appl Microbiol 16(1):133-137 BEF

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Clostridium botulinum, Fish, Food contamination, Smoking (preservation), Spore germination.

Smoked chnk

Abstract

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USE OF ⁷⁴AS-TAGGED SODIUM ARSENITE IN A STUDY OF EFFECTS OF A HERBICIDE ON FISH ECOLOGY. IN: ISOTOPES IN WEED RESEARCH; PROCEEDINGS OF A SYMPOSIUM VIENNA, 25-29 OCTOBER 1966. S589.S9.
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1966
Aquatic plants, Chemical control (weeds), Herbicides, Metabolism, Ponds, Sodium arsenite.
Abstract
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RESIDUES OF ORGANOCHELRINE INSECTICIDES AND THEIR METABOLITES IN SOILS IN THE ATLANTIC PROVINCES OF CANADA.
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J Agr Food Chem 15(3):457-464
May 1967 361 J8223
Aldrin, Canada, Chlorinated hydrocarbons, Chromatography, Ddt, Dieldrin, heptachlor, insecticide residues, Metabolites, Soil contamination.
Abstract
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O L Freeman
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Decontamination, Environment, Pesticides, Policies.
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POTENTIAL USE OF TRACER METHODS ESPECIALLY AUTORADIOGRAPHY IN THE STUDY OF THE RELATION OF HERBICIDES TO SOIL BIOLOGY IN: ISOTOPES IN WEED RESEARCH; PROCEEDINGS OF A SYMPOSIUM VIENNA 25-29 OCTOBER 1965 S589.S9.
E Grossbard
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Autoradiography, Herbicides, Radioactive tracers, Soil biology, Soils.
Abstract
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ANAEROBIC DEGRADATION OF SELECTED CHLORINATED HYDROCARBON PESTICIDES.
D W Hill F I McCarty
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Aldrin, Anaerobic bacteria, Biochemistry, Chlorinated hydrocarbons, Ddt, Degradation, Dieldrin, Endrin, Heptachlor, Heptachlor epoxide, Lindane, Pesticides, Sludge, Tde, Water pollution.
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Aquatic insects, Ponds, Waste disposal.
Lagoons for municipal, residential, trailer park, and poultry-processing structures
- 13515-68
ANAEROBIC LAGOON TREATMENT OF MILKING-PARLOR WASTES.
R C Lebr J A Rnf
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Anaerobic bacteria, Milking barns, Waste disposal, Water treatment.
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TRAVEL OF NITROGEN IN SOILS.
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J G Saba L A Gadallah
Ass Offic Anal Chem J 50(3):637-641
Jan 1967 381 AS7
Chromatography, Electron capture, Herbicide residues, Picloram, Soil contamination.
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R Yaron A R Svoboda G W Thomas
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Jul 1967 381 J8223
Adsorption, Aldrin, Chromatography, Clay soils, Pesticide analysis, Pesticide residues, Radioactive tracers, Sand, Soil contamination, Spectrometry.
Abstract

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Apples, Dimethoate, Olive oil, Pesticide residues, Phenthoate.
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D D Rills J L Slean
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Chlorinated hydrocarbons, Insecticide residues, Milk fat, Molecular distillation.
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Abstract
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POTENTIAL OF NEUTRON ACTIVATION ANALYSIS OF PESTICIDES AND METABOLITES. IN: RADIOISOTOPES IN THE DETECTION OF PESTICIDE RESIDUES; PROCEEDINGS OF A PANEL VIENNA, 12-16 1965. SE953.P32.
R L Ecgner
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M C Bowman M Beroza
J Agr Food Chem 15(3):465-468
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Azodrin, Bidrin, Chromatography, Corn, Insecticide residues, Pesticide analysis, Photometry.
Abstract
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M C Bowman M Beroza
Ass Offic Anal Chem J 50(6):1228-1236
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M C Bowman M Beroza
J Agr Food Chem 15(5):894-897
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Benzo(b)thien-4-yl methylcarbamate, Benzo(b)thiophene-4-ol, Chromatography, Cynodon dactylon, Insecticide residues, Milk, Pesticide analysis.
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E J Broderick E F Tascenberg L J Hicks A W Avens J B Bourke
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Azinphosmethyl, Diazinon, Fruit, Imidan, Insecticide residues, Microanalysis, Organophosphorus compounds, Pesticide analysis, Phosphates.
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A W A Brown
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J Agr Food Chem 15(5):902-910
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Carbon isotopes, Cotton, Decomposition, Insecticide residues, Metabolites, Radioactive tracers, Soils, Temik.
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Soil microorganisms, Ultraviolet rays.
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Plant metabolism, Radioactive tracers, Trifluralin.
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Pentachlorocumene, Pesticide analysis,
Pesticide residues, Potatoes.
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Plant metabolism, Plant translocation, Root crops, Soils.
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Radioactive tracers, Drine.
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Insecticide residues, Lindane, Linear alkyl benzene sulfonate,
Peas, Plant metabolism, Plant translocation, Roots, Soils.
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METHOD AND COMPOSITION FOR CONTROLLING FUNGI.
PATENT 3,323,984.
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06 Jun 1967 156.65 OF2
Fungicides, Halogenated acetone, Patents.
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PESTICIDAL WETTABLE POWDER FORMULATION. PATENT 3,342,581.
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19 Sep 1967 156.65 OF2
Formulations, Patents, Pesticides, Sulfonic acids, Surface-active agents, Wettable powders.
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METHOD FOR COMBATING MICROORGANISMS WITH AN ALKYL SUBSTITUTED OXAZOLINE. PATENT 3,366,537.
C Woolf
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30 Jan 1968 156.65 OF2
Formulations, Microorganisms, Oxazolines, Patents, Staphylococcus aureus.
- 13688-68
METHOD OF PRODUCING AN ANTIBIOTIC QUINOMYCIN B.
PATENT 3,332,643.
T Yoshida
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25 Jul 1967 156.65 OF2
Antibiotics, Isoleucine, Patents, Quinomycin B, Streptomyces.
- 13689-68
AGRICULTURAL FIXED-WING AIRCRAFT SURVEY.
Agr Aviation 9(3):86-90
Jul 1967 333.8 AG8
Aerial spraying, Aircraft.
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A POINT-CONTROLLED DEVICE USING CARBON DIOXIDE FOR THE ANESTHETIZATION OF INSECTS.
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Anesthetics, Carbon dioxide, Equipment, Insects.
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Chromatography, Electron capture, Nickel, Pesticide analysis, Pesticide residues.
Abstract
- 13692-68
AERIAL CARTRIDGE-TYPE ASPIRATORS.
W W Barnes J W Southwick
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Dec 1967 421 M85
Aspirators, Insect traps.
- 13693-68
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Anthonomus grandis, Cotton, Equipment.
Abstract
- 13694-68
HOW WE MODIFIED A BACK PACK SPRAYER FOR DLV INSECTICIDE APPLICATIONS.
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Pest Contr 35(6):42,44,46
Jun 1967 449.8 EX8
Aedes vexans, Culicidae, Insecticides, Spraying, Spraying equipment, Ultra low volume application.
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LOW VOLUME SPRAYING SUPERIOR, LESS EXPENSIVE FOR PLANES IN BAKERSFIELD, CALIFORNIA, DISTRICT.
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Aerial spraying, Ethyl parathion, Low volume application, Pesticide application.
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Equipment, Insects, Locomotion.
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Abstract
- 13697-68
THE INDUSTRY IN JAPAN.
M Iwata
Agr Aviation 9(2):49
Apr 1967 333.8 AG8
Aerial spraying, Aircraft, Japan.
- 13698-68
A DEVICE FOR EXAMINING LARGE INSECT TRAPS.
B I Lambert E T Wilson
J Econ Entomol 61(1):324-326

80 ENGINEERING

Feb 1966 421 J822
 Adelges piceae, Insect traps.
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13699-68

A PRESSURE FAINT TANK MODIFIED FOR USE AS A DISPENSER FOR INSECT DIFIS.
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 J Econ Entomol 60(6):1755-1756
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 Equipment, Insect nutrition.

13700-68

A MECHANICAL HARVESTER FOR COLLECTING LARVAE OF THE WHEAT STEM SAWFLY.
 L K Petersen H J Bergen H McKenzie
 Can J Plant Sci 48(1):109-110
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 Cephus cinctus, Harvesting equipment, Larvae.
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13701-68

AIRCRAFT IN THE AGRICULTURE AND FORESTRY OF COMMUNIST CHINA.
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 Jul 1967 333.6 AGE
 Aerial pest control, Aerial spraying, Agronomy, Aircraft, China, Forestry.

13702-68

ANALYSIS OF SPRAY DEPOSITION ON CABS DYED WITH SUDAN BLACK BR: THEIR REGENERATION AND USE.
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 J Econ Entomol 61(1):40-43
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 Dyes, Malathion, Particle size determination, Pesticide application, Spraying.
 Abstract

13703-68

FLUOROCGLIDE AS A BARRIER TO CONTAIN NONFLYING INSECTS IN GLASS CONTAINERS.
 F H Strick
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 Feb 1968 421 J822
 Coccinella septempunctata, Coccinellidae, Experimental insects, Fluorocarbon resins, Insect rearing equipment.

90 INDUSTRY

Economics

13704-68

PEST CONTROL'S 7TH ANNUAL INDUSTRY ECONOMIC FORECAST FAST TRACK FOR '68.
 Pest Contr 35(12):13-15, 32, 34
 Dec 1967 449.8 EX8
 Economics, Industry, Pest control, Pest control operators, Production economics, Rodent control.

13705-68

PESTICIDE PROGNOSIS.
 J L Poland
 Agr Chem 22(7):37-38
 Jul 1967 381 AG8
 Agricultural financial outlook, Marketing research, Pesticides.

Education

13706-68

TRAINING ASPECTS OF THE UNITED STATES SPONSORED AEDS AEGYPTI AND MALARIA ERADICATION PROGRAMS.
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 Aedes aegypti, Eradication, Insect control, Malaria, Training.

13707-68

FLORIDA CHEMICAL COMMUNICATION PILOT PROJECT.
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 Nov 1967 381 AG8
 Accident prevention, Education, Pesticides, Poisoning.

Regulations

13708-68

FEDERAL COMMITTEE ON PEST CONTROL.
 Nat Agr Chem Ass News Pesticide Rev 26(1):11
 Oct 1967 421 AG8
 Agricultural regulation, Government, Pest control, Pesticide application.

SUBJECT INDEX

Aedes aegypti

| | | | |
|--|-------|--|-------|
| AEDOMEN | | ACHROIA GRISELLA | |
| The effects of acetylcholine at the synaptic and somatic levels in the case of the last abdominal ganglion of the cockroach <i>Periplaneta americana</i> . | 13020 | Studies on the susceptibility of certain stored products insects to bacterial insecticides. 1. tests with <i>Baethane L-69</i> . | 13489 |
| AELIS | | ACRIDIDAE | |
| Tanglefoot traps for detection of the balsam woolly aphid. | 13076 | Review and preliminary diagnosis of some Pamphagidae and Acrididae from Iran (Orth. acridoidea). | 12946 |
| ALIPHIS VIETTI | | ACTIVATED SLUDGE | |
| A new Hemipterinae from Madagascar: <i>Aliphis viettei</i> n. sp. (Col. elateridae). | 12951 | Resistance of carcinogenic organic compounds to oxidation by activated sludge. | 13639 |
| ABSORPTION | | ACOBIA SPIRALES | |
| Absorption of organochlorine insecticide residues from agricultural soils by root crops. | 13544 | <i>Acuaria spirales</i> (dispharynx-nasuta) in a dog. | 13472 |
| Contact avicides. patent 3,340,142. | 13592 | ACTYRTHOSIPROM FISUM | |
| ABSORPTION (BIOLOGICAL) | | Apterous aphids in water, wind, and suction traps. | 12972 |
| Factors affecting the resistance of insect eggs to sulphuryl fluoride. I. the uptake of sulphuryl-35S fluoride by insect eggs. | 13103 | ADELGES PICEAE | |
| ABSORPTION SPECTRA | | Tanglefoot traps for detection of the balsam woolly aphid. | 13076 |
| Antibiotic cirolerosus and process for producing the same. patent 3,345,262. | 13644 | A device for examining large insect traps. | 13698 |
| Antibiotic product and process of producing same. patent 3,328,248. | 13658 | ADENOCARCINOMA | |
| ACALYMMA VITTATUM | | An outbreak of oviduct adenocarcinoma in laying hens. | 13451 |
| Mass rearing banded cucumber beetles, with notes on rearing spotted and striped cucumber beetles. | 13027 | ADSORPTION | |
| ACARICIDES | | Aldrin adsorption by soils and clays. | 13521 |
| Use of pesticides in selective manners. in: FAO Symposium on integrated pest control, Rome, 1965. proceedings. SB551. P62. | 13322 | Adsorption of hiprydylum herbicides in soil. | 13571 |
| Synthesis, biological activities, and properties of the syn and anti exo-3-chloro-endo-6-cyano-2-norbornanone 0-methylcarbamoyloxides. absolute structure of transid miticide. | 13651 | ADVERSE EFFECTS | |
| ACCIDENT PREVENTION | | Isoniazid toxicosis in ducklings: studies on pyridoxine, niacin, glutamic acid, and arginine supplementation. | 13412 |
| Food and health - the safe use of pesticides. | 13577 | AEDES | |
| Hazards of herbicide drift. | 13586 | Seasonal activity of mosquito predators in woodland pools in Ontario. | 13161 |
| Florida chemical communication pilot project. | 13707 | On the role of Japanese mosquitoes especially of <i>Culex pipiens pallens</i> in the transmission of Bancroftian filariasis. in: Progress of medical parasitology in Japan, vol. 3. K. morishita, Y. komiya, and H. matsuhayashi, editors. 423 MB23. | 13176 |
| ACETAL | | AEDES AEGYPTI | |
| Toxicity evaluation of air pollutants by use of luminescent bacteria. | 13596 | Research needs and priorities: Ecology. | 12970 |
| ACETATES | | Taxonomy of <i>Aedes aegypti</i> and related species. | 12971 |
| Fatty acid composition of the diet and larvae and biosynthesis of fatty acids from 14C-acetate in the cabbage looper, <i>Trichoplusia ni</i> . | 13098 | The distribution, density and seasonal prevalence of <i>Aedes aegypti</i> in West Africa. | 12992 |
| Feeder lamb response to cortisone acetate and diethylstilbestrol. | 13420 | Research needs and priorities: biochemistry. | 13014 |
| ACETIC ACID | | Preferred <i>Aedes aegypti</i> larval habitats in urban areas. | 13023 |
| Contact avicides. patent 3,340,142. | 13592 | Feeding stimuli and artificial feeding. | 13046 |
| The effects of indoleacetic acid and 2,4-dichlorophenoxyacetic acid on intermediary metabolism of 14C-labelled organic acids by pea root tips. | 13620 | Non-specificity of the male factor enhancing egg-laying in Diptera. | 13079 |
| ACETIC ANHYDRIDE | | The establishment of reference and marker strains and their shipment. | 13104 |
| Reactivity of tobacco mosaic virus and its protein toward acetic anhydride. | 13228 | Mating, resting habits and dispersal of <i>Aedes aegypti</i> . | 13119 |
| ACETYLCHOLINE | | The need for standard and other strains of <i>Aedes aegypti</i> for research. | 13124 |
| The effects of acetylcholine at the synaptic and somatic levels in the case of the last abdominal ganglion of the cockroach <i>Periplaneta americana</i> . | 13020 | Seminal loss in repeatedly mated female <i>Aedes aegypti</i> . | 13127 |
| ACHAEA JANATA | | Marked sensitivity of insect cell lines to Fungizone (amphotericin B). | 13131 |
| New records of hymenopterous parasites from <i>Achaea janata</i> Linn (Lepidoptera: Noctuidae), a serious pest of castor, (<i>Bicinus cernuus</i>). | 13343 | Factors affecting the oviposition of <i>Aedes aegypti</i> . | 13137 |
| ACHETA DOMESTICUS | | Formal genetics and cytogenetics of <i>Aedes aegypti</i> . | 13145 |
| Insecticide hormoligosis. | 13086 | Research needs and priorities: genetics. | 13146 |
| | | Current status of the formal genetics of <i>Aedes aegypti</i> . | 13147 |
| | | Genetics of vectorial capacity. | 13150 |
| | | Cytogenetics of <i>Aedes aegypti</i> . | 13153 |

SUBJECT INDEX

Aedes sollicitans

World Health Organization. seminar on the ecology, biology, control, and eradication of *Aedes aegypti*, 16-20 August 1965, Geneva, Switzerland. 13156

Organization and administration of *Aedes aegypti* control and eradication programme. 13160

Genetic control of *Aedes aegypti*. 13162

Responses of *Aedes aegypti* (L) from Alabama, Georgia and South Carolina to EDT, dieldrin, and malathion. 13164

The egg-laying habits of *Aedes aegypti* (Linnaeus) in central Texas. 13165

Aedes aegypti and other mosquitoes in relation to the dengue syndrome. 13168

Necessary research and priorities: Resistance to insecticides. 13172

Resistance to insecticides in *Aedes aegypti* and related species. 13173

Aedes aegypti and haemorrhagic fever. 13178

Initiation of the *Aedes aegypti* eradication programme of the USA. 13179

Insecticides for use against *Aedes aegypti*. 13181

Research needs and priorities: Chemical control. 13182

Research needs and priorities: Genetic control, including the sterile-male technique. 13183

Possible use of the sterile-male technique for control of *Aedes aegypti*. 13184

The prospects for *Aedes aegypti* eradication in Asia in the light of its eradication in Brazil. 13186

Aedes aegypti and yellow fever. 13187

Measures to be taken to prevent the transmission of *Aedes aegypti* by sea and air. 13189

The larvicidal activity of several liquid detergents and quaternary ammonium compounds. 13190

Metabolism of chlorinated insecticides. in: Radioisotopes in the detection of pesticide residues; proceedings of a panel, Vienna, 12-16 April 1965. SF953.P32. 13551

Toxic hazards from the use of insecticides in the control of *Aedes aegypti*. 13576

Some effects of orally administered DDT on host sheep and two ectoparasites: the yellow-fever mosquito and the Rocky Mountain wood tick. 13672

Training aspects of the United States sponsored *Aedes aegypti* and malaria eradication programs. 13706

Aedes sollicitans

Ultra-low volume and conventional aerial sprays for control of adult salt-marsh mosquitoes, *Aedes sollicitans* (Walker) and *Aedes taeniorhynchus* (Wiedemann), in Florida. 13174

Preliminary observations on the incidence and biology of a merithid nematode of *Aedes sollicitans* (Walker) in Louisiana. 13177

Aedes stipulans

Trapping mosquitoes with sound. (abstract). 13159

Aedes taeniorhynchus

Evaluation of insecticides against four species of adult mosquitoes in the Panama Canal Zone, 1967. 13157

Ultra-low volume and conventional aerial sprays for control of adult salt-marsh mosquitoes, *Aedes sollicitans* (Walker) and *Aedes taeniorhynchus* (Wiedemann), in Florida. 13174

New insecticides as nonthermal aerosols for control of adult mosquitoes. 13175

Aedes triseriatus

The larvicidal activity of several liquid detergents and quaternary ammonium compounds. 13190

Aedes vexans

How we modified a backpack sprayer for ULV insecticide applications. 13694

AERIAL PEST CONTROL

Aircraft in the agriculture and forestry of Communist China. 13701

AERIAL SPRAYING

ULV aerial insecticide application for adult mosquito control. 13166

Ultra-low volume and conventional aerial sprays for control of adult salt-marsh mosquitoes, *Aedes sollicitans* (Walker) and *Aedes taeniorhynchus* (Wiedemann), in Florida. 13174

Control of mosquito adults and larvae with ultra-low volume aerial applications of Baygon and Baygon-Baytex mixture. 13188

The determination of DDT deposited on cotton plants in an air-spray trial in Tanzania. 13286

An area control program for the pear psylla. 13311

Agricultural fixed-wing aircraft survey. 13689

Low volume spraying superior, less expensive for planes in Bakersfield, California, district. 13695

The industry in Japan. 13697

Aircraft in the agriculture and forestry of Communist China. 13701

AEROBIC BACTERIA

Antibiotic cirolerosus and process for producing the same. patent 3,345,262. 13644

AERODYNAMICS

Flight in *Drosophila*. III. aerodynamic characteristics of fly wings and wing models. 13139

AEROSOLS

New insecticides as nonthermal aerosols for control of adult mosquitoes. 13175

AFLATOXIN

Cancer inducing agents. 13444

Preparations of aflatoxins and determination of their ultraviolet and fluorescent characteristics. 13488

Possible reactions for aflatoxin detoxification. 13598

Separation of aflatoxins by two-dimensional thin-layer chromatography. 13655

AFRICAN OILPALM

Incidence in the culture of oil palm of *Phytophthora* populations in the soil of the savanna in the lower Ivory Coast. 13267

AGING

Effect of age on ¹⁴C valine turnover into locust wing proteins. 13058

Cellular age changes in insects. in: Aspects of the biology of aging, H. W. Woolhouse, ed. 13113

Influence of age on ovarian function in *Drosophila melanogaster*. 13140

AGRICULTURAL CHEMICALS

Prevention and first aid for livestock poisoned with chemicals. SF757.5.N3. 13561

AGRICULTURAL EDUCATION

Qualitative and quantitative aspects of the graduate curriculum in plant pathology. 13263

AGRICULTURAL FINANCIAL OUTLOOK

Pesticide prognosis. 13705

SUBJECT INDEX

AMPHOTERICIN B

- AGRICULTURAL INDUSTRIES**
Water pollution control and abatement. tD420.W45. 13520
- AGRICULTURAL REGULATION**
Federal committee on pest control. 13708
- AGROBACTERIUM TUMEFACIENS**
Metabolism of amino acids in agrobacterium tumefaciens. III. uptake of L-proline. 13608
- AGRONOMY**
Aircraft in the agriculture and forestry of Communist China. 13701
- AGROTIS CETESCGONIA**
An artificial diet and some growth factor requirements for the pale western cutworm. 13070
- AIR POLLUTION**
Toxicity evaluation of air pollutants by use of luminescent bacteria. 13596
- AIRCRAFT**
Agricultural fixed-wing aircraft survey. 13689
The industry in Japan. 13697
Aircraft in the agriculture and forestry of Communist China. 13701
- AIRCRAFT DISINFESTATION**
Measures to be taken to prevent the transmission of Aedes aegypti by sea and air. 13189
- ALANINE**
The conversion of glutamate to alanine in the tsetse fly (Glossina morsitans). 13017
Nutritive effects of alanine, cystine, glycine, serine, and tyrosine on the silkworm, Bombyx mori. 13062
- ALCOHOLS**
Fatty alcohol inhibition of tobacco auxiliary and terminal bud growth. 13630
- ALDRIN**
Photodecomposition of dieldrin and aldrin. 13056
Phytotoxicity and wireworm-control efficacy of insecticidal dressings applied to cereal seed up to a year before planting. 13310
Effect of treating cotton seed with dieldrin, Abavit B, and aldrin on the emergence of pink bollworm moths. 13341
Morphological-biological report of the cabbage maggot "Bylemia brassicae (Sch.)" and experiments in chemical control. 13360
Control of pink bollworm larvae with soil-applied insecticides. 13378
Residues of organochlorine insecticides and their metabolites in soils in the Atlantic Provinces of Canada. 13510
Anaerobic degradation of selected chlorinated hydrocarbon pesticides. 13513
Aldrin adsorption by soils and clays. 13521
Translocation of insecticides from soils into pea plants effects of the detergent LAS on translocation and plant growth. 13553
Identification of the aldrin artifact. 13653
- ALFALFA**
Observations on the alfalfa leaf-cutter bee, Megachile rotundata, at Hodgson, Manitoba in 1966. 13112
Influence of potassium chloride on the interrelationship of fungi and a nematode in alfalfa roots. (abstract). 13242
Seed increase of alfalfa in growth chambers with Megachile rotundata F. 13333
- ALKALOIDS**
Senita cactus alkaloids: Their significance to Sonoran Desert Drosophila ecology. 13073
Toxicity of some goldenrods. 13605
- ALKANE AMIDES, DIHALOGENATED**
Compositions and methods of use of dihalogenated alkane amides. patent 3,332,845. 13675
- ALKYL ISOQUINOLINIUM DODECYLDITHIOCARBONATE**
Quaternary ammonium xanthates. patent 3,324,134. 13677
- ALKYLATION**
Use of alternative biological control schemes. in: FAO symposium on integrated pest control, Rome, 1965. proceedings. SB951. P62. 13335
- ALLYL-1,2-(METHYLENEDIOMY)-8-SENZENE, 4-**
Cancer inducing agents. 13444
- ALTERNARIA**
Increase in invasion by storage fungi and in fat acidity values of commercial lots of soybeans stored at moisture contents of 13.0-14.0 percent. 13484
- AMERICIDES**
Compositions and methods of use of dihalogenated alkane amides. patent 3,332,845. 13675
- AMIDES**
Compositions and methods of use of dihalogenated alkane amides. patent 3,332,845. 13675
- AMINO ACIDS**
Dietary amino acid and nucleic imbalance leading to altered tumour frequency in the adult housefly, Musca domestica. 13013
Effect of age on (¹⁴C)valine turnover into locust wing proteins. 13058
Nutritive effects of alanine, cystine, glycine, serine, and tyrosine on the silkworm, Bombyx mori. 13062
Gustation of dietary amino acids by the aphid Myzus persicae. 13091
Effect of amino acid and sugar concentrations on the food uptake of the aphid Myzus persicae. 13092
Cortisol and growth in insects. 13093
Metabolism of amino acids in agrobacterium tumefaciens. III. uptake of L-proline. 13608
Degradation of aromatic amino acids by fungi. II. purification and properties of phenylalanine ammonia-lyase from Ustilago hordei. 13628
- AMINOADAMANTANE, 2-**
Pharmaceutical compositions and methods utilizing 2-aminoadamantane and its derivatives. patent 3,328,251. 13671
- AMITROLE**
Amitrole decomposition by free radical-generating systems and by soils. 13657
- AMMONIUM COMPOUNDS**
The larvicidal activity of several liquid detergents and quaternary ammonium compounds. 13190
Derivatives of (+)-limonene. detection and translocation of quaternary ammonium plant growth retardants in young grapefruit and bean seedlings. 13627
Biocidal quaternary ammonium sulfamates. patent 3,344,018. 13669
Quaternary ammonium xanthates. patent 3,324,134. 13677
- AMPELODESMIA MAURITABICUS**
Research of Hymenoptera Chalcidoidea. III. a new species of the genus Tetramesa Walk. (Hym. Eurytomidae). 12997
- AMPHOTERICIN B**
Marked sensitivity of insect cell lines to Fungizone (amphotericin B). 13131

SUBJECT INDEX

| | | | |
|---------------------------|--|-------|--|
| AMYLOSES | | | |
| AMYLOSES | Effect of high-amylose field corn on larval growth and survival of five species of stored-grain insects. | 13498 | |
| ANAEROBIC DEGRADATION | | | |
| ANAEROBIC DEGRADATION | Anaerobic degradation of selected chlorinated hydrocarbon pesticides. | 13513 | |
| | Anaerobic lagoon treatment of milking-parlor wastes. | 13515 | |
| ANAGASTA KUHNIELLA | | | |
| ANAGASTA KUHNIELLA | Studies on the susceptibility of certain stored products insects to bacterial insecticides. 1. tests with <i>Bakthana</i> 1-65. | 13489 | |
| | Biological studies on the Mediterranean flour moth, <i>Anagasta kuhniella</i> Zeller (Lepidoptera: Phycitidae). | 13496 | |
| ANESTHESIA | | | |
| ANESTHESIA | Inheritance of ether resistance in <i>Drosophila melanogaster</i> . | 13152 | |
| ANESTHETICS | | | |
| ANESTHETICS | A foot-controlled device using carbon dioxide for the anesthetization of insects. | 13690 | |
| ANILIDES | | | |
| ANILIDES | Herbicide composition and method. patent 3,345,151. | 13650 | |
| ANIMAL DISEASES | | | |
| ANIMAL DISEASES | Common disease problems in laboratory animals. | 13459 | |
| ANIMAL HISTOLOGY | | | |
| ANIMAL HISTOLOGY | An outbreak of oviduct adenocarcinoma in laying hens. | 13451 | |
| | Histological studies of tests in rats treated with certain insect chemoesterilants. | 13590 | |
| ANIMAL METABOLISM | | | |
| ANIMAL METABOLISM | detachclis of O-[phenyl-O'-(4-nitrophenyl) methylphosphonothionate (Colep) in plants and animals. | 13555 | |
| ANIMALS | | | |
| ANIMALS | Distemper outbreak in a zoo. | 13447 | |
| | Summary of recent abstracts. ix. helminthiasis. | 13467 | |
| | Comparative pharmacology of some animal toxins. | 13594 | |
| | Retention of vaporized lindane by plants and animals. | 13602 | |
| | Problems in FAC on human and animal intoxication. in: radioisotopes in the detection of pesticide residues; proceedings of a panel Vienna 12-16 april 1965. SB953.P32. | 13603 | |
| | Pharmaceutical compositions and methods utilizing 2-aminoadamantane and its derivatives. patent 3,328,251. | 13671 | |
| ANISIC ACID | | | |
| ANISIC ACID | Anisic acid esters as knockdown agents. | 13008 | |
| ANOBIIDAE | | | |
| ANOBIIDAE | A laboratory study of <i>Stegcium paniceum</i> (L.) (Coleoptera: Anobiidae). | 13080 | |
| ANOPHELES | | | |
| ANOPHELES | On the role of Japanese mosquitoes especially of <i>Culex pipiens pallens</i> in the transmission of Bancroftian filariasis. in: Progress of medical parasitology in Japan, vol. 3. k. Morishita, Y. Komiya, and H. Matsuhayashi, editors. 423 ME23. | 13176 | |
| ANOPHELES ALPIMANUS | | | |
| ANOPHELES ALPIMANUS | Evaluation of insecticides against four species of adult mosquitoes in the Panama Canal Zone, 1967. | 13157 | |
| ANOPHELES GAMBIAE | | | |
| ANOPHELES GAMBIAE | The circadian flight activity of the mosquito <i>Anopheles gambiae</i> : phase setting by the light regime. | 13068 | |
| ANOPHELES QUADRIMACULATUS | | | |
| ANOPHELES QUADRIMACULATUS | New insecticides as nonthermal aerosols for control of adult mosquitoes. | 13175 | |
| | The larvicidal activity of several liquid detergents and quaternary ammonium compounds. | 13190 | |
| ANOPHELES TIGERTTI | | | |
| ANOPHELES TIGERTTI | <i>Anopheles</i> (<i>Anopheles</i>) <i>Tigerti</i> , a new species of the aitkeni group from Thailand. | 12988 | |
| ANOPLUBA | | | |
| ANOPLUBA | Entomology of Antarctica. GL491.G7. | 12952 | |
| ANOXIA | | | |
| ANOXIA | Anaerobiosis studies with <i>Musca domestica</i> . age and sex differences for survival rate and recovery capability. | 13037 | |
| ANTARCTICA | | | |
| ANTARCTICA | Entomology of Antarctica. GL491.G7. | 12952 | |
| ANTHELMINTICS | | | |
| ANTHELMINTICS | Margin of safety of succinylcholine chloride in horses treated with anticholinesterase pesticides. | 13434 | |
| ANTHRAEA EUCALYPTI | | | |
| ANTHRAEA EUCALYPTI | Natural substrates of the phenoloxidase in the pupal blood of the silkworms, <i>Antheraea pernyi</i> and <i>A. eucalypti</i> . | 13040 | |
| | Marked sensitivity of insect cell lines to Fungizone (amphotericin B). | 13131 | |
| ANTHRAEA PERNYI | | | |
| ANTHRAEA PERNYI | The activation of prophenoloxidase during melanization of the pupal blood of the Chinese oak silkworm, <i>Antheraea pernyi</i> . | 13039 | |
| | Natural substrates of the phenoloxidase in the pupal blood of the silkworms, <i>Antheraea pernyi</i> and <i>A. eucalypti</i> . | 13040 | |
| | Induced mutation by gamma ray and neutron in tussah silkworm <i>Antheraea pernyi</i> . | 13105 | |
| ANTHONOMUS GRANDIS | | | |
| ANTHONOMUS GRANDIS | Metabolism of 2-methyl-2-(methylthio)propionaldehyde O-(methylcarbamoyl)oxime (Temk, UC-21149) in insects. | 13016 | |
| | Boll weevils. in: Smith, C. n. insect colonization and mass production. GL497.S6. | 13323 | |
| | Comparative effect of the holl weevil on the productivity of Coker 100 cotton in North Carolina. | 13351 | |
| | Effects of nitrogen fertilization on cotton under holl weevil attack in North Carolina. | 13352 | |
| | A preventive boll weevil control program applied to a ten-square-mile area within a treated county. | 13353 | |
| | A preventive holl weevil control program applied to a ten-square-mile area within an untreated county. | 13354 | |
| | Constituents of the cotton bud. ix. further studies on a polar holl weevil feeding stimulant complex. | 13374 | |
| | A flail machine for destroying fallen cotton squares infested with boll weevils. | 13693 | |
| ANTHRAQUINONES | | | |
| ANTHRAQUINONES | Process for controlling fungi with anthraquinone derivatives. patent 3,326,750. | 13678 | |
| ANTIBIOTICS | | | |
| ANTIBIOTICS | Marked sensitivity of insect cell lines to Fungizone (amphotericin B). | 13131 | |
| | Antifungal antibiotic and method of producing same. patent 3,350,726. | 13435 | |
| | Russian drug index. ed. 2. RS91 .J3. | 13638 | |
| | Streptonigrin antibiotics and process for their production. patent 3,372,090. | 13642 | |
| | Antibiotic cirrolerosus and process for producing the same. patent 3,345,262. | 13644 | |
| | Antiviral antibiotic from <i>trichoderma todoca</i> and method of producing same. patent 3,323,996. | 13673 | |
| | Compositions and methods of use of dihalogenated alkane amides. patent 3,332,845. | 13675 | |
| | Method of producing an antibiotic guinomycin B. patent 3,332,843. | 13688 | |

SUBJECT INDEX

ARTHROPODA

| | | | |
|---|-------|--|--|
| ANTIBODIES | | | |
| A survey on antibodies against canine toxoplasma by nemagglutination test and isolation of the organism from dogs. | 13461 | | |
| ANTIGENS | | | |
| Immunizing pigs against hog cholera with selected strains of live virus diarrhea virus and preparation of virus diarrhea virus hyper-immune hog cholera serum. patent 3,346,456. | 13408 | | |
| ANTIMETABOLITES | | | |
| Use of alternative biological control schemes. in: FAO symposium on integrated pest control, Rome, 1965. proceedings. SB951. P22. | 13335 | | |
| ANTISEPTICS | | | |
| Study of bactericidal action of four disinfectants in the control of bovine mastitis. | 13445 | | |
| ACETA | | | |
| Studies on the neurosecretory system and the functional significance of NSM in the aortal wall of the bug, <i>Dysdercus koenigii</i> . | 13035 | | |
| AFANTELES | | | |
| The Indc-Australian species of the ulitor-group of Apanteles Forster (Hymenoptera: Euclyptidae). | 12974 | | |
| APHELINIDAE | | | |
| Research of Hymenoptera Chalcididae. VI. genera and species new to the Italian entomofauna (Encyrtidae, Aphelinidae, Mymarommatidae). | 12996 | | |
| APHIDIDAE | | | |
| An American Aphaididae new to the European fauna: <i>Nearctaphis bakeri</i> Ccwan (hom.). | 12966 | | |
| Further records of New Jersey aphids (Homoptera: Aphididae). | 12968 | | |
| Aphids of Korea. (1523. A6 P3. | 12978 | | |
| Observations on two races of the groundnut aphid, <i>Aphis craccivora</i> . | 13067 | | |
| Gustation of dietary amino acids by the aphid <i>Myzus persicae</i> . | 13091 | | |
| Effect of amino acid and sugar concentrations on the food uptake of the aphid <i>Myzus persicae</i> . | 13092 | | |
| Formation of sexuparae in the aphid, <i>Eriosoma pyricola</i> , on pear roots. | 13122 | | |
| Biology of radicolous aphids on maize. | 13299 | | |
| Aphids. in: Smith, C. n. insect colonization and mass production. gL497.S6. | 13331 | | |
| Effects of aphids on cereal grains at various stages of plant growth. (Abstract). | 13364 | | |
| A review of hymenopterous parasites of citrus pest aphids of the world and biological control projects (Hym., Aphididae). | 13371 | | |
| APHIS | | | |
| Apterous aphids in water, wind, and suction traps. | 12972 | | |
| APHIS CRACCIVORA | | | |
| Observations on two races of the groundnut aphid, <i>Aphis craccivora</i> . | 13067 | | |
| A preventive boll weevil control program applied to a ten-square-mile area within an untreated county. | 13354 | | |
| APHIS GROSSYPILLI | | | |
| Effects on light and sugars on rearing the cotton aphid, <i>Aphis gossypii</i> , on a germ-free and holidic diet. | 13006 | | |
| Factors affecting transmission of tristeza virus by melon aphids. | 13254 | | |
| A preventive boll weevil control program applied to a ten-square-mile area within an untreated county. | 13354 | | |
| Some new efficient preparations to control thrips and <i>Aphis gossypii</i> on cotton. | 13361 | | |
| APIS MELLIFERA | | | |
| The respiratory metabolism of insect flight muscle during adult maturation. | 13007 | | |
| Pheromones of the queen honeybee (<i>Apis mellifera</i> L.) which enable her workers to follow her when swarming. | 13018 | | |
| Ovariole development in worker honey bees. (Abstract). | 13064 | | |
| A survey of Nosema disease in package bees, queens, and attendant bees entering Manitoba (1963-1966). | 13065 | | |
| Optical orientation of the honey bee (<i>Apis mellifica</i>) according to the frontal angle of the perceived striated pattern. | 13141 | | |
| The confinement period required to rid honeybees of foreign sweetclover pollen. | 13358 | | |
| APPLES | | | |
| Apple latent virus 2 is Sowhane mosaic virus. | 13206 | | |
| Virus etiology of foliar vein-flecking or ring pattern, and fruit russetting or blotch on apple. | 13288 | | |
| The control of the <i>Carpocapsa pomonella</i> and the fruit acarids. | 13303 | | |
| Codling moths. in: Smith, C. n. insect colonization and mass production. gL497.S6. | 13328 | | |
| Determination of rogor and dieldrin by the isotope dilution method. in: Radioisotopes in the detection of pesticide residues; proceedings of a panel, Vienna, 12-16 April 1965. SB953.P32. | 13524 | | |
| Colorimetric determination of Alar residues in apples. | 13539 | | |
| APRICOTS | | | |
| Gas chromatographic determination of captan residues. | 13550 | | |
| APYRASE | | | |
| Some effects of thermal acclimation on muscle apyrase activity and mitochondrial number in <i>Periplaneta americana</i> and <i>Musca domestica</i> . | 13138 | | |
| AQUATIC ANIMALS | | | |
| The phenomenon of intrapopulation control in aquatic organisms. an attempt at immunological interpretation of its physiology. | 13134 | | |
| AQUATIC INSECTS | | | |
| Collections of aquatic Coleoptera larvae in the Ethiopian Region: South Africa and Rhodesia (1959). | 12936 | | |
| A study of the population of insects emerging as adults from Spettigue's Pond at London, Ontario. | 12960 | | |
| <i>Hygrobia hermanni</i> Ol, the mud beetle (Col., Hygrobiidae). | 12998 | | |
| The phenomenon of intrapopulation control in aquatic organisms. an attempt at immunological interpretation of its physiology. | 13134 | | |
| Seasonal activity of mosquito predators in woodland pools in Ontario. | 13161 | | |
| Aquatic insects associated with midwestern waste stabilization lagoons. | 13514 | | |
| AQUATIC PLANTS | | | |
| Use of ⁷⁴ As-tagged sodium arsenite in a study of effects of a herbicide on pond ecology. in: Isotopes in weed research; proceedings of a symposium Vienna, 25-29 October 1966. s589.S9. | 13509 | | |
| ARGININE | | | |
| Isoflavonoid toxicosis in ducklings: studies on pyridoxine, niacin, glutamic acid, and arginine supplementation. | 13412 | | |
| ARTERITIS | | | |
| Diagnosis and prevention of equine respiratory diseases. | 13446 | | |
| ARTHROPODA | | | |
| Entomology of Antarctica. gL491.G7. | 12952 | | |
| Disease agents affecting livestock in British Honduras. I. internal and external parasites. | 13473 | | |

SUBJECT INDEX

ARTICHOSES

- Comparative pharmacology of some animal toxins. 13594
- ARTICHOSES**
Ostrinia nubilalis Hubner, injuricus to globe artichoke in Egypt (Lepidoptera: Pyralidae). 13300
- ARYLAMINO CINNAMOYL, BETA-, COMPOUNDS**
Insecticidal and fungicidal usage of beta-arylamino cinnamoyl compounds. patent 3,355,351. 13659
- ASCOCHYTA**
Isolation, incidence, and virulence of Ascochyta spp. of peas from the soil. 13285
- ASCORBIC ACID**
Influence of substances and soil treatments on the germination of spores of Cochlicoccus sativus. 13219
- ASIA**
The prospects for Aedes aegypti eradication in Asia in the light of its eradication in Brazil. 13186
- ASPERGILLUS**
Metabolism of chlorinated insecticides. in: Radioisotopes in the detection of pesticide residues; proceedings of a panel, Vienna, 12-16 April 1965. SB953.P32. 13551
- ASPERGILLUS CANDIDUS**
Effect of moisture content and temperature on invasion of stored corn by Aspergillus flavus. 13487
- ASPERGILLUS FLAVUS**
Effects of three soil-inhabiting fungi on axenic peanut plants. (abstract). 13216
Effect of moisture content and temperature on invasion of stored corn by Aspergillus flavus. 13487
Possible reactions for aflatoxin detoxification. 13598
The formation of aflatoxin derivatives. 13636
- ASPERGILLUS GLAUCUS**
Increase in invasion by storage fungi and in fat acidity values of commercial lots of soybeans stored at moisture contents of 13.0-14.0 percent. 13484
- ASPERGILLUS ESTIBICUS**
Increase in invasion by storage fungi and in fat acidity values of commercial lots of soybeans stored at moisture contents of 13.0-14.0 percent. 13484
- ASPIROPHORUS**
A new aphid genus from north-western India (Homoptera: Aphididae). 12993
- ASPIRATORS**
AER cartridge-type aspirators. 13692
- ASSAY**
The formation of aflatoxin derivatives. 13636
- ATLASES**
Atlas of diseases and pests of vegetables. SB731. A4. 13203
- ATROPIC EBIBITIS**
Method of protecting the offspring of a herd of breeding swine from turbinate atrophy. patent 3,336,190. 13452
- ATIBACTANTS**
New findings concerning pheromones produced by Trogoderma granarium (Everts), (Coleoptera, Dermestidae). 13143
Trapping mosquitoes with sound. (abstract). 13159
The egg-laying habits of Aedes aegypti (Linnaeus) in central Texas. 13165
Current research by the USDA of potential significance to world-wide mosquito control. 13169
Use of alternative biological control schemes. in: FAO symposium on integrated pest control, Rome, 1965. proceedings. SE951. f42. 13335
Gas chromatographic analysis of the insect attractant cue-lure and related compounds. 13637
- AUTOBIOGRAPHY**
Handling plants for macro-autoradiography, in: isotopes in weed research; proceedings of a symposium Vienna 25-29 October 1965. S589.S9. 13397
Potential use of tracer methods especially autoradiography in the study of the relation of herbicides to soil biology in: isotopes in weed research; proceedings of a symposium Vienna 25-29 October 1965 S589.S9. 13512
- AVIAN ENCEPHALOMYELITIS**
Cultivation of avian encephalomyelitis virus in vitro. 1. in chick embryo neuroglial cell culture. 13431
- AVIAN LYMPHOMATOSIS**
Marek's disease. 1. propagation of the Connecticut A (Conn-A) isolate in chicks. 13414
Pathogenesis of Marek's disease (Connecticut A isolate). 13462
- AVICIDES**
Contact avicides. patent 3,340,142. 13592
- AZINPHOSMETYL**
A preventive boll weevil control program applied to a ten-square-mile area within a treated county. 13353
Rapid method for surface residues of organophosphorus pesticides by total phosphorus. 13531
- AZO BENZENE CARBAMATES**
Azobenzene carbamates as insecticides. 13069
- AZOBIN**
Gas chromatographic analysis of 3-hydroxy-N-methyl-cis-crotonamide dimethyl phosphate (Azodrin) and 3-hydroxy-N,N-dimethyl-cis-crotonamide dimethyl phosphate (Bidrin). 13528
- BABY PIGS**
Method of protecting the offspring of a herd of breeding swine from turbinate atrophy. patent 3,336,190. 13452
- BACILLUS THURINGIENSIS**
Studies on the susceptibility of certain stored products insects to bacterial insecticides. 1. tests with Bacthane L-69. 13489
Purification of a protein from Bacillus thuringiensis toxic to larvae of Lepidoptera. 13634
- BACTERIA**
Toxicity evaluation of air pollutants by use of luminescent bacteria. 13596
Antibiotic cures and process for producing the same. patent 3,345,262. 13644
- BACTERIAL LEAF BLIGHT (BLICE)**
Linkage studies on the resistance to bacterial leaf blight, Xanthomonas oryzae (Uyeda et Ishiyama) Dowson, in rice. 13269
- BACTERIAL PHLOEM CANCER (PERSIAN WALNUTS)**
Bacterial phloem cancer, a new disease of Persian walnut trees. 13290
- BACTERIAL VACCINES**
The use of salmonella vaccine in outbreaks of salmonellosis in sheep. 13410
- BACTERICIDES**
Study of bactericidal action of four disinfectants in the control of bovine mastitis. 13445
Streptonigrin antibiotics and process for their production. patent 3,372,090. 13642
Method of controlling microbes by means of tetrahalocyclopentadienyldiamines. patent 3,341,405. 13680
- BAITS**
Taste preferences in rodenticide development. 13635
- BANANAS**
Preparing nematode-free banana 'seed'. 13386
On the occurrence of the burrowing nematode, Radopholus similis (Cobb, 1893) Thorne, 1949, on banana in Kerala.

SUBJECT INDEX

BIOCHEMISTRY

- BANOL**
Metabolism and excretion of an insecticide (6-chloro-3,4-dimethylphenyl N-methylcarbamate) in the rat. 13389
- BARLEY**
Some aspects of the barley yellow dwarf virus disease in Manitoba. 13578
Differential resistance of cell walls of *Acer pseudo-platanus*, *Triticum vulgare*, *Hordeum vulgare*, and *Zea mays* to polysaccharide-degrading enzymes. 13232
Note on the effect of N, P, and K in several Alberta soils on the resistance of gateway barley to the net blotch disease. 13247
Influence of light intensity on the reactions of wheat and barley seedlings to *Puccinia striiformis*. 13261
Phytotoxicity and wireworm-control efficacy of insecticidal dressings applied to cereal seed up to a year before planting. 13275
Sterilization of barley malt with gamma radiation. 13310
Effect of gibberellin on the free auxin content in the period of spike differentiation of barley. 13506
Biochemical investigations into the effect of DDT on barley. 13618
- BAYGON**
Control of mosquito adults and larvae with ultra-low volume aerial applications of Baygon and Baygon-Baytex mixture. 13622
- BEANS**
Azobenzene carbamates as insecticides. 13188
Alteration of cell wall components during pathogenesis by *Rhizoctonia solani*. in: Mirocha, C. J., and Uritani, I., ed. the dynamic role of molecular constituents in plant-parasite interaction. proceedings, conference held May 15-21, 1966, Gamagori, Japan. SB611.C6. 13069
Solute and water relations during infection. II. obligate parasites: effect on the movement of solutes and water. in: Mirocha, C. J., and Uritani, I., ed. the dynamic role of molecular constituents in plant-parasite interaction. proceedings, conference held May 15-21, 1966, Gamagori, Japan. SB611.C6. 13208
Screening trial of pre-emergence herbicides in dwarf beans, 1964. 13226
Heat-labile growth-inhibiting factors in beans (*Phaseolus vulgaris*). 13395
Heat-labile growth-inhibiting factors in beans (*Phaseolus vulgaris*). 13619
- BEE BEHAVIOR**
Pheromones of the queen honeybee (*Apis mellifera* L.) which enable her workers to follow her when swarming. 13018
- BEE ECCLIMATICS**
Observations on the alfalfa leaf-cutter bee, *Megachile rotundata*, at Bodgson, Manitoba in 1966. 13018
The confinement period required to rid honeybees of foreign sweetclover pollen. 13112
- BEE VENOM**
Comparative pharmacology of some animal toxins. 13358
- BENEFICIAL INSECTS**
Natural enemies of rust fungi in the tropics. (abstract). 13594
Population sampling for integrated control. in: FAO symposium on integrated pest control, Rome, 1965. proceedings. SB951. F62. 13221
Status of the cereal leaf beetle, *Oulema melanopus* (L.) Coleoptera: Chrysomellidae in North America. 13379
- BENZIMIDAZOLE**
Effect of benzimidazole and kinetin on the nicotinamide nucleotide content of senescing wheat leaves. 13626
- BENZO(B)THIEN-4-YL METHYL CARBAMATE**
Determination of residues of Mobil MC-A-600 (benzo(b)thien-4-yl methylcarbamate) and its hydrolysis product (benzo(h)thiophene-4-ol) in coastal Bermuda grass and milk. 13530
- BENZO(F)THIOPHENE-4-OL**
Determination of residues of Mobil MC-A-600 (benzo(b)thien-4-yl methylcarbamate) and its hydrolysis product (benzo(h)thiophene-4-ol) in coastal Bermuda grass and milk. 13530
- BENZOXAZOLINONE**
Spectrophotofluorometric determination of 6-methoxy-2-benzoxazolinone, an indicator of resistance to European corn borer in *Zea mays*. 13308
- BENZYL KETONES**
Method of controlling plant growth. patent 3,336,131. 13683
- BIBLIOGRAPHY**
Electron microscopy of plant viruses; bibliography 1939-1965. 13213
- BIDRIN**
Gas chromatographic analysis of 3-hydroxy-N-methyl-cis-crotonamide dimethyl phosphate (Azodrin) and 3-hydroxy-N,N-dimethyl-cis-crotonamide dimethyl phosphate (Bidrin). 13528
- BIOCHEMISTRY**
Research needs and priorities: biochemistry. 13014
The calcium-stimulated incorporation of ethanolamine and serine into the phospholipids of the housefly *Musca domestica*. 13026
Evolution of xanthine dehydrogenase in *Drosophila*. 13036
The activation of prophenoloxidase during melanization of the pupal blood of the Chinese oak silkworm, *Antheraea pernyi*. 13039
Natural substrates of the phenoloxidase in the pupal blood of the silkworms, *Antheraea pernyi* and *A. encalypti*. 13040
Characteristics of phenol oxidases in *Moroniella vitripennis* (Walker). 13043
Effect of age on (14C)valine turnover into locust wing proteins. 13071
Phospholipase activity in *Musca domestica* L. 13058
The distribution and localization of digestive enzymes in the alimentary canal and salivary glands of the cotton stainer, *Dysdercus fasciatus*. 13072
Purification and properties of acid ribonucleases from posterior silk gland of silkworm. 13075
Fatty acid composition of the silkworm, *Bombyx mori* L. 13095
Fatty acid composition of the diet and larvae and biosynthesis of fatty acids from 14C-acetate in the cabbage looper, *Trichoplusia ni*. 13098
Changes in electrophoretic properties of haemolymph and terminal oocyte proteins during vitellogenesis in the American cockroach. 13100
The relationship of the fatty acid composition of *Heliothis zea* larvae to that of its diet. 13117
The wild type phenocopy of the rosy mutant of *Drosophila melanogaster* and its relation to xanthine dehydrogenase activity. 13120
Carbohydrate metabolism in the flight muscle of the southern armyworm moth, *Prodenia eridania*. 13132
Ion movements and water transport in the rectum of the locust *Schistocerca gregaria*. 13133
Some effects of thermal acclimation on muscle pyruvate activity and mitochondrial number in *Periplaneta americana* and *Musca domestica*. 13138
Molecular basis for the genetic regulation and coordination of the differentiation process. 13148

SUBJECT INDEX

BIOLOGICAL ASSAY

Biochemistry of virus infection. v. change in nuclear content of host cells infected by virus. in: Mirocha, C. J., and Uritani, I., ed. the dynamic role of molecular constituents in plant-parasite interaction. proceedings, conference held May 15-21, 1966, Gamagori, Japan. SB611.C6. 13249

The biochemistry of plant virus infection. in: Mirocha, C. J., and Uritani, I., ed. the dynamic role of molecular constituents in plant-parasite interaction; proceedings of a conference held May 15-21, 1966, Gamagori, Japan. SB611.C6. 13277

Anaerobic degradation of selected chlorinated hydrocarbon pesticides. 13513

Biochemical toxicology. 13604

Heat-labile growth-inhibiting factors in beans (*Phaseolus vulgaris*). 13619

BIOLOGICAL ASSAY

Bioassay of insecticides for control of *Orosophila melanogaster*. 13365

Use of immunofluorescence and animal tests to detect growth and toxin production by *Clostridium botulinum* type E in feces. 13507

The use of *Polsonia fimetaria* and *Orosophila melanogaster* as test insects for the detection of insecticide residues. 13566

Purification of a protein from *Bacillus thuringiensis* toxic to larvae of Lepidoptera. 13634

BIOLOGICAL CHECKS

The role of rhythms in insect behaviour. 13024

BIOLOGICAL CONTROL (INSECTS)

Inherited partial sterility among survivors from irradiation-eradication experiment. 13154

Genetic control of *Aedes aegypti*. 13162

Current research by the USDA of potential significance to world-wide mosquito control. 13169

Research needs and priorities: Genetic control, including the sterile-male technique. 13183

Biological methods in crop pest control. SB975.07. 13194

Biological control and alternative control schemes. A. S. Balachewsky and F. Wilson, rapporteurs. in: FAO symposium on integrated pest control, Rome, 1965. proceedings. SB951. F62. 13320

Use of alternative biological control schemes. in: FAO symposium on integrated pest control, Rome, 1965. proceedings. SB951. F62. 13335

Essential role of chemicals in crop protection. in: FAO symposium on integrated pest control, Rome, 1965. proceedings. SB951. F62. 13356

Records of the cottony cushion scale, *Icerya purchasi* Maskell in the Cannanore District of Kerala State in India and its control. 13362

A review of hymenopterous parasites of citrus pest aphids of the world and biological control projects (Hym., Aphididae). 13371

Studies on the susceptibility of certain stored products insects to bacterial insecticides. 1. tests with Bakthane L-65. 13489

BIOLOGICAL CONTROL (PESTS)

Biological methods in crop pest control. SB975.07. 13194

BIOLOGICAL CONTROL (WEEDS)

Biological methods in crop pest control. SB975.07. 13194

BIRDS

Additional synonymies within the amblyceran bird lice (Mallophaga). 12981

Importance of an interdisciplinary approach. in: FAO sym-

posium on integrated pest control, Rome, 1965. proceedings. SB951. F62. 13327

Predatory and energetic relations of woodpeckers to the Engelmann spruce beetle. SB996.W6K6. 13342

Salmonella infection in wild birds. 13464

Chlorinated hydrocarbon insecticide residues in selected insects and birds found in association with cotton fields. 13540

BLABEBUS CRANIIPES
Temperature acclimation and its influence on the electrical activity of the nervous system in three species of cockroaches. 13004

BLACK POD (CACAO)
Black-pod disease of *Theobroma cacao*. (Abstract). 13280

BLACK ROT (SWEETPOTATOES)
Influence of environmental temperatures on metabolic alterations related to disease resistance in sweet potato roots infected by black rot. 13201

BLACK SHANK (TOBACCO)
Effect of soil moisture and soil temperature on black shank disease development in tobacco. 13246

Effect of calcium nutrition on black shank of tobacco. (abstract). 13250

BLACK SPOT (ROSA)
Black spot of rose (*Rosa* Lib.). 13291

BLAST (RICE)
Studies on the physiologic races of the rice blast fungus, *Piricularia oryzae* Cav. SB608. R5 C5. 13218

Biochemical response of plants to toxins produced by the rice blast fungus. in: Mirocha, C. J., and Uritani, I., ed. the dynamic role of molecular constituents in plant-parasite interaction. proceedings, conference held May 15-21, 1966, Gamagori, Japan. SB611.C6. 13278

BLATTELLA GERMANICA
Insecticide mode of action. effect of dieldrin on ion movement in the nervous system of *Periplaneta americana* and *Blattella germanica* cockroaches. 13054

BLATTIDAE
The apparent binding of DDT to tissue components. 13584

BLOOD
Some consequences of copulation in *Rhodnius prolixus*. 13029

The activation of prophenoloxidase during melanization of the pupal blood of the Chinese oak silkworm, *Antheraea pernyi*. 13039

Natural substrates of the phenoloxidase in the pupal blood of the silkworms, *Antheraea pernyi* and *A. encalypti*. 13040

Normal differential counts of haemocytes in relation to ecdysis and feeding in *Rhodnius*. 13066

On the hydrogen-ion concentration in the alimentary canal and blood of phytophagous larval Lepidoptera. 13128

Egg production of house-fly, adults fed human blood containing various supplements. 13163

BLOOD CELLS
Normal differential counts of haemocytes in relation to ecdysis and feeding in *Rhodnius*. 13066

BLOOD PLASMA
The nature of haemolymph proteins in relation to the ovarian cycle in the viviparous cockroach, *Nauphoeta cinerea*. 13002

Sexual difference in haemolymph protein of several insects. 13074

Changes in electrophoretic properties of haemolymph and terminal oocyte proteins during vitellogenesis in the American cockroach. 13100

Ion movements and water transport in the rectum of the locust *Schistocerca gregaria*. 13133

SUBJECT INDEX

CARBAMATES

| | | | |
|--|-------|---|-------|
| Influence of oxytocin on diffusion of sulfonamides from plasma into bovine milk. | 13559 | CABBAGE The insect pests of cabbage in Egypt. | 13330 |
| BLUE LOUPE The Stegomyia leaf spot complex on blue lupine. | 13287 | Parathion and methyl parathion residues on cabbage and southern peas. | 13546 |
| BLUEBERRIES Influence of daylength on auxin production in flower buds of the lowbush blueberry. | 13609 | CALCIUM The calcium-stimulated incorporation of ethanolamine and serine into the phospholipids of the housefly Musca domestica. | 13026 |
| BOMBYX MORI Sexual difference in the activity of the pars intercerebralis--corpus cardiacum--corpus allatum system of Bombyx mori. | 13045 | Effect of calcium nutrition on black shank of tobacco. (abstract). | 13250 |
| Dehydrogenase in carbohydrate metabolism in larvae of the silkworm, Bombyx mori L. | 13059 | Influence of some environmental factors on the susceptibility of Pisum sativum to Botrytis cinerea. | 13289 |
| Nitritive effects of alanine, cystine, glycine, serine, and tyrosine on the silkworm, Bombyx mori. | 13062 | Influence of vitamin D on calcium metabolism and the parathyroid glands of cattle. | 13413 |
| Sexual difference in haemolymph protein of several insects. | 13074 | CALLIPHORA VICINA Characteristics of a larval proteinase of Calliphora erythrocephala Meigen. | 13094 |
| Purification and properties of acid ribonucleases from posterior silk-gland of silkworm. | 13075 | Responses of tarsal hairs of the blowfly, Calliphora erythrocephala Meig., to sugar and water. | 13102 |
| Fatty acid composition of the silkworm, Bombyx mori L. | 13095 | CALVES The reaction of calves to helminth infection under natural grazing conditions. II. pathology of terminal disease. | 13471 |
| Effect of apholate on reproductive organ of the female silkworm, Bombyx mori, with special reference to histopathological observation of the ovaries. | 13136 | Experimental helminthiasis in parasite-free calves on marshland pastures | 13481 |
| BOTRYOTICIN The effect of various nitrogen sources on growth of Botryotricin in vitro. (abstract). | 13613 | Effect of ethylene dichloride fumigated feed on animals. sP97.M6. | 13579 |
| BOTRYTIS Experiments on controlling strawberry botrytis rot by spraying. sB953.M6. | 13251 | Absorption, metabolism, and excretion of tritium-labeled famphur in the sheep and calf. | 13583 |
| BOTRYTIS ALLII Selective media to distinguish between two Botrytis species on onion. | 13253 | CANADA Some aspects of the barley yellow dwarf virus disease in Manitoba. | 13232 |
| Studies on the biology of Botrytis allii on Allium cepa. | 13281 | Important forest insects of Ontario in 1966. | 13365 |
| BOTRYTIS CINEREA Selective media to distinguish between two Botrytis species on onion. | 13253 | Residues of organochlorine insecticides and their metabolites in soils in the Atlantic Provinces of Canada. | 13510 |
| Studies on Botrytis cinerea in tomatoes influence of methods of defoliation on the occurrence of stem lesions. | 13284 | CANINE DISTEMPER Distemper outbreak in a zoo. | 13447 |
| Influence of some environmental factors on the susceptibility of Pisum sativum to Botrytis cinerea. | 13289 | CANINE DISTEMPER VACCINES Distemper immunisation. | 13418 |
| BEOCEPHANUS The relationship of the fatty acid composition of Helicthis zea larvae to that of its diet. | 13117 | CAPTAN Gas chromatographic determination of captan residues. | 13550 |
| The effect of 4-hydroxy-3,5-diodobenzonitrile (ioxynil) on respiratory electron transport in Vicia faba L. | 13400 | CARABIDAE Description of two new subspecies of Carabidae. | 12977 |
| BROWN SPOT (EICE) Helminthosporium oryzae Breda de Haan, brown spot of rice. | 13294 | CARBAMATES Azobenzene carbamates as insecticides. | 13069 |
| BRUCELLA The control and eradication of brucellosis. I. serological responses in cattle following vaccination with S.19 and killed Brucella 45/20 adjuvant vaccine. | 13416 | Topical toxicity of several chlorinated hydrocarbon, organophosphorous, and carbamate insecticides to Lygus hesperus. | 13083 |
| II. Brucellosis in Britain--The problem: Control: Eradication. | 13448 | Evaluation of insecticides for control of the swar-beet maggot in Manitoba. | 13297 |
| BRUCHIDIOSIS Ethological notes about egg-laying and the newly emerged larva of Bruchidius ater (Marsh.) (Col. bruchidae). | 13085 | Persistent pesticides. 2. | 13557 |
| BUTT ROT (TREES) Butt rot in yellow-poplar seedling-sprout stands. | 13233 | New extraction system for residue analyses. | 13565 |
| BUTYL-2-CHLOROPHENYL METHYL METHYLPHOSPHORAMIDATE, 4-TEBT Some effects of orally administered DDT on host sheep and two ectoparasites: the yellow-fever mosquito and the Rocky Mountain wood tick. | 13672 | The use of P. f. f. and Drosophila melanogaster as test insects for the detection of insecticide residues. | 13566 |
| | | Toxic hazards from the use of insecticides in the control of Aedes aegypti. | 13576 |
| | | Metabolism and excretion of an insecticide (6-chloro-3,4-dimethylphenyl N-methylcarbamate) in the rat. | 13578 |
| | | Some effects of molecular structure upon anticholinesterase and insecticidal activity of substituted phenyl N-methylcarbamates. | 13643 |

SUBJECT INDEX

CARBAMILATES

Determination of carbaryl and some other carbamates by gas chromatography. 13674
Sulfur-containing carbamate insecticides. patent 3,349,115. 13682

CARBAMILATES

Herbicidal composition and method employing substituted carbamates. patent 3,333,947. 13647
Substituted carbamate herbicides. patent 3,334,130. 13648

CARBARYL

Development of resistance by the tobacco budworm to endrin and carbaryl. 13296
A preventive boll weevil control program applied to a ten-square-mile area within a treated county. 13353
The insects injurious to potatoes. 13366
Determination of carbaryl and some other carbamates by gas chromatography. 13674

CARBONYLATES

Dehydrogenase in carbohydrate metabolism in larvae of the silkworm, *Bombyx mori* L. 13055
Digestion by the larva of the princese scarab, *Sericostina geminata*. 13126
Carbohydrate metabolism in the flight muscle of the southern armyworm moth, *Prodenia eridania*. 13132

CARBON DIOXIDE

New findings about fumigant and atmospheric gases in the control of insects and molds in grain. 13483
Metabolic shifts during infection. III. carbon dioxide fixation in the dark as a nutritional factor in parasitism. in: Mirocha, C. J., and Uritani, I., ed. the dynamic role of molecular constituents in plant-parasite interaction. proceedings, conference held May 15-21, 1966, Gamaori, Japan. sE611.C6. 13625
A foot-controlled device using carbon dioxide for the anesthetization of insects. 13690

CARBON ISOTOPES

Effect of age on (14C)valine turnover into locust wing proteins. 13056
Fatty acid composition of the diet and larvae and biosynthesis of fatty acids from 14C-acetate in the cabbage looper, *Trichoplusia ni*. 13098
Behavior of 14-C-labelled diesel oil in different soils. in: Isotopes in weed research; proceedings of a symposium vienna 25-29 October 1965. s589.S9. 13518
Fate of 2-methyl-2-(methylthio)propion aldehyde O-(methylcarbamoyl)oxime (Temik) in cotton plants and soil. 13535
Metabolism of carbon-14 trifluralin in carrots. 13542
Fate of trifluralin in soils and plants. 13563
Uptake, distribution, and metabolism of monuron and diuron by several plants. 13568
Metabolism and excretion of an insecticide (6-chloro-3,4-dimethylphenyl N-methylcarbamate) in the rat. 13578
Metabolism of C-14-endothall in rats. 13597
Distribution and excretion of dicamba by rats as determined by radiotracer technique. 13599
Metabolism of amino acids in agrobacterium tumefaciens. III. uptake of L-proline. 13608
The effects of indoleacetic acid and 2,4-dichlorophenoxyacetic acid on intermediary metabolism of 14C-labelled organic acids by pea root tips. 13620
Nitric oxide decomposition by free radical-generating systems and by soils. 13657

Determination of carbaryl and some other carbamates by gas chromatography. 13674

CARCINOGENS

Cancer inducing agents. 13444
Resistance of carcinogenic organic compounds to oxidation by activated sludge. 13639

CARPOCAPSA POMONELLA

The control of the Carpocapsa pomonella and the fruit acarids. 13303
Codling moths. in: Smith, C. n. insect colonization and mass production. gL497.S6. 13328

CARROTS

Metabolism of carbon-14 trifluralin in carrots. 13542

CASSAVA STARCH

On the occurrence and control of Harpoglossus sp. a new millepede pest of cultivated crops in Kerala. 13318

CASTORBEANS

New records of hymenopterous parasites from Achaea janata Linn (Lepidoptera: Noctuidae), a serious pest of castor, (Ricinus communis). 13343

CATALASE

Comparison of the California mastitis test, catalase test, and pH readings on quarter milk samples. 13440
Proteins and catalase isoenzymes from Fusarium solani and their taxonomic significance. 13617

CATALOGS

A synoptic catalog of the mosquitoes of the world, supplement III. (Diptera: Culicidae). 12990

CATASCYTHROPUS

The genus Catascythrops Kolbe (Col. curculionidae). Description of a new species. 12940

CATERPILLARS

Bear caterpillars? why?. 13011
Purification of a protein from Bacillus thuringiensis toxic to larvae of Lepidoptera. 13634

CATOPIDAE

Note about the Catopidae from Peloponnesus and description of a new Choleva (Cholevopsis) (Col. catopidae). 12955

CATS

Feline panleucopaemia virus. in vitro comparison of strains with a mink enteriis virus. 13424

CATTLE

Treatment of ringworm in cattle; deaths following the use of a mixture of creosote and tractor vaporising oil. 13411
Influence of vitamin D on calcium metabolism and the parathyroid glands of cattle. 13413
The control and eradication of brucellosis. I. serological responses in cattle following vaccination with S.19 and killed Brucella 45/20 adjuvant vaccine. 13416
Bovine vibriosis vaccine and method of administering same. patent 3,329,573. 13422
The relationship between bovine farcy and tuberculosis. 13432
Bovine adenovirus. 13437
Salmonella typhimurium infection in dairy cows. 13439
The protection of calves against infection with Salmonella typhimurium by means of a vaccine prepared from Salmonella dublin (strain 51). 13441
Control of bovine tuberculosis in some countries. 13442
Method of treating bovine mastitis. patent 3,347,743. 13443
Study of bactericidal action of four disinfectants in the control of bovine mastitis. 13445
II. brucellosis in Britain--The problem: Control:

SUBJECT INDEX

CHEMICAL CONTROL (INSECTS)

- Eradication. 1344B CEBATOCYSTIS ULMI
Factors determining resistance of elms to Ceratocystis
ulmi. 13227
- Vitamin A deficiency in young cattle. 13450
- The effects of diet on reproduction in pigs, sheep and
cattle. VI: cattle-protein, vitamins, minerals and other
dietary substances. 13454 CEBATOPHYLLUS GALLINAE
The action of the male genitalia during the copulation of
the hen flea, Ceratophyllus gallinae (Schrank). 13061
- Disk electrophoresis of body fluids in cattle with
eosinophilic myositis. 13456 CERCOPIDAE
Revision and supplement to the Homoptera part of the work
"Fauna Regni Hungariae" (Fam.: Cercopidae). 12987
- The interpretation of faecal egg-counts. IV. the
influence of faecal consistency and dry matter content on
Fasciola hepatica egg-counts in cattle. 13475 CERCOSPORA BETICOLA
Symptoms of Cercospora leaf spot of sugar beets influenced
by light intensity. 13215
Cercospora leaf fleck disease of beets. 13241
- The interpretation of faecal egg-counts. V. a further
note on single and multiple sampling in the detection of
parasitic infections. 13476
- Metabolism of radioactive cesium (134Cs and 137Cs) and
potassium by dairy cattle as influenced by high and low
forage diets. 13548 CESIUM ISOTOPES
Metabolism of radioactive cesium (134Cs and 137Cs) and
potassium by dairy cattle as influenced by high and low
forage diets. 13548
- Influence of oxytocin on diffusion of sulfonamides from
plasma into bovine milk. 13559 CBALCIDOIDEA
Research of Hymenoptera Chalcidoidea. II. report of
species new, or little known, in the Italian entomofauna.
12995
Research of Hymenoptera Chalcidoidea. VI. genera and
species new to the Italian entomofauna (Encyrtidae,
Aphelinidae, Mymaromidae). 12996
Research of Hymenoptera Chalcidoidea. III. a new species
of the genus Tetramesa Walk. (Hym. Eurytomidae). 12997
- Gas chromatographic determination of famphur and its oxygen
analog residues in bovine milk, blood, and edible tissues. 13562
- Distribution of p,p'-DDT residues in adipose and muscle
tissues of beef cattle. 13564
- CELL WALL
Alteration of cell wall components during pathogenesis by
Rhizoctonia solani. in: Mirocha, C. J., and Uritani,
I., ed. the dynamic role of molecular constituents in plant-
parasite interaction. proceedings, conference held May 15-
21, 1966, Gamaagori, Japan. sE611.C6. 13208
- Differential resistance of cell walls of Acer pseudo-
platanns, Triticum vulgare, Bordenn vulgare, and Zea
mays to polysaccharide-degrading enzymes. 13247
- CELLS
Multipolar stretch receptors and the insect leg reflex. 1304B
- Multiplication of rickettsiae in tick cells in vitro. 13109
- Cellular age changes in insects. in: Aspects of the biology
of aging, H. W. Woolhouse, ed. 13113
- Transplanting cleavage and blastoderm cells in enucleated
egg of Leptinotarsa decemlineata (Coleoptera). 13118
- Marked sensitivity of insect cell lines to Fungizone
(amphotericin B). 13131
- Biochemistry of virus infection. V. change in nuclear con-
tent of host cells infected by virus. in: Mirocha, C. J.,
and Uritani, I., ed. the dynamic role of molecular con-
stituents in plant-parasite interaction. proceedings, con-
ference held May 15-21, 1966, Gamaagori, Japan. sE611.C6. 13249
- Relationships between Wisconsin mastitis test scores and
cell counts in milk. 13428
- Studies of DNA, RNA, and protein synthesis in HeLa S
cells exposed to DDT and dieldrin. 13581
- CELLULOSE
Studies on the regulation of cellulase activity and growth
in excized pea epicotyl sections. 13615
- CENTRAL NERVOUS SYSTEM
Sexual difference in the activity of the pars
intercerebralis--corpus cardiacum--corpus allatum system of
Boshyx mori. 13045
- CEPHALIC SYSTEM
A mechanical harvester for collecting larvae of the wheat
stem sawfly. 13700
- CEBATITIS CAPITATA
Newly recognized hosts of the oriental fruit fly, melon fly,
and Mediterranean fruit fly. 13355
- CHEMICAL CONTROL (INSECTS)
Effect of endrin and trichlorfon applied in artificial diet
against larvae of sugar-cane borer Diatraea saccharalis
(F.) (Lep., Pyralidae). 13049
ULV aerial insecticide application for adult mosquito
control. 13166
Current research by the USDA of potential significance to
world-wide mosquito control. 13169
Ultra-low volume and conventional aerial sprays for control
of adult salt-marsh mosquitoes, Aedes sollicitans (Walker)
and Aedes taeniorhynchus (Wiedemann), in Florida. 13174
New insecticides as nonthermal aerosols for control of
adult mosquitoes. 13175
Research needs and priorities: Chemical control. 13182
Control of mosquito adults and larvae with ultra-low volume
aerial applications of Baygon and Baygon-Baytex mixture. 13188
A.v.c. agreport. 2. 13191
Evaluation of insecticides for control of the sugar-beet
maggot in Manitoba. 13297
Ostrinia nubilalis Huhner, injurions to globe artichoke in
Egypt (Lepidoptera: Pyralidae). 13300
Field evaluation of Temik against some insects and mites
attacking citrus. 13305
An area control program for the pear psylla. 13311
On the occurrence and control of Harpurostreptus sp. a new
millepede pest of cultivated crops in Kerala. 13318
The effect of wheat hng control chemicals on other wheat
pests. 13326
The performance, phytotoxicity and persistence of three
petroleum oils for control of the pear psylla. 13346
Experiments on the control of sisal weevils by dipping
planting material in solutions of systemic insecticides.

SUBJECT INDEX

CHEMICAL CONTROL (PLANT DISEASES)

| | | | |
|---|-------|---|-------|
| | 13347 | patent 3,341,317. | 13661 |
| Systemic insecticides evaluated for two-spotted mite control on greenhouse cucumbers. | 13348 | Pyridazone derivatives and herbicidal compositions containing them. patent 3,323,893. | 13662 |
| A preventive boll weevil control program applied to a ten-square-mile area within a treated county. | 13353 | Herbicidal compositions. patent 3,333,943. | 13663 |
| A preventive boll weevil control program applied to a ten-square-mile area within an untreated county. | 13354 | Herbicidal composition and method. patent 3,343,938. | 13664 |
| Essential role of chemicals in crop protection. in: FAO symposium on integrated pest control, Rome, 1965. proceedings. SE951. P62. | 13356 | Herbicidal composition and method. patent 3,345,157. | 13665 |
| Morphological-biological report of the cabbage maggot "Hylemia brassicae (Bch.)" and experiments in chemical control. | 13360 | Herbicidal composition and method. patent 3,333,946. | 13666 |
| Some new efficient preparations to control thrips and Aphis gossypii on cotton. | 13361 | Herbicidal method employing trichlorohydroxyalkyl esters of chlorinated aliphatic acids. patent 3,338,703. | 13681 |
| The insects injurious to potatoes. | 13366 | Method of controlling plant growth. patent 3,336,131. | 13683 |
| Control of pink bollworm larvae with soil-applied insecticides. | 13378 | CHEMICALS | |
| Method for combating insects with 5-formamido-1-naphthyl N-methylcarbamate. patent 3,323,989. | 13652 | Disposal and decontamination of ag chemical containers. | 13588 |
| Insecticidal and fungicidal usage of beta-aryl amino cinnaroyl compounds. patent 3,355,351. | 13659 | REMOCEPTORS | |
| Sulfur-containing carbamate insecticides. patent 3,349,115. | 13682 | Responses of tarsal hairs of the bluebottle, Calliphora erythrocephala Meig., to sugar and water. | 13102 |
| CHEMICAL CONTROL (PLANT DISEASES) | | CHEMOTERAPIENTS | |
| A.v.c. report. 2. | 13191 | Effect of apholate on reproductive organ of the female silkworm, Bombyx mori, with special reference to histopathological observation of the ovaries. | 13136 |
| Seed disinfection. | 13295 | Possible use of the sterile-male technique for control of Aedes aegypti. | 13184 |
| Fungicidal compositions and methods. patent 3,345,258. | 13670 | Use of alternative biological control schemes. in: FAO symposium on integrated pest control, Rome, 1965. proceedings. SB951. P62. | 13335 |
| Cyclopentadienylamines microbicide. patent 3,328,242. | 13679 | Toxic hazards from the use of insecticides in the control of Aedes aegypti. | 13576 |
| Method of controlling microbes by means of tetrahalocyclopentadienyldiamines. patent 3,341,405. | 13680 | Histological studies of tests in rats treated with certain insect chemosterilants. | 13590 |
| CHEMICAL CONTROL (WEEDS) | | CHEMURGY | |
| Weed control handbook. ed. 4 79 h77. | 13392 | Use of pesticides in selective manners. in: FAO symposium on integrated pest control, Rome, 1965. proceedings. SB951. P62. | 13322 |
| Variable-dose-plot trials with various foliage-applied herbicides on annual weeds under Arabica Coffee in 1965-1966. | 13393 | CHEMOPODIUM | |
| Screening trial of pre-emergence herbicides in dwarf beans, 1964. | 13395 | Techniques used in the application of a 14C labelled herbicide. in: isotopes in weed research; proceedings of a symposium, Vienna, 25-29 October 1965. s589.S9. | 13610 |
| Method of inhibiting growth of undesired vegetation. patent 3,352,662. | 13396 | CHICK EMBRYOS | |
| Method for the control of undesirable vegetation. patent 3,330,640. | 13399 | Multiplication of rickettsiae in tick cells in vitro. | 13109 |
| Method for the control of undesirable plant life. patent 3,356,484. | 13401 | CHICKENS | |
| Method for inhibiting growth of undesirable plants. patent 3,334,990. | 13403 | Marek's disease. i. propagation of the Connecticut A (Conn-A) isolate in chicks. | 13414 |
| Herbicidal composition and method= patent 3,330,641. | 13406 | Influence of artificially induced coccidiosis on the methionine requirement of laying hens. | 13419 |
| Use of 74As-tagged sodium arsenite in a study of effects of a herbicide on pond ecology. in: Isotopes in weed research; proceedings of a symposium Vienna, 25-29 October 1966. s589.S9. | 13509 | The pathophysiology of chronic hypoxia in chickens. | 13436 |
| Substituted acrylonitrile herbicides. patent 3,324,147. | 13640 | An epidemiological study of salmonellosis of chickens. | 13449 |
| Herbicidal composition and method employing substituted carbanilates. patent 3,333,947. | 13647 | An outbreak of oviduct adenocarcinoma in laying hens. | 13451 |
| Substituted carbanilate herbicides. patent 3,334,130. | 13648 | Endotoxin studies in chicks. | 13460 |
| Herbicidal composition and method. patent 3,345,151. | 13650 | Cleaning experiment on respiratory mycoplasmosis in breeding chickens with chlortetracycline. | 13465 |
| Derivatives of pyridazone and a method for their use as herbicides. patent 3,360,357. | 13660 | Effect of ethylene dibromide fumigated feed on animals. SF97.B6. | 13579 |
| Pyridazone derivatives and their use as herbicides. | | CHICKS | |
| | | Effects of dietary DL-METHIONINE on tissue levels of glutathione in hypothyroid chicks. | 13427 |
| | | CHILDREN | |
| | | Salmonella typhimurium infection in dairy cows. | 13439 |
| | | CHILDS | |
| | | On the occurrence and control of Harporostreptus sp. a new millepede pest of cultivated crops in Kerala. | 13318 |

SUBJECT INDEX

CHROMATOGRAPHY

| | | | |
|--|-------|--|-------|
| CHILC SOPHESALIS Sexual difference in haemolymph protein of several insects. | 13074 | Absorption of organochlorine insecticide residues from agricultural soils by root crops. | 13544 |
| CHILO ZONELLUS A catalogue of the hymenopterous and dipterous parasites of Chilo zonellus (Swinhoe) (Crambidae: Lepidoptera). | 12989 | Metabolism of chlorinated insecticides. in: Radioisotopes in the detection of pesticide residues; proceedings of a panel, Vienna, 12-16 April 1965. SH953.P32. | 13551 |
| Differential resistance of some maize composites, composite crosses, hybrids, and varieties to Chilo zonellus Swinhoe (Crambidae: Lepidoptera. i. | 13313 | New extraction system for residue analyses. | 13565 |
| Studies on the susceptibility of different varieties of sorghum, maize and Bajra to Chilo zonellus (Swinhoe) under field and cage conditions and the methods of determining it. | 13340 | Toxic hazards from the use of insecticides in the control of Aedes aegypti. | 13576 |
| CHINA Aircraft in the agriculture and forestry of Communist China. | 13701 | Dynamics of organochlorine insecticides in vertebrates and ecosystems. | 13593 |
| CHINCHILLAS The feeding of griseofulvin in treatment of trichophytosis (ringworm) in chinchillas. | 13468 | The new florisisil: a statistical evaluation for chlorinated pesticides. | 13633 |
| CHIRONOMUS Molecular basis for the genetic regulation and coordination of the differentiation process. | 13148 | Herbicide compositions. patent 3,333,943. | 13663 |
| CHIROTHRIPS New locality records and a new species of Chirothrips Haliday (Thysanoptera: Thripidae). | 12991 | CHLORO-1-(2,4,5-TRICHLOROPHENYL) VINYL DIMETHYL PHOSPHATE, 2-Metabolism of 2-chloro-1-(2,4,5-trichlorophenyl) vinyl dimethyl phosphate in the dog and rat. | 13575 |
| CHIROTHRIPS KURDISTANOS New locality records and a new species of Chirothrips Haliday (Thysanoptera: Thripidae). | 12991 | CHLORO-3,4-DIMETHYLPHENYL N-METHYL CARBAMATE, (6-Metabolism and excretion of an insecticide (6-chloro-3,4-dimethylphenyl N-methylcarbamate) in the rat. | 13578 |
| CHLORANIL Chloranil. in: Zweig, Analytical methods for pesticides, plant growth regulators, and food additives. vol. iii. fungicides, nematocides, and soil fumigants, rodenticides, and food and feed additives. 395 Z9. | 13552 | CHLOROACETIC ACID Contact avicides. patent 3,340,142. | 13592 |
| CHLORDANE Morphological-biological report of the cabbage maggot "Hylemia brassicae (Hch.)" and experiments in chemical control. | 13360 | CHLOROETHYL TRIMETHYLAMMONIUM CHLORIDE, (2-Plant growth regulant. biochemical behavior of 2-chloroethyl trimethylammonium chloride in wheat and in rats. | 13526 |
| The insects injurious to potatoes. | 13366 | Determination of chlorocholine chloride residues in wheat grain, straw, and green wheat foliage. | 13560 |
| CHLORINATED ALIPHATIC ACIDS Herbicidal method employing trichlorobenzoyloxyalkyl esters of chlorinated aliphatic acids. patent 3,338,703. | 13681 | CHLORONEH Determination of residues of chloroneh and a metabolite by microcoulometric gas chromatography. | 13654 |
| CHLORINATED HYDROCARBONS Topical toxicity of several chlorinated hydrocarbon, organophosphorous, and carbamate insecticides to Lygus hesperus. | 13083 | CHLOROTIC LEAFSPOT (APPLES) Chenopodium quinoa, a herbaceous test plant for chlorotic leaf spot virus in apple. | 13260 |
| Evaluation of insecticides for control of the sugar-beet maggot in Manitoba. | 13297 | CHLORTETRACYCLINE Cleaning experiment on respiratory mycoplasmosis in breeding chickens with chlortetracycline. | 13465 |
| Resistance to organochlorine insecticides in the tuber flea beetle, Epithrix tuberis Gent (Coleoptera: Chrysomelidae), in British Columbia. | 13304 | CHOLEVA CEREBUTII Note about the Catopidae from Peloponnesus and description of a new Choleva (Cholevopsis) (Col. catopidae). | 12955 |
| Morphological-biological report of the cabbage maggot "Hylemia brassicae (Hch.)" and experiments in chemical control. | 13360 | CHOLINESTERASES Margin of safety of succinylcholine chloride in horses treated with anticholinesterase pesticides. | 13434 |
| Method for inhibiting growth of undesirable plants. patent 3,334,990. | 13403 | Some effects of molecular structure upon anticholinesterase and insecticidal activity of substituted phenyl N-methylcarbamates. | 13643 |
| Residues of organochlorine insecticides and their metabolites in soils in the Atlantic Provinces of Canada. | 13510 | Preparation and biological activity of the isomers of dimethyl-1,3-dicarbomethoxy-1-propen-2-yl phosphate (Honyl). | 13649 |
| Anaerobic degradation of selected chlorinated hydrocarbon pesticides. | 13513 | Some effects of orally administered DDT on host sheep and two ectoparasites: the yellow-fever mosquito and the Rocky Mountain wood tick. | 13672 |
| Removal of chlorinated insecticide residues from milk fat by molecular distillation. | 13525 | CHROMATOGRAPHY Purification and properties of acid ribonucleases from posterior silk gland of silkworm. | 13075 |
| DDT problem at a glance. | 13532 | Phospholipids in the haemolymph of desert locust, Schistocerca gregaria Forskal. | 13089 |
| A survey of organic chloride impurities in food grade hydrochloric acid. | 13537 | Studies on the metabolism of DDT in the desert locust by paper chromatography. | 13129 |
| Chlorinated hydrocarbon insecticide residues in selected insects and birds found in association with cotton fields. | | Preparations of aflatoxins and determination of their ultraviolet and fluorescent characteristics. | 13488 |
| | | Residues of organochlorine insecticides and their metabolites in soils in the Atlantic Provinces of Canada. | 13510 |
| | | Determination of the herbicide Tordon | |

SUBJECT INDEX

CHROMOSOMES

(4-amino-3,5,6-trichloropiclinic acid) in soil by electron capture gas chromatography. 13517

Aldrin adsorption by soils and clays. 13521

Gas chromatographic analysis of 3-hydroxy-N-methyl-cis-crotonamide dimethyl phosphate (Azodrin) and 3-hydroxy-N,N-dimethyl-cis-crotonamide dimethyl phosphate (Bidrin). 13528

Temperature-programmed gas chromatography of 20 phosphorus-containing insecticides on 4 different columns and its application to the analysis of milk and corn silage. 13529

Determination of residues of Mobil MC-A-600 (benzo(b)thien-4-yl methylcarbasate) and its hydrolysis product (benzo(b)thiophene-4-ol) in coastal bermuda grass and milk. 13530

Pentachloronitrobenzene residues in potatoes. 13543

Additional cleanup of samples on GLC column for TLC determination of pesticide residues. 13545

Gas chromatographic determination of captan residues. 13550

Determination of tetrachlor in crops and soil by electron-capture gas chromatography. 13558

Determination of chlorocholine chloride residues in wheat grain, straw, and green wheat foliage. 13560

Gas chromatographic determination of famphur and its oxygen analog residues in bovine milk, blood, and edible tissues. 13562

New extraction system for residue analyses. 13565

Separation, identification, and measurement of DDT and its metabolites. 13567

A rapid specific method for the gas chromatographic determination of organophosphate pesticides in cold pressed citrus oils. 13569

Report on herbicides and plant growth regulators. 13573

Fate of insecticide residues. decomposition of lindane in soil. 13574

The apparent binding of DDT to tissue components. 13584

Possible reactions for aflatoxin detoxification. 13598

Gas chromatographic measurement of disappearance rates of 2,4-D and 2,4,5-T acids and 2,4-D esters in mice. 13606

Derivatives of (+)-limonene. detection and translocation of quaternary ammonium plant growth retardants in young grapefruit and bean seedlings. 13627

The formation of aflatoxin derivatives. 13636

Gas chromatographic analysis of the insect attractant cue-lure and related compounds. 13637

Determination of piperonyl butoxide by gas chromatography. 13645

Ascending paper chromatography: A way to do it. 13646

Identification of the aldrin artifact. 13653

Determination of residues of chloroneb and a metabolite by microconcentric gas chromatography. 13654

Separation of aflatoxins by two-dimensional thin-layer chromatography. 13655

The gas chromatographic determination of organophosphorus pesticides. II. a comparative study of hydrolysis rates. 13667

Determination of carbaryl and some other carbamates by gas chromatography. 13674

Nickel-63 foil in a standard concentric cell for electron-capture detection. 13691

CHROMOSOMES
Kinetic organization of Lepidoptera chromosomes. 13144

Chromosome formulae of Lepidoptera Rhopalocera from North Africa. 13149

CHRYSANTHEMUM
On heat treatment of *Chrysanthemum morifolium* against *Puccinia horiana*. 13293

CHRYSOMELIDAE
Status of the cereal leaf beetle, *Oulema melanopus* (L.) Coleoptera: Chrysomelidae in North America. 13379

CICINDELIDAE
Some notes on the life. 12959

CIROLEROSUS
Antiliotic cirolerosus and process for producing the same. patent 3,345,262. 13644

CITIES
History of mosquito control in Greater Winnipeg from 1925 to 1966 and an outline of present operations. 13158

CITRUS
A.v.c. agreport. 2. 13191

Field evaluation of Temik against some insects and mites attacking citrus. 13305

Record of the cottony cushion scale, *Icerya purchasi* Maskell in the Cannanore District of Kerala State in India and its control. 13362

A review of hymenopterous parasites of citrus pest aphids of the world and biological control projects (Hym., Aphidoidea). 13371

Spectrophotometric determination of Temik residues in citrus. 13556

CITRUS OILS
A rapid specific method for the gas chromatographic determination of organophosphate pesticides in cold pressed citrus oils. 13569

CLAY SOILS
Aldrin adsorption by soils and clays. 13521

CLEANUP
Additional cleanup of samples on GLC column for TLC determination of pesticide residues. 13545

CLOSTRIDIUM BOTULINUM
Survival and outgrowth of *Clostridium botulinum* type E spores in smoked fish. 13504

Use of immunofluorescence and animal tests to detect growth and toxin production by *Clostridium botulinum* type E in food. 13507

Detection of botulinal toxins by immunodiffusion. 13508

CLOSTRIDIUM PERFRINGENS
Improved medium for sporulation of *Clostridium perfringens*. 13505

COBALT
Treatment of fruits and the like to inhibit decay. patent 3,347,683. 13486

COBALT ISOTOPES
Effect of gamma irradiation on female *Culex pipiens quinquefasciatus*. 13125

Inherited partial sterility among survivors from irradiation-eradication experiment. 13154

Effectiveness of gamma irradiation for control of five species of stored-product insects. 13500

COCCIDIOSIS
Influence of artificially induced coccidiosis on the methionine requirement of laying hens. 13419

COCCINELLA SEPTEMPUNCTATA
Fluoroglide as a barrier to contain nonflying insects in glass containers. 13703

SUBJECT INDEX

COTTON

- COCCINELLIDAE**
Fluoroglide as a barrier to contain nonflying insects in glass containers. 13703
- COCCOIDEA**
Record of the cottony cushion scale, *Icerya purchasi* Maskell in the Cannanore District of Kerala State in India and its control. 13362
- COCCIBICLUS SATIVUS**
Influence of substances and soil treatments on the germination of spores of *Cochliotichus sativus*. 13219
- COELIDIANA**
New neotropical Neocoelidiinae with keys to the species of Coelidiana, Xenocoelidia, and Nelidina (Hemiptera: Cicadellidae). 12963
- COENZYMES**
Proteins and catalase isoenzymes from *Fusarium solani* and their taxonomic significance. 13617
- COFFEE**
Variable-dosage-plot trials with various foliage-applied herbicides on annual weeds under Arabica Coffee in 1965-1966. 13393
- COLD**
Temperature acclimation and its influence on the electrical activity of the nervous system in three species of cockroaches. 13004
Some effects of thermal acclimation on muscle pyruvate activity and mitochondrial number in *Periplaneta americana* and *Musca domestica*. 13138
- COLEOPTERA**
Collections of aquatic Coleoptera larvae in the Ethiopian Region: South Africa and Rhodesia (1959). 12936
Maxillary glands of some coleopteran larvae. 13130
Coleoptera infesting stored products. in: Smith, C. n. insect colonization and mass production. pL497.56. 13495
- COLEP**
Metabolism of O-phenyl-O'-(4-nitrophenyl) methylphosphonothioic acid (Colep) in plants and animals. 13555
- COLLEMBICLUS LINDEMUTHIANUM**
Differential resistance of cell walls of *Acer pseudo-platanus*, *Triticum vulgare*, *Hordeum vulgare*, and *Zea mays* to polysaccharide-degrading enzymes. 13247
- COLLEP**
Changes of the wing pattern in the moths of the genus *Zygaena* Fabr. (Lepidoptera, Zygaenidae) obtained by intrapupae injections. 13028
Comparative studies on reciprocal interchange of the corpora allata between males and females of adult *Schistocerca gregaria* (Forsk.) (Orthoptera: Acrididae). 13106
Effect of population density on the larval coloration and development of larva and pupa in the larger pellucid hawk moth, *Cephenodes hylas* L (Lepidoptera: Sphingidae). 13115
- COLORIMETRY**
Colorimetric determination of Alar residues in apples. 13539
- COMMUNITIES**
Separating the rural and urban synanthropic fly faunas. 13171
- CONFERENCES**
Disease reports of the Southern Conference on Avian Diseases (SCAD) 1966. 13433
- CONOTACHILUS MENDESBAB**
Hibernation of the plum curculio and its spring migration to host trees. 13370
- CONTAINERS**
Disposal and decontamination of agricultural chemical containers. 13588
- CONVENIENCE FOOD**
Use of immunofluorescence and animal tests to detect growth and toxin production by *Clostridium botulinum* type E in food. 13507
- COPPER**
Influence of copper and zinc on the incidence of potato scab. 13217
- COBN**
Differential resistance of cell walls of *Acer pseudo-platanus*, *Triticum vulgare*, *Hordeum vulgare*, and *Zea mays* to polysaccharide-degrading enzymes. 13247
Biology of radicolous aphids on maize. 13299
Spectrophotofluorometric determination of 6-methoxy-2-benzoxazolinone, an indicator of resistance to European corn borer in *Zea mays*. 13308
Host range of larvae of the northern corn rootworm (Coleoptera: Chrysomelidae). 13309
Differential resistance of some maize composites, composite crosses, hybrids, and varieties to *Chilo zonellus* Swinhoe (Crambidae: Lepidoptera. i. 13313
Studies on the susceptibility of different varieties of sorghum, maize and bajra to *Chilo zonellus* (Swinhoe) under field and cage conditions and the methods of determining it. 13340
Effect of moisture content and temperature on invasion of stored corn by *Aspergillus flavus*. 13487
Effect of high-amylose field corn on larval growth and survival of five species of stored-grain insects. 13498
Gas chromatographic analysis of 3-hydroxy-N-methyl-cis-crotonamide dimethyl phosphate (Azodrin) and 3-hydroxy-N,N-dimethyl-cis-crotonamide dimethyl phosphate (Bidrin). 13528
Temperature-programmed gas chromatography of 20 phosphorus-containing insecticides on 4 different columns and its application to the analysis of milk and corn silage. 13529
- COBPOBA ALLATA**
Sexual difference in the activity of the pars intercerebralis--corpus cardiacum--corpus allatum system of *Bombyx mori*. 13045
Comparative studies on reciprocal interchange of the corpora allata between males and females of adult *Schistocerca gregaria* (Forsk.) (Orthoptera: Acrididae). 13106
- COBPOBA CARDIACA**
Sexual difference in the activity of the pars intercerebralis--corpus cardiacum--corpus allatum system of *Bombyx mori*. 13045
- COBTISONE**
Feeder lamb response to cortisone acetate and diethylstilbestrol. 13420
- COSMIC RAYS**
Action of natural ionizing radiations in *Drosophila melanogaster*. 13107
- COSMOPOLITES SORDIDUS**
Contribution to the knowledge on *Cosmopolites sordidus* (Germar) (Coleoptera, Curculionidae). i. 12982
- COSTS**
Some costs of insect damage and crop protection. in: FAO symposium on integrated pest control, Rome, 1965. proceedings. SB951. P62. 13372
Design of a modern meat-packing waste treatment plant. 13519
- COTTON**
The distribution and localization of digestive enzymes in the alimentary canal and salivary glands of the cotton stainer, *Dysdercus fasciatus*. 13072
Physiology of wilt disease. in: Mirocha, C. J., and Uritani, I., ed. the dynamic role of molecular constituents in plant-parasite interaction. proceedings, conference held

SUBJECT INDEX

COTTONSEED

May 15-21, 1966, Cramagori, Japan. SE611.E6. 13225

The determination of DDT deposited on cotton plants in an airspray trial in Tanzania. 13286

The pick-up and penetration of ultra-low-volume and emulsifiable concentrate malathion formulations by tobacco budworm larvae. 13301

Effect of treating cotton seed with dieldrin, Abavit B, and aldrin on the emergence of pink bollworm moths. 13341

Comparative effect of the boll weevil on the productivity of Coker 100 cotton in North Carolina. 13351

Effects of nitrogen fertilization on cotton under boll weevil attack in North Carolina. 13352

A preventive boll weevil control program applied to a ten-square-mile area within a treated county. 13353

Control of cotton insects with an insect-collecting machine. 13359

Some new efficient preparations to control thrips and *Aphis gossypii* on cotton. 13364

Systemic activity of Shell SE-9429 in cotton plants. 13363

Constituents of the cotton bud. IX. further studies on a polar boll weevil feeding stimulant complex. 13374

Control of pink bollworm larvae with soil-applied insecticides. 13378

Distribution of the reniform nematode in relation to crop failure of cotton in Louisiana. 13380

Rate of 2-methyl-2-(methylthio)propion aldehyde O-(methylcarbamoyl)oxime (Temik) in cotton plants and soil. 13535

Chlorinated hydrocarbon insecticide residues in selected insects and birds found in association with cotton fields. 13540

DEF. in: Zweig, Analytical methods for pesticides, plant growth regulators, and food additives. vol. iv. herbicides. 395-25. 13554

Uptake, distribution, and metabolism of monuron and diuron by several plants. 13568

Effect of environmental and biological factors on persistence of malathion applied as ultra-low-volume or emulsifiable concentrate to cotton plants. 13607

The selection of a solvent for use with low volume aerial spraying of cotton plants. 13611

A flail machine for destroying fallen cotton squares infested with boll weevils. 13693

COTTONSEED

Gas chromatographic determination of captan residues. 13550

CULICIDEALS

A survey of organic chloride impurities in food grade hydrochloric acid. 13537

Identification of the aldrin artifact. 13653

COWPEAS

Parathion and methyl parathion residues on cathage and southern peas. 13546

CRABS

Effects of pesticides on osmoregulatory ability of estuarine fauna. 13600

CREOSOTE

Treatment of ringworm in cattle; deaths following the use of a mixture of creosote and tractor vaporising oil. 13411

CRONARTIUM QUERCUCUM

Histology of Cronartium quercuum galls on shortleaf pine. 13238

CROP LOSSES

The essential role of economic-injury population levels. P. J. Simmonds and E. Horber, rapporteurs. in: FAO symposium on integrated pest control, Rome, 1965. proceedings. SR951. P62. 13321

Some costs of insect damage and crop protection. in: FAO symposium on integrated pest control, Rome, 1965. proceedings. SR951. P62. 13372

Distribution of the reniform nematode in relation to crop failure of cotton in Louisiana. 13380

Some observations on the probable damage caused by rats in Bombay. 13501

CROP VARIETIES

Effect of soil moisture and soil temperature on black shank disease development in tobacco. 13246

Note on the effect of N, P, and K in several Alberta soils on the resistance of gateway barley to the net blotch disease. 13261

Praser oats. 13279

Comparative effect of the boll weevil on the productivity of Coker 100 cotton in North Carolina. 13351

Comparison of the pathogenicity and development of the Va. 2 isolate of *Heterodera glycines* on Pickett and Lee soybeans. (abstract). 13387

CROP YIELDS

Yield of glasshouse tomatoes as affected by strains of tobacco mosaic virus. 13266

CROPS

A.v.c. agreport. 2. 13191

Essential role of chemicals in crop protection. in: FAO symposium on integrated pest control, Rome, 1965. proceedings. SR951. P62. 13356

Determination of terrachlor in crops and soil by electron-capture gas chromatography. 13558

Fate of trifluralin in soils and plants. 13563

The new florisisil: a statistical evaluation for chlorinated pesticides. 13633

CRYOGENICS

Cryogenic storage of conidia of *Peronospora tabacina*. (abstract). 13214

CRYPTOLESTES FERRUGINEUS

Effectiveness of gamma irradiation for control of five species of stored-product insects. 13500

CUCUMBERS

Electron microscopic observations on haustoria isolated from cucumber leaves infected with powdery mildew. 13223

Systemic insecticides evaluated for two-spotted mite control on greenhouse cucumbers. 13348

CUE-LURE

Gas chromatographic analysis of the insect attractant cue-lure and related compounds. 13637

CULEX

Six new species of the Culex (*Lophoceraomyia*) mammilifer-group from Thailand (Diptera: Culicidae). 12937

CULEX PIPIENS

Non-dependence of the saturation of depot fat on temperature and photoperiod in a hibernating mosquito. 13050

Non-specificity of the male factor enhancing egg-laying in Diptera. 13079

Evaluation of insecticides against four species of adult mosquitoes in the Panama Canal Zone, 1967. 13157

New insecticides as nonthermal aerosols for control of adult mosquitoes. 13175

Observations on *Culex pipiens* larvae infested with *Vorticella* sp. 13180

SUBJECT INDEX

DACUS CUCURBITAE

| | | | |
|--|-------|--|-------|
| CULEX PIPIENS QUINQUEFASCIATUS A comparative study of larval embryogenesis in the mosquito <i>Culex fatigans</i> Wiedemann (Diptera: Culicidae) and the sheep-fly, <i>Lucilia sericata</i> Meigen (Diptera: Calliphoridae). i. description of embryonic development. | 13030 | CULICOIDES Observations on larval habitats and the winter hibernomics of some common species of Culicoides (Diptera: Ceratopogonidae) in the central Columbian Basin. | 12986 |
| Effect of gamma irradiation on female <i>Culex pipiens quinquefasciatus</i> . | 13125 | CULISETA MELANOBA Interruption of diapause and rearing larvae of <i>Culiseta melanura</i> (Cogn.). | 13055 |
| The larvicidal activity of several liquid detergents and quaternary ammonium compounds. | 13190 | CULTURE MEDIA In vitro hatching of <i>Gastrophilus intestinalis</i> larvae. | 13009 |
| CULEX RESTUANS Control of mosquito adults and larvae with ultra-low volume aerial applications of Baygon and Baygon-Baytex mixture. | 13188 | Selective media to distinguish between two <i>Botrytis</i> species on onion. | 13253 |
| CULICIDAE Taxonomy of <i>Aedes aegypti</i> and related species. | 12971 | Cultivation of avian encephalomyelitis virus in vitro. 1. in chick embryo neuroglial cell culture. | 13431 |
| A synoptic catalog of the mosquitoes of the world, supplement III. (Diptera: Culicidae). | 12990 | Improved medium for sporulation of <i>Clostridium perfringens</i> . | 13505 |
| Intersexuality in mosquitoes. (Abstract). | 13015 | CUBCULIONIDAE A taxonomic separation of larvae of the genus <i>Sitophilus</i> by head capsule morphology (Coleoptera: Curculionidae). | 12957 |
| Feeding stimuli and artificial feeding. | 13046 | CUTICLE Study of the reconstitution of the cuticle as a result of of a tegumentary excision in <i>Locusta migratoria</i> . | 13110 |
| A simple method of mosquito ovary dissection. | 13088 | CUTIN Chemical and physical nature of plant cuticles in relation to the deposition and penetration of pesticides. in: Radioisotopes in the detection of pesticide residues; proceedings of a panel, Vienna, 12-16 April 1965 SB953. P32. | 13623 |
| Evaluation of insecticides against four species of adult mosquitoes in the Panama Canal Zone, 1967. | 13157 | CYANOHYDRINS Contact avicides. patent 3,340,142. | 13592 |
| History of mosquito control in Greater Winnipeg from 1925 to 1966 and an outline of present operations. | 13156 | CYCASIN Cancer inducing agents. | 13444 |
| Trapping mosquitoes with sound. (abstract). | 13159 | CYCLOPENTADIENYLIMINES Cyclopentadienylimines microbicide. patent 3,328,242. | 13679 |
| Seasonal activity of mosquito predators in woodland pools in Ontario. | 13161 | CYCLOPROPYL CARBANILATES Herbicidal composition and method employing substituted carbanilates. patent 3,333,947. | 13647 |
| Responses of <i>Aedes aegypti</i> (L) from Alabama, Georgia and South Carolina to DDT, dieldrin, and malathion. | 13164 | CYNODON DACTYLON Determination of residues of Mohil MC-A-600 (benzo(h)thien-4-yl methylcarbamate) and its hydrolysis product (benzo(h)thiophene-4-ol) in coastal Bermuda grass and milk. | 13530 |
| The egg-laying habits of <i>Aedes aegypti</i> (Linnaeus) in central Texas. | 13165 | CYPERACEAE Natural enemies of rust fungi in the tropics. (abstract). | 13221 |
| <i>Aedes aegypti</i> and other mosquitoes in relation to the dengue syndrome. | 13168 | CYSTINE Nutritive effects of alanine, cystine, glycine, serine, and tyrosine on the silkworm, <i>Bombyx mori</i> . | 13062 |
| Resistance to insecticides in <i>Aedes aegypti</i> and related species. | 13173 | CYSTS The effect of various factors on larval emergence from cysts of <i>Heterodera glycines</i> . | 13390 |
| Ultra-low volume and conventional aerial sprays for control of adult salt-marsh mosquitoes, <i>Aedes sollicitans</i> (Walker) and <i>Aedes taeniorhynchus</i> (Wiedemann), in Florida. | 13174 | CYTOGENETICS Formal genetics and cytogenetics of <i>Aedes aegypti</i> . | 13145 |
| New insecticides as nonthermal aerosols for control of adult mosquitoes. | 13175 | Cytogenetics of <i>Aedes aegypti</i> . | 13153 |
| Preliminary observations on the incidence and biology of a nematode of <i>Aedes sollicitans</i> (Walker) in Louisiana. | 13177 | C14 Techniques used in the application of a ¹⁴ C labelled herbicide. in: isotopes in weed research; proceedings of a symposium, Vienna, 25-29 October 1965. s589.S9. | 13610 |
| Observations on <i>Culex pipiens</i> larvae infested with <i>Vorticella</i> sp. | 13180 | D, 2,4- Hazards of herbicide drift. | 13586 |
| Laboratory and field investigations of mosquito populations associated with oxidation lagoons in Missouri. | 13185 | Gas chromatographic measurement of disappearance rates of 2,4-D and 2,4,5-T acids and 2,4-D esters in mice. | 13606 |
| Control of mosquito adults and larvae with ultra-low volume aerial applications of Baygon and Baygon-Baytex mixture. | 13188 | The effects of indoleacetic acid and 2,4-dichlorophenoxyacetic acid on intermediary metabolism of ¹⁴ C-labelled organic acids by pea root tips. | 13620 |
| The larvicidal activity of several liquid detergents and quaternary ammonium compounds. | 13190 | DACUS CUCURBITAE Newly recognized hosts of the oriental fruit fly, melon fly, and Mediterranean fruit fly. | 13355 |
| Problems in WHO on pesticide residues. in: Radioisotopes in the detection of pesticide residues; proceedings of a panel Vienna 12-16 April 1965. SB953.P32. | 13570 | | |
| Insecticidal and fungicidal usage of meta-arylamino cinnasoyl compounds. patent 3,355,351. | 13659 | | |
| How we modified a hack pack sprayer for ULV insecticide applications. | 13694 | | |

SUBJECT INDEX

DACUS DCESALIS

Gas chromatographic analysis of the insect attractant cue-
lure and related compounds. 13637

DACUS DCESALIS

Newly recognized hosts of the oriental fruit fly, melon fly,
and Mediterranean fruit fly. 13355

DATURA FESOX

Techniques used in the application of a ¹⁴C labelled herbi-
cide. in: isotopes in weed research; proceedings of a sym-
posium, Vienna, 25-29 October 1965. s589.S9. 13610

DDT

Studies on the metabolism of DDT in the desert locust by
paper chromatography. 13129

Responses of Aedes aegypti (L) from Alabama, Georgia and
South Carolina to DDT, dieldrin, and malathion. 13164

The determination of DDT deposited on cotton plants in
an airspray trial in Tanzania. 13286

Resistance to organochlorine insecticides in the tuber flea
beetle, Epitrix tuberis Gent (Coleoptera;
Chrysomelidae), in British Columbia. 13304

Evaluation in the greenhouse of a new insecticide for
bellwren control. 13345

A preventive boll weevil control program applied to a ten-
square-mile area within a treated county. 13353

A preventive boll weevil control program applied to a ten-
square-mile area within an untreated county. 13354

Morphological-biological report of the cabbage maggot
"Eylexia brassicae (Pch.)" and experiments in chemical
control. 13360

The insects injurious to potatoes. 13366

Residues of organochlorine insecticides and their
metabolites in soils in the Atlantic Provinces of Canada. 13510

Anaerobic degradation of selected chlorinated hydrocarbon
pesticides. 13513

DDT problem at a glance. 13532

Problems with DDT in fish culture operations. 13536

Chlorinated hydrocarbon insecticide residues in selected
insects and birds found in association with cotton fields. 13540

Distribution of p,p'-DDT residues in adipose and muscle
tissues of beef cattle. 13564

Separation, identification, and measurement of DDT and its
metabolites. 13567

Problems in WHO on pesticide residues. in: Radioisotopes
in the detection of pesticide residues; proceedings of a
panel Vienna 12-16 April 1965. s8953.P32. 13570

Distribution of heptachlor residues in pond ecosystems in
southwestern Virginia. 13572

Studies of DNA, RNA, and protein synthesis in HeLa S
cells exposed to DDT and dieldrin. 13581

The apparent binding of DDT to tissue components. 13584

Dynamics of organochlorine insecticides in vertebrates and
ecosystems. 13593

DDT-INDUCED metabolic changes in rat liver. 13595

The selection of a solvent for use with low volume aerial
spraying of cotton plants. 13611

Biochemical investigations into the effect of DDT on
barley. 13622

Ascending paper chromatography: A way to do it. 13646

DECOMPOSITION

Photodecomposition of dieldrin and aldrin. 13056

Fate of 2-methyl-2-(methylthio)propion aldehyde
O-(methylcarbamoyl)oxime (Temik) in cotton plants and
soil. 13535

Review of the metabolism and decomposition of diguac and
paraguac. 13541

Influence of physicochemical properties on biodegradability
of phenylcarbamate herbicides. 13549

Fate of trifluralin in soils and plants. 13563

Uptake, distribution, and metabolism of monuron and dinuron
by several plants. 13568

Fate of insecticide residues. decomposition of lindane in
soil. 13574

Metabolism of 2-chloro-1-(2,4,5-trichlorophenyl)vinyl
dimethyl phosphate in the dog and rat. 13575

Gas chromatographic measurement of disappearance rates of
2,4-D and 2,4,5-T acids and 2,4-D esters in mice. 13606

Amitrole decomposition by free radical-generating systems
and by soils. 13657

DECONTAMINATION

Secretary Freeman announces pesticide decontamination
program. 13511

Disposal and decontamination of ag chemical containers. 13588

DEFICIENCY DISEASES

The comparative effects of vitamin deficiency on develop-
ment and on adult fecundity of Tribolium castaneum. 13005

Dietary amino acid and nucleic imbalance leading to
altered tumour frequency in the adult housefly, Musca
domestica. 13013

Selenium in crops in the United States in relation to
selenium-responsive diseases of animals. 13429

Vitamin A deficiency in young cattle. 13450

The effects of diet on reproduction in pigs, sheep and
cattle. VI: cattle-protein, vitamins, minerals and other
dietary substances. 13454

Destruction of rachitogenic activity of isolated soybean
protein by autoclaving as demonstrated with turkey poults. 13458

DEPOLIAMS

DEF. in: Zweig, Analytical methods for pesticides, plant
growth regulators, and food additives. vol. iv. herbicides.
395 29. 13554

DEPOLIATION

Simulated Nantucket pine tip moth attacks reduce root
development of shortleaf pine seedlings. 13317

Process for plant defoliation. patent 3,359,092. 13614

DEGRADATION

Anaerobic degradation of selected chlorinated hydrocarbon
pesticides. 13513

Separation, identification, and measurement of DDT and its
metabolites. 13567

Degradation of aromatic amino acids by fungi. II.
purification and properties of phenylalanine
ammonia-lyase from Ustilago bordei. 13628

Possible appearance of degradation products of paraguac in
crops. in: Isotopes in weed research; proceedings of a
symposium, Vienna, 25-29 October 1965. s589.S9. 13629

DERYDROGENASES

Dehydrogenase in carbohydrate metabolism in larvae of the
silkworm, Bombyx mori L. 13059

SUBJECT INDEX

| | DIET |
|---|---|
| DENDROCTONUS FCBNTALIS Southern pine beetles. in: Smith, C. N. insect colonization and mass production. GL497.56. 13314 | pesticides by total phosphorus. 13531 |
| DENDROCTONUS CBESUS Predatory and energetic relations of woodpeckers to the Engelmann spruce beetle. SE996 .W6K6. 13342 | Translocation of insecticides from soils into pea plants effects of the detergent IAS on translocation and plant growth. 13553 |
| DENGUE (MAN) Aedes aegypti and other mosquitoes in relation to the dengue syndrome. 13168 | DICAMBA Distribution and excretion of dicamba by rats as determined by radiotracer technique. 13599 |
| DEOXYRIBONUCLEIC ACID Studies of DNA, RNA, and protein synthesis in HeLa S cells exposed to DDT and dieldrin. 13581 | DICHLORO-2,2-BIS(P-CHLOROPHENYL) ETHYLENE, 1,1- Chlorinated hydrocarbon insecticide residues in selected insects and birds found in association with cotton fields. 13540 |
| DERMACEITICE ANDEESONI Some effects of orally administered DDT on host sheep and two ectoparasites: the yellow-fever mosquito and the Rocky Mountain wood tick. 13672 | Distribution of p,p'-DDT residues in adipose and muscle tissues of beef cattle. 13564 |
| DERMAPTERA Records of the orthopteran insects in Ontario. 12994 | The apparent binding of DDT to tissue components. 13584 |
| DERMATITIS Low incidence of staphylococcal dermatitides in animals with high incidence of staphylococcus aureus. 1. preliminary study of cats. 13421 | DICHLORO-3-(4-CHLOROPHENYL) SALICYLANILIDE, 4'-5- Evaluation in the greenhouse of a new insecticide for hollyhock control. 13345 |
| DESUCRETING Fatty alcohol inhibition of tobacco auxiliary and terminal bud growth. 13630 | DICOSMOECUS FRONTALIS A new synonymy in the Trichoptera. 12950 |
| DETERGENTS The larvicidal activity of several liquid detergents and quaternary ammonium compounds. 13190 | DIEBACK (ULMUS) Factors determining resistance of elms to Ceratocystis ulmi. 13227 |
| Translocation of insecticides from soils into pea plants effects of the detergent IAS on translocation and plant growth. 13553 | DIELDRIN Insecticide mode of action. effect of dieldrin on ion movement in the nervous system of Periplaneta americana and Blattella germanica cockroaches. 13054 |
| DETOXIFICATION Possible reactions for aflatoxin detoxification. 13598 | Photodecomposition of dieldrin and aldrin. 13056 |
| DIABECTICA CALTEATA A semisynthetic diet for adult banded cucumber beetles. 13025 | Responses of Aedes aegypti (L) from Alabama, Georgia and South Carolina to DDT, dieldrin, and malathion. 13164 |
| Mass rearing banded cucumber beetles, with notes on rearing spotted and striped cucumber beetles. 13027 | Resistance to organochlorine insecticides in the tiner flea beetle, Epithrix tuberis Gent (Coleoptera: Chrysomelidae), in British Columbia. 13304 |
| DIABECTICA LONGICOENIS Host range of larvae of the northern corn rootworm (Coleoptera: Chrysomelidae). 13309 | Effect of treating cotton seed with dieldrin, Abavit E, and aldrin on the emergence of pink hollyhock moths. 13341 |
| DIABECTICA UNDECIMPUNCTATA Mass rearing banded cucumber beetles, with notes on rearing spotted and striped cucumber beetles. 13027 | Residues of organochlorine insecticides and their metabolites in soils in the Atlantic Provinces of Canada. 13510 |
| DIAGNOSIS The diagnosis of helminthiasis in horses. 13480 | Anaerobic degradation of selected chlorinated hydrocarbon pesticides. 13513 |
| DIABINO-1,2,3,4-TETRAHALOCYCLOPENTADIENE, 5,5- Method of controlling microbes by means of tetrahalocyclopentadienyldiamines. patent 3,341,405. 13680 | Toxicity evaluation of a technique for introducing dieldrin into water. 13580 |
| DIAPAUSE Interruption of diapause and rearing larvae of Cnisiseta melanura (Cg). 13055 | Studies of DNA, RNA, and protein synthesis in HeLa S cells exposed to DDT and dieldrin. 13581 |
| A contribution to the knowledge of the diapause in Perillus hioculatus (Fabr) (Heteroptera, Pentatomidae). 13063 | The retention of triphenyltin and dieldrin and its relevance to the toxic effects of multiple dosing. in: Radioisotopes in the detection of pesticide residues; proceedings of a panel, Vienna, 12-16 April 1965. S953.P32. 13585 |
| DIATRAEA SACCHARALIS Effect of endrin and trichlorfon applied in artificial diet against larvae of sugar-cane borer Diatraea saccharalis (F.) (Lep., Pyralidae). 13049 | Dynamics of organochlorine insecticides in vertebrates and ecosystems. 13593 |
| Inherited partial sterility among survivors from irradiation-sterilization experiment. 13154 | DIESEL FUELS Behavior of 14-C-labelled diesel oil in different soils. in: Isotopes in weed research; proceedings of a symposium vienna 25-29 October 1965. S589.S9. 13518 |
| DIAZINON Resistance to organochlorine insecticides in the tuber flea beetle, Epithrix tuberis Gent (Coleoptera: Chrysomelidae), in British Columbia. 13304 | DIET Effects on light and sugars on rearing the cotton aphid, Aphis gossypii, on a germ-free and holidic diet. 13006 |
| Control of pink hollyhock larvae with soil-applied insecticides. 13378 | Nutritional relationships in larvae of Oryzaephilus surinamensis. 13031 |
| Rapid method for surface residues of organophosphorus | A completely defined synthetic diet for ants (Hym., Formicidae). 13038 |
| | Gustation of dietary amino acids by the aphid Myzus persicae. 13091 |
| | Effect of amino acid and sugar concentrations on the food uptake of the aphid Myzus persicae. 13092 |

SUBJECT INDEX

DIETHYLSTILBESTROL

| | | | |
|--|-------|--|-------|
| Fatty acid composition of the diet and larvae and bio-synthesis of fatty acids from ¹⁴ C-acetate in the cabbage looper, <i>Trichoplusia ni</i> . | 13D98 | Studies on experimental poisoning of agricultural chemicals in dogs. 1. experimental poisoning of lowly toxic raticide in dogs. | 13587 |
| The relationship of the fatty acid composition of <i>Heliothis zea</i> larvae to that of its diet. | 13117 | DOBACADIOMINI A new dorcadion from Greece (Col. cerambycidae). | 12938 |
| The effects of diet on reproduction in pigs, sheep and cattle. VI: cattle-protein, vitamins, minerals and other dietary substances. | 13454 | DOSAGE Insecticide homologosis. | 13066 |
| Metabolism of radioactive cesium (¹³⁴ Cs and ¹³⁷ Cs) and potassium by dairy cattle as influenced by high and low forage diets. | 13548 | Insecticides for use against <i>Aedes aegypti</i> . | 13181 |
| Feeder lamb response to cortisone acetate and diethylstilbestrol. | 1342D | Variable-dosage-plot trials with various foliage-applied herbicides on annual weeds under Arabica Coffee in 1965-1966. | 13393 |
| Experimental evidence for a hormonal control of digestion in the tsetse fly, <i>Glossina morsitans</i> Westwood: a study of the larva, pupa, and teneral adult fly. | 13077 | DROSOPHILA Evolution of xanthine dehydrogenase in <i>Drosophila</i> . | 13D36 |
| Determination of rogor and dieldrin by the isotope dilution method. in: Radioisotopes in the detection of pesticide residues; proceedings of a panel, Vienna, 12-16 April 1965. SE953.F32. | 13524 | Senita cactus alkaloids: Their significance to Sonoran Desert <i>Drosophila</i> ecology. | 13073 |
| Reactions of peach trees and peach tree viruses to treatment with dimethyl sulfoxide and other chemicals. | 13262 | DROSOPHILA MELANOGASTER Anisic acid esters as knockdown agents. | 13008 |
| Preparation and biological activity of the isomers of dimethyl-1,3-dicarboxymethoxy-1-propen-2-yl phosphate (Eosyl). | 13649 | Studies on natural populations. VI. competition between <i>Drosophila melanogaster</i> and <i>Drosophila simulans</i> . | 13D34 |
| Black spot of rose (<i>Marssonina rosae</i> Lih.). | 13291 | Respiration in <i>Drosophila melanogaster</i> in the course of metamorphosis. effect of puparium formation, nymphal molting, and of emergence. | 13044 |
| On the occurrence and control of <i>Baryprostrepus</i> sp. a new millepede pest of cultivated crops in Kerala. | 13318 | Dose of lethal temperature in the study of effects of thermal treatments on the development of several primary sexual characters in the triploid intersexed <i>Drosophila melanogaster</i> Meig. | 13078 |
| Non-specificity of the male factor enhancing egg-laying in Diptera. | 13079 | Action of natural ionizing radiations in <i>Drosophila melanogaster</i> . | 13107 |
| The danger-index of the synanthropic flies. | 13170 | The wild type phenocopy of the rosy mutant of <i>Drosophila melanogaster</i> and its relation to xanthine dehydrogenase activity. | 1312D |
| Separating the rural and urban synanthropic fly faunas. | 13171 | Influence of age on ovarian function in <i>Drosophila melanogaster</i> . | 13140 |
| Review of the metabolism and decomposition of dieldrin and paraguat. | 13541 | Inheritance of ether resistance in <i>Drosophila melanogaster</i> . | 13152 |
| Adsorption of lipyridylium herbicides in soil. | 13571 | Persistence of lethal genes associated with SD in natural populations of <i>Drosophila melanogaster</i> . | 13155 |
| A simple method of mosquito ovary dissection. | 13088 | Bioassay of insecticides for control of <i>Drosophila melanogaster</i> . | 13369 |
| Control of pink bollworm larvae with soil-applied insecticides. | 13378 | The use of <i>Folsomia fimetaria</i> and <i>Drosophila melanogaster</i> as test insects for the detection of insecticide residues. | 13566 |
| The circadian flight activity of the mosquito <i>Anopheles gambiae</i> : phase setting by the light regime. | 13068 | DROSOPHILA SIMULANS Studies on natural populations. VI. competition between <i>Drosophila melanogaster</i> and <i>Drosophila simulans</i> . | 13034 |
| Uptake, distribution, and metabolism of monuron and dinuron by several plants. | 13568 | DBDG THERAPY Isoniazid toxicosis in ducklings: studies on pyridoxine, niacin, glutamic acid, and arginine supplementation. | 13412 |
| Distemper immunisation. | 13418 | The feeding of griseofulvin in treatment of trichophytosis (ringworm) in chinchillas. | 13468 |
| A rapidly growing fibrosarcoma in a four-month old retriever puppy. | 13438 | DBDGS Russian drug index. ed. 2. RS91 .J3. | 13638 |
| Acuaria spirales (dispharynx-nasuta) in a dog. | 13472 | Antibiotic product and process of producing same. patent 3,328,248. | 13658 |
| Metabolism of 2-chloro-1-(2,4,5-trichlorophenyl)vinyl dimethyl phosphate in the dog and rat. | 13575 | Pharmaceutical compositions and methods utilizing 2-aminoadamantane and its derivatives. patent 3,328,251. | 13671 |
| Anatomopathological study of lesions caused by intramuscular injection of hydrochloride and phosphate complex of tetracycline. | 13582 | DRY ROT (POTATOES) The <i>Phoma</i> organisms causing gangrene of potatoes. | 13212 |

SUBJECT INDEX

ENVIRONMENT

| | | | |
|---|-------|--|-------|
| DUCKS | | ELECTRON MICROSCOPY | |
| Isoniazid toxicosis in ducklings; studies on pyridoxine, niacin, glutaric acid, and arginine supplementation. | 13412 | Electron microscopy of plant viruses; bibliography 1939-1965. | 13213 |
| Comparative titration of eastern encephalitis virus in cell suspension and in cultures of duck embryo fibroblasts. | 13423 | Electron microscopic observations on haustoria isolated from cucumber leaves infected with powdery mildew. | 13223 |
| Indirect hemagglutination with duck hepatitis virus. | 13455 | Electron microscopy of a plant-parasitic nematode, <i>Pratylenchus penetrans</i> . (abstract). | 13385 |
| DWARF DISEASE (RICE) | | ELECTRONS | |
| Some properties of the double-standard RNA of rice dwarf virus. in: Mirocha, C. J., and Uritani, I., ed. the dynamic role of molecular constituents in plant-parasite interaction. proceedings, conference held May 15-21, 1966, Gamagori, Japan. SB611.C6. | 13276 | The effect of 4-hydroxy-3,5-diiodobenzonitrile (ioxynil) on respiratory electron transport in <i>Vicia faba</i> L. | 13400 |
| DYES | | ELECTROPHORESIS | |
| Analysis of spray deposits on cards dyed with Sudan Black BR: their preparation and use. | 13702 | The nature of haemolymph proteins in relation to the ovarian cycle in the viviparous cockroach, <i>Nauphoeta cinerea</i> . | 13002 |
| DYSDEBCUS FASCIATUS | | Changes in electrophoretic properties of haemolymph and terminal oocyte proteins during vitellogenesis in the American cockroach. | 13100 |
| The distribution and localization of digestive enzymes in the alimentary canal and salivary glands of the cotton stainer, <i>Dysdercus fasciatus</i> . | 13072 | Disk electrophoresis of body fluids in cattle with eosinophilic myositis. | 13456 |
| EARIAS INSULANA | | Proteins and catalase isoenzymes from <i>Fusarium solani</i> and their taxonomic significance. | 13617 |
| The susceptibility of four varieties of okra, <i>Hibiscus esculentus</i> L, to cotton hollworms infestation (Lepidoptera: Acontiidae and Gelechiidae). | 13368 | EMULSIONS | |
| ECHINOCOCCUS GRANULOSUS | | The pick-up and penetration of ultra-low-volume and emulsifiable concentrate malathion formulations by tobacco budworm larvae. | 13301 |
| Further analysis of the factors controlling strobilization, differentiation, and maturation of <i>Echinococcus granulosus</i> in vitro. | 13482 | A preventive holl weevil control program applied to a ten-square-mile area within an untreated county. | 13354 |
| ECOLOGY | | Effect of environmental and biological factors on persistence of malathion applied as ultra-low-volume or emulsifiable concentrate to cotton plants. | 13607 |
| Ecology of plant pathogens in scil. VII. mathematical models and inoculum density. | 13205 | ENCEPHALITIS | |
| Nature of agrochocenosis and significance to integrated control. in: FAO symposium on integrated pest control, Rome, 1965. proceedings. SB951. P62. | 13306 | Comparative titration of eastern encephalitis virus in cell suspension and in cultures of duck embryo fibroblasts. | 13423 |
| Importance of an interdisciplinary approach. in: FAO symposium on integrated pest control, Rome, 1965. proceedings. SB951. P62. | 13327 | ENCLOSURES | |
| Predatory and energetic relations of woodpeckers to the Engelmann spruce beetle. SB996 .W6K6. | 13342 | Travel of nitrogen in soils. | 13516 |
| Distribution of heptachlor residues in pond ecosystems in southwestern Virginia. | 13572 | ENCYRTIDAE | |
| Dynamics of organochlorine insecticides in vertebrates and ecosystems. | 13593 | Research of Hymenoptera Chalcidoidea. VI. genera and species new to the Italian entomofauna (Encyrtidae, Aphelinidae, Mymarommatidae). | 12996 |
| ECONOMICS | | ENDOCRINE GLANDS | |
| II. brucellosis in Britain--The problem: Control: Eradication. | 13448 | Sexual difference in the activity of the pars intercerebralis--corpus cardiacum--corpus allatum system of <i>Bombyx mori</i> . | 13045 |
| Pest control's 7th annual industry economic forecast fast track for '68. | 13704 | ENDOSULFAN | |
| EDUCATION | | The influence of a sub-acute infection of polyhedrosis virus in the cabbage looper on susceptibility to chemical insecticides. | 13047 |
| Florida chemical communication pilot project. | 13707 | ENDOTOXINS | |
| EGGPLANT | | Endotoxin studies in chicks. | 13460 |
| External morphology and life-history of the egg-plant stem borer, <i>Euzophora csesatella</i> Treit. (Lepidoptera: Pyralidae). | 13329 | ENDRIN | |
| EGGS | | The influence of a sub-acute infection of polyhedrosis virus in the cabbage looper on susceptibility to chemical insecticides. | 13047 |
| Cleaning experiment on respiratory mycoplasmosis in breeding chickens with chlortetracycline. | 13465 | Effect of endrin and trichlorfon applied in artificial diet against larvae of sugar-cane borer <i>Diatraea saccharalis</i> (F.) (Lep., Pyralidae). | 13049 |
| ELATREIDAE | | Development of resistance by the tobacco hndworm to endrin and carharyl. | 13296 |
| Phytotoxicity and wireworm-control efficacy of insecticidal dressings applied to cereal seed up to a year before planting. | 13310 | Anaerobic degradation of selected chlorinated hydrocarbon pesticides. | 13513 |
| ELECTRIC FIELDS | | ENVIRONMENT | |
| Insect control with high frequency electric fields. | 13499 | Secretary Freeman announces pesticide decontamination program. | 13511 |
| ELECTRON CAPTURE | | Unintentional biological effects of pesticide application. (Summary). in: FAO symposium on integrated pest control, Rome, 1965. Proceedings. SB951. P62. | 13547 |
| Determination of the herbicide Tordon (4-amino-3,5,6-trichloropicolinic acid) in soil by electron capture gas chromatography. | 13517 | | |
| Nickel-63 foil in a standard concentric cell for electron-capture detection. | 13691 | | |

SUBJECT INDEX

ENZYMES

ENZYMES

- The distribution and localization of digestive enzymes in the alimentary canal and salivary glands of the cotton stainer, *Dysdercus fasciatus*. 13072
- The wild type phenocopy of the rosy mutant of *Drosophila melanogaster* and its relation to xanthine dehydrogenase activity). 13120
- Structure, fatigue, and enzyme activities in 'fast' insect muscles. 13123
- Alteration of cell wall components during pathogenesis by *Rhizoctonia solani*. in: Mirocha, C. J., and Uritani, I., ed. the dynamic role of molecular constituents in plant-parasite interaction. proceedings, conference held May 15-21, 1966, Gamaagori, Japan. SB611.C6. 13208
- Differential resistance of cell walls of *Acer pseudo-platanus*, *Friticus vulgare*, *Hordeum vulgare*, and *Zea mays* to polysaccharide-degrading enzymes. 13247
- Role of parasite enzyme and toxins in development of characteristic symptoms in plant disease. in: Mirocha, C. J., and Uritani, I., ed. the dynamic role of molecular constituents in plant-parasite interaction. proceedings, conference held May 15-21, 1966, Gamaagori, Japan. SB611.C6. 13255
- Influence of host-parasite interactions on proteins enzymes, and resistance. in: Mirocha, C. J., and Uritani, I., ed. the dynamic role of molecular constituents in plant-parasite interaction. proceeding, conference held May 15-21, 1966, Gamaagori Japan. SB611.C6. 13274
- The relation of metabolic changes in infected plants to changes in enzymatic activity. in: Mirocha, C. J., and Uritani, I., ed. the dynamic role of molecular constituents in plant-parasite interaction. proceedings, conference held May 15-21, 1966. SB611.C6. 13282
- Influence of physicochemical properties on biodegradability of phenylcarbamate herbicides. 13549
- DDT-INDUCED metabolic changes in rat liver. 13595
- Studies on the regulation of cellulase activity and growth in excized pea epicotyl sections. 13615
- Degradation of aromatic amino acids by fungi. II. purification and properties of phenylalanine ammonia-lyase from *Ustilago hordei*. 13628
- EOSINOPHILIC MYOSITIS
Disk electrophoresis of body fluids in cattle with eosinophilic myositis. 13456
- EPIDEMIC HEMORRHAGIC FEVER
Aedes aegypti and haemorrhagic fever. 13178
- EPILACHMA VARIVESTIS
Azobenzene carbamates as insecticides. 13069
- EPITHELIUM
Influence of certain exoacids on development of the epidermis and the foliar stomatic apparatus of their hosts. 13224
- EPITHRIX TUBERIS
Resistance to organochlorine insecticides in the tuber flea beetle, *Epithrix tuberis* Gent (Coleoptera: Chrysomelidae), in British Columbia. 13304
- EPIZOOTIC DISEASES
The use of salmonella vaccine in outbreaks of salmonellosis in sheep. 13410
- EQUINE INFLUENZA
Diagnosis and prevention of equine respiratory diseases. 13446
- EQUINE BRONCHOPNEUMONITIS
Diagnosis and prevention of equine respiratory diseases. 13446
- EQUIPMENT
A foot-controlled device using carbon dioxide for the anesthetization of insects. 13690
- A flail machine for destroying fallen cotton squares infested with boll weevils. 13693
- A versatile, highly sensitive activity recorder for insects. 13696
- A pressure paint tank modified for use as a dispenser for insect diets. 13699
- ERADICATION
Training aspects of the United States sponsored *Aedes aegypti* and malaria eradication programs. 13706
- ERIOISCHIA BRASSICAE
Formation of sexuparae in the aphid, *Eriosoma pyricola*, on pear roots. 13122
- ERIOSOMA PYRICOLA
Formation of sexuparae in the aphid, *Eriosoma pyricola*, on pear roots. 13122
- ERWINIA BURBIPACIENS
Bacterial phloem canker, a new disease of Persian walnut trees. 13290
- ESCHERICHIA COLI
Endotoxin studies in chicks. 13460
- ESTERS
Anisic acid esters as knockdown agents. 1300E
- ETHANOLAMINE
The calcium-stimulated incorporation of ethanolamine and serine into the phospholipids of the housefly *Musca domestica*. 13026
- ETHYL ACETATE
The egg-laying habits of *Aedes aegypti* (Linnaeus) in central Texas. 13165
- ETHYL ETHER
Inheritance of ether resistance in *Drosophila melanogaster*. 13152
- ETHYL PARATHION
Translocation of insecticides from soils into pea plants effects of the detergent LAS on translocation and plant growth. 13553
- Low volume spraying superior, less expensive for planes in Bakersfield, California, district. 13695
- ETHYLENE
Process for plant defoliation. patent 3,359,092. 13614
- ETHYLENE DIBROMIDE
Effect of ethylene dibromide fumigated feed on animals. SF97.B6. 13579
- ETHYLENE OXIDE
Ethylene oxide against the greater wax moth. 13082
- EULOPIRIDAE
Research of Hymenoptera Chalcidoidea. VI. genera and species new to the Italian entomofauna (Encyrtidae, Aphelinidae, Mymaromidae). 12996
- EUZOPHERA OSSEATELLA
External morphology and life-history of the egg-plant stem borer, *Euzophora osseatella* Treit. (Lepidoptera: Pyralidae). 13329
- EVALUATION
Field evaluation of Temik against some insects and mites attacking citrus. 13305
- Systemic insecticides evaluated for two-spotted mite control on greenhouse cucumbers. 13348
- Variable-dosage-plot trials with various foliage-applied herbicides on annual weeds under Arabica Coffee in 1965-1966. 13393
- Screening trial of pre-emergence herbicides in dwarf beans, 1964. 13395
- EVOLUTION
Evolution of xanthine dehydrogenase in *Drosophila*. 13036

SDRJECT INDEX

| | | | FERTILITY |
|--|-------|--|-----------|
| EXCRETA | | | |
| Cortisol and growth in insects. | 13093 | Fasciola hepatica egg-counts in cattle. | 13475 |
| Metabolism and excretion of an insecticide (6-chloro-3,4-dimethylphenyl N-methylcarbamate) in the rat. | 13578 | The interpretation of faecal egg-counts. v. a further note on single and multiple sampling in the detection of parasitic infections. | 13476 |
| Absorption, metabolism, and excretion of tritium-labeled famphur in the sheep and calf. | 13583 | Metabolism of radioactive cesium (134Cs and 137Cs) and potassium by dairy cattle as influenced by high and low forage diets. | 13548 |
| Distribution and excretion of dicamba by rats as determined by radctracer technique. | 13599 | Metabolism of C-14-endothall in rats. | 13597 |
| EXPERIMENTAL DESIGN | | FEED ADDITIVES | |
| The balanced lattice as an experimental design for testing large numbers of plants for feeding preferences of white-fringed beetles. | 13338 | Feeder lamb response to cortisone acetate and diethylstilbestrol. | 13420 |
| EXPERIMENTAL INSECTS | | The feeding of griseofulvin in treatment of trichophytosis (ringworm) in chinchillas. | 13468 |
| Anisic acid esters as knockdown agents. | 13008 | FEED CONTAMINATION | |
| The establishment of reference and marker strains and their shipment. | 13104 | Problems with DDT in fish culture operations. | 13536 |
| The need for standard and other strains of Aedes aegypti for research. | 13124 | Metabolism of radioactive cesium (134Cs and 137Cs) and potassium by dairy cattle as influenced by high and low forage diets. | 13548 |
| Grasshoppers. in: Smith, C. n. insect colonization and mass production. GL497.St. | 13316 | Effect of ethylene dibromide fumigated feed on animals. SP97.B6. | 13579 |
| Flucroglide as a barrier to contain nonflying insects in glass containers. | 13703 | FEED GRAINS | |
| EXTRACTION | | Taste preferences in rodenticide development. | 13635 |
| Note on the effect of sample moisture content on extraction of IDE from kale. | 13533 | FEED SUPPLEMENTS | |
| New extraction system for residue analyses. | 13565 | Egg production of house-fly, adults fed human blood containing various supplements. | 13163 |
| EXTRACTS | | Isoniazid toxicosis in ducklings; studies on pyridoxine, niacin, glutamic acid, and arginine supplementation. | 13412 |
| Non-specificity of the male factor enhancing egg-laying in Diptera. | 13079 | FEEDING | |
| FAMPHUR | | Some consequences of copulation in Rhodnius prolixus. | 13029 |
| Gas chromatographic determination of famphur and its oxygen analog residues in bovine milk, blood, and edible tissues. | 13562 | Feeding behaviour. | 13033 |
| Absorption, metabolism, and excretion of tritium-labeled famphur in the sheep and calf. | 13583 | Feeding stimuli and artificial feeding. | 13046 |
| FANNIA CANICULARIS | | Normal differential counts of haemocytes in relation to ecdysis and feeding in Rhodnius. | 13066 |
| Predation by Fusculopoda vegetans (Acarina: Drogozidae) and Macrocheles muscaedomesticae (Acarina: Macrochelidae) on the eggs of the little house fly, Fannia canicularis. | 12975 | The balanced lattice as an experimental design for testing large numbers of plants for feeding preferences of white-fringed beetles. | 13338 |
| FASCICLA EFFATICA | | FELINE INFECTIONS ENTERITIS | |
| The interpretation of faecal egg-counts. iv. the influence of faecal consistency and dry matter content on Fascicla hepatica egg-counts in cattle. | 13475 | Feline panleucopaenia virus. in vitro comparison of strains with a mink enteriitis virus. | 13424 |
| The interpretation of faecal egg-counts. v. a further note on single and multiple sampling in the detection of parasitic infections. | 13476 | FENTHION | |
| FAT BCDY | | Evaluation of insecticides against four species of adult mosquitoes in the Panama Canal Zone, 1967. | 13157 |
| Non-dependence of the saturation of depot fat on temperature and photoperiod in a hibernating mosquito. | 13050 | ULV aerial insecticide application for adult mosquito control. | 13166 |
| FATIGDE (PHYSIOLOGICAL) | | Ultra-low volume and conventional aerial sprays for control of adult salt-marsh mosquitoes, Aedes sollicitans (Walker) and Aedes taeniorhynchus (Wiedemann), in Florida. | 13174 |
| Structure, fatigue, and enzyme activities in 'fast' insect muscles. | 13123 | Control of mosquito adults and larvae with ultra-low volume aerial applications of Baygon and Baygon-Baytex mixture. | 13188 |
| FATTY ACIDS | | FERTILITY | |
| Fatty acid composition of the silkworm, Bombyx mori L. | 13095 | Fertilization in the two-spotted spider mite (Tetranychus urticae: Acari). | 13003 |
| Fatty acid composition of the diet and larvae and biosynthesis of fatty acids from 14C-acetate in the cabbage looper, Trichoplusia ni. | 13098 | The comparative effects of vitamin deficiency on development and on adult fecundity of Tribolium castaneum. | 13005 |
| The relationship of the fatty acid composition of Heliothis zea larvae to that of its diet. | 13117 | Factors affecting adult survival and fecundity in Lasioderma serricorne (F.) (Coleoptera, Anobiidae). | 13081 |
| PECES | | Egg production of house-fly, adults fed human blood containing various supplements. | 13163 |
| Effect of food plants on colour, structure and size of faecal pellets of the desert locust, Schistocerca gregaria Forsk. | 13012 | Host range of larvae of the northern corn rootworm (Coleoptera: Chrysomelidae). | 13309 |
| The interpretation of faecal egg-counts. iv. the influence of faecal consistency and dry matter content on | | | |

SUBJECT INDEX

FERTILIZATION (PLANTS)

FERTILIZATION (PLANTS)

Effects of nitrogen fertilization on cotton under boll weevil attack in North Carolina. 13352

FIBROSARCOMA

A rapidly growing fibrosarcoma in a four-month old retriever puppy. 13438

FIELD CROPS

Lygus bugs. in: Smith, G. R. insect colonization and mass production. GL497.56. 13307

Insects of the season 1966 related to fruit, vegetables and ornamentals. 13325

The selective advantage accruing to lygus bugs that cause blighting of floral parts. 13373

Economically important nematodes in Ontario, 1966.. 13391

FILARIASIS

On the role of Japanese mosquitoes especially of Culex pipiens pallens in the transmission of Bancroftian filariasis. in: Progress of medical parasitology in Japan, vol. 3. K. Morishita, Y. Komiya, and H. Matsuhayashi, editors. 423 M823. 13176

FILTERS

A buried membrane filter method for studying behavior of soil fungi. 13198

FISH

Survival and outgrowth of Clostridium botulinum type E spores in smoked fish. 13504

Problems with DDT in fish culture operations. 13536

Effects of pesticides on osmoregulatory ability of estuarine fauna. 13600

Retention of vaporized lindane by plants and animals. 13602

FLAVONOIDS

Toxicity of some goldenrods. 13605

FLORISIL FB

The new florisil: a statistical evaluation for chlorinated pesticides. 13633

FLUORESCENCE

Preparations of aflatoxins and determination of their ultraviolet and fluorescence characteristics. 13488

FLUORESCENT ANTIBODY TECHNIC

Use of immunofluorescence and animal tests to detect growth and toxin production by Clostridium botulinum type E in food. 13507

FLUOROCARBON RESINS

Fluorocglide as a barrier to contain nonflying insects in glass containers. 13703

FLUORESCIMETRY

Spectrophotofluorometric determination of 6-methoxy-2-benzoxazolinone, an indicator of resistance to European corn borer in Zea mays. 13308

FOLSOMIA FIMETARIA

The use of Folsomia fimetaria and Drosophila melanogaster as test insects for the detection of insecticide residues. 13566

FOOD

Some observations on the probable damage caused by rats in Bombay. 13501

FOOD ADDITIVES

Biochemical toxicology. 13604

FOOD ANALYSIS

Use of immunofluorescence and animal tests to detect growth and toxin production by Clostridium botulinum type E in food. 13507

Detection of botulinum toxins by immunodiffusion. 13508

Ascending paper chromatography: A way to do it. 13646

FOOD CONTAMINATION

Salmonellae associated with further-processed turkey products. 13503

Survival and outgrowth of Clostridium botulinum type E spores in smoked fish. 13504

Improved medium for sporulation of Clostridium perfringens. 13505

Use of immunofluorescence and animal tests to detect growth and toxin production by Clostridium botulinum type E in food. 13507

Detection of botulinum toxins by immunodiffusion. 13508

The joint FAO/WHO programme on the toxicity of pesticide residues in food. in: Radioisotopes in the detection of pesticide residues; proceedings of a panel Vienna 12-16 April 1965. SB953.P32. 13523

Method of activation analysis for mercury in the biosphere and in foods. An addendum. in: Radioisotopes in the detection of pesticide residues; proceedings of a panel Vienna, 12-16 1965. SB953.P32. 13534

A survey of organic chloride impurities in food grade hydrochloric acid. 13537

A report on residues in food. 13538

Additional cleanup of samples on GLC column for TLC determination of pesticide residues. 13545

Unintentional biological effects of pesticide application. (Summary). in: FAO symposium on integrated pest control, Rome, 1965. Proceedings. SB951. P62. 13547

Chloranil. in: Zweig, Analytical methods for pesticides, plant growth regulators, and food additives. vol. iii. fungicides, nematocides. and soil fumigants, rodenticides, and food and feed additives. 395 29. 13552

Problems in WHO on pesticide residues. in: Radioisotopes in the detection of pesticide residues; proceedings of a panel Vienna 12-16 April 1965. SB953.P32. 13570

Ascending paper chromatography: A way to do it. 13646

FOOD MOISTURE

Note on the effect of sample moisture content on extraction of TDE from kale. 13533

FOOD PLANTS

Further records of New Jersey aphids (Homoptera: Aphididae). 12968

Effect of food plants on colour, structure and size of faecal pellets of the desert locust, Schistocerca gregaria Forsk. 13012

Food plants of Japanese Symphyta. i. 13101

Factors affecting transmission of tristeza virus by melon aphids. 13254

Host range of larvae of the northern corn rootworm (Coleoptera: Chrysomelidae). 13309

Host-plant preference of the alfalfa weevil in the field. 13312

The balanced lattice as an experimental design for testing large numbers of plants for feeding preferences of white-fringed beetles. 13338

Newly recognized hosts of the oriental fruit fly, melon fly, and Mediterranean fruit fly. 13355

New host records for North American fruit flies (Diptera: Tephritidae). 13357

Morphological-biological report of the cabbage maggot "Hylemia brassicae (Ech.)" and experiments in chemical control. 13360

Status of the cereal leaf beetle, Oulema melanopus (L.) Coleoptera: Chrysomelidae in North America. 13379

SUBJECT INDEX

FUNGUS DISEASES (PLANTS)

| | | | |
|--|-------|---|-------|
| FOOD SPECIAGE How fungi attack material. | 13485 | FREIGHT TRANSPORTATION The establishment of reference and marker strains and their shipment. | 13104 |
| FOOD SUPPLY Food and health - the safe use of pesticides. | 13577 | FRUIT Insects of the season 1966 related to fruit, vegetables and ornamentals. | 13325 |
| FORAGE PLANTS Influence of sprinkler irrigation and four forage crops on populations of soil microorganisms including those antagonistic to <i>Sclerotinia rolfii</i> Sacc. | 13222 | Bioassay of insecticides for control of <i>Drosophila melanogaster</i> . | 13369 |
| Evaluation of regrowth potential of perennial forage crops using triphenyltetrazolinum chloride. | 13631 | Economically important nematodes in Ontario, 1966.. | 13391 |
| FOREST INSECTS Soil fauna research in the forest of Maures (Var). description of a new species of <i>Leptotyphlus</i> Fauv. (Col. Staphylinidae). | 12956 | Treatment of fruits and the like to inhibit decay. patent 3,347,683. | 13486 |
| Tanglefoot traps for detection of the balsam woolly aphid. | 13076 | Rapid method for surface residues of organophosphorus pesticides by total phosphorus. | 13531 |
| <i>Ips</i> bark beetle attacks and brood development on a lightning-struck pine in relation to its physiological decline. | 13298 | FUMIGANTS Factors affecting the resistance of insect eggs to sulphuryl fluoride. i. the uptake of sulphuryl-35S fluoride by insect eggs. | 13103 |
| Simulated Nantucket pine tip moth attacks reduce root development of shortleaf pine seedlings. | 13317 | New findings about fumigant and atmospheric gases in the control of insects and molds in grain. | 13483 |
| The European pine shoot moth, <i>Bhaciania buoliana</i> (Lepidoptera: Olethreutidae), another introduced forest pest. | 13332 | FUMIGATION Ethylene oxide against the greater wax moth. | 13082 |
| Predatory and energetic relations of woodpeckers to the Engelmann spruce beetle. SE996.W6K6. | 13342 | Effect of ethylene dibromide fumigated feed on animals. SP97.R6. | 13579 |
| The importance of insects to the spreading of oak wilt. | 13350 | FUNGICIDE RESIDUES Gas chromatographic determination of captan residues. | 13550 |
| Important forest insects of Ontario in 1966. | 13365 | Determination of terrachlor in crops and soil by electron-capture gas chromatography. | 13558 |
| The larch sawfly in the northern transitional forest of central Canada. | 13375 | Determination of residues of chloroneb and a metabolite by microcolumnometric gas chromatography. | 13654 |
| Notes on <i>Gnathotrichus materiarius</i> (Col. Scolytidae), a timber beetle new to the Netherlands. | 13493 | FUNGICIDES Influence of substances and soil treatments on the germination of spores of <i>Cochliobolus sativus</i> . | 13219 |
| FOREST REGENERATION (ARTIFICIAL) Diseases in forest plantations: thief of time. | 13209 | Experiments on controlling strawberry botrytis rot by spraying. SR953.M6. | 13251 |
| FORESTRY Aircraft in the agriculture and forestry of Communist China. | 13701 | Antifungal antibiotic and method of producing same. patent 3,350,726. | 13435 |
| FORMALDEHYDE Reactions of peach trees and peach tree viruses to treatment with dimethyl sulfide and other chemicals. | 13262 | Pentachloronitrobenzene residues in potatoes. | 13543 |
| FORMAMIDO-1-NAPHTHYL N-METHYL CARBAMATE, 5- Method for combating insects with 5-formamido-1-naphthyl N-methylcarbamate. patent 3,323,989. | 13652 | Chloranil. in: Zweig, Analytical methods for pesticides, plant growth regulators, and food additives. vol. iii. fungicides, nematocides, and soil fumigants, rodenticides, and food and feed additives. 395 Z9. | 13552 |
| FORMICIDAE A completely defined synthetic diet for ants (Hym., Formicidae). | 13038 | Fungicidal n-substituted derivatives of halogenated. salicylideneimines. patent 3,357,883. | 13656 |
| Ants from close up. QL568.F7N4. | 13099 | Insecticidal and fungicidal usage of beta-arylamino cinnamoyl compounds. patent 3,355,351. | 13659 |
| FORMULATIONS The pick-up and penetration of ultra-low-volume and emulsifiable concentrate malathion formulations by tobacco budworm larvae. | 13301 | Thiol-phosphoric acid esters fungitoxic agents. patent 3,357,882. | 13668 |
| Effect of environmental and biological factors on persistence of malathion applied as ultra-low-volume or emulsifiable concentrate to cotton plants. | 13607 | Fungicidal compositions and methods. patent 3,345,258. | 13670 |
| Pesticidal wettable powder formulation. patent 3,342,581. | 13686 | Phosphorus containing pesticidal composition and method of use. patent 3,336,188. | 13676 |
| Method for combating microorganisms with an alkyl substituted oxazoline. patent 3,366,537. | 13687 | Process for controlling fungi with anthraquinone derivatives. patent 3,326,750. | 13678 |
| FREE RADICAL SYSTEMS Anticible decomposition by free radical-generating systems and by soils. | 13657 | Method of controlling microbes by means of tetrahalocyclopentadienyldiamines. patent 3,341,405. | 13680 |
| | | Method and composition for controlling fungi. patent 3,323,984. | 13685 |
| | | FUNGUS DISEASES (PLANTS) Changes in cytoplasm and cell wall material; an anatomical approach to the mechanism of fungal infections in plants. in: Mirocha, C. J., and Uritani, I., ed. the dynamic role of molecular constituents in plant-parasite interaction. proceedings, conference held May 15-21, 1966, Gama-gori, Japan. SR611.C6. | 13200 |

SUBJECT INDEX

FUSARIUM

The effect of *Gibberella zeae* on the permeability of potato tuber tissue. 13202

The *Phoma* organisms causing gangrene of potatoes. 13212

Cryogenic storage of conidia of *Peronospora tabacina*. (abstract). 13214

Effects of three soil-inhabiting fungi on axenic peanut plants. (abstract). 13216

Influence of copper and zinc on the incidence of potato scab. 13217

Natural enemies of rust fungi in the tropics. (abstract). 13221

Electron microscopic observations on haustoria isolated from cucumber leaves infected with powdery mildew. 13223

Influence of certain exoacids on development of the epidermis and the foliar stomatic apparatus of their hosts. 13224

Micro-organisms in the root region of wheat. literature review. 13231

Effect of *Puccinia recondita* infection on the RNA composition of wheat leaves. 13239

Cercospora leaf fleck disease of beets. 13241

Influence of potassium chloride on the interrelationship of fungi and a nematode in alfalfa roots. (abstract). 13242

Effect of calcium nutrition on black shank of tobacco. (abstract). 13250

How plants fight disease. 13252

A quantitative assay method for observing and enumerating propagules of root-infecting fungi. (abstract). 13258

Note on the effect of N, P, and K in several Alberta soils on the resistance of gateway barley to the net blotch disease. 13261

Evaluation of the relative importance of soil and seed as source of the inoculum of silver scurf of potatoes by means of a regression test. 13270

Influence of light intensity on the reactions of wheat and barley seedlings to *Puccinia striiformis*. 13275

Biochemical response of plants to toxins produced by the rice blast fungus. in: Mirocha, C. J., and Uritani, I., ed. the dynamic role of molecular constituents in plant-parasite interaction. proceedings, conference held May 15-21, 1966, Gwangju, Japan. SR611.c6. 13278

Fraser cats. 13279

Black-pod disease of *Theobroma cacao*. (Abstract). 13280

Studies on the biology of *Botrytis allii* on *Allium cepa*. 13281

The occurrence of acid hydrolyzable phenolics in relation to *Fusarium* wilt disease in tomato plants. 13283

Studies on *Botrytis cinerea* in tomatoes influence of methods of deleafing on the occurrence of stem lesions. 13284

Isolation, incidence, and virulence of *Ascochyta* spp. of peas from the soil. 13285

Influence of some environmental factors on the susceptibility of *Fisus sativus* to *Botrytis cinerea*. 13289

Black spot of rose (*Marssonina rosae* Lib.). 13291

An inhibitory effect of light on the infection by brown leaf rust of wheat. 13292

On heat treatment of *Chrysomya moriofolia* against *Puccinia heliana*. 13293

Helminthosporium oryzae Breda de Haan, brown spot of rice. 13294

Genetics of resistance to leaf rust in the common wheat varieties Webster, Loros, Erevit, Carina, Malakof, and Centenario. 13319

Importance of an interdisciplinary approach. in: FAO symposium on integrated pest control, Rome, 1965. proceedings. SR951. P62. 13327

Inheritance of virulence in wheat leaf rust on the standard differential wheat varieties. 13367

Biosynthesis of nicotinic acid by *Fusarium oxysporum* Schlecht. 13612

Degradation of aromatic amino acids by fungi. II. purification and properties of phenylalanine ammonia-lyase from *Ustilago hordei*. 13628

FUSARIUM
Influence of potassium chloride on the interrelationship of fungi and a nematode in alfalfa roots. (abstract). 13242

A quantitative assay method for observing and enumerating propagules of root-infecting fungi. (abstract). 13258

Incidence in the culture of oil palm of *Fusarium* populations in the soil of the savanna in the lower Ivory Coast. 13267

The occurrence of acid hydrolyzable phenolics in relation to *Fusarium* wilt disease in tomato plants. 13283

FUSARIUM OXYSPORUM
Biosynthesis of nicotinic acid by *Fusarium oxysporum* Schlecht. 13612

FUSARIUM SOLANI
Proteins and catalase isoenzymes from *Fusarium solani* and their taxonomic significance. 13617

FUSCUIPODA VEGETANS
Predation by *Fusculopoda vegetans* (Acarina: Uropodidae) and *Macrocheles muscaedomesticae* (Acarina: Macrochelidae) on the eggs of the little house fly, *Fannia canicularis*. 12975

GALLEBIA MELLONELLA
Ethylene oxide against the greater wax moth. 13082

GAMBELIA
Preliminary descriptions of new Attacidae from South America (Lep.) (concl.). 12967

GAMMA RAYS
Induced mutation by gamma ray and neutron in tassah silkworm *Antheraea pernyi*. 13105

Effect of gamma irradiation on female *Culex pipiens quinquefasciatus*. 13125

Inherited partial sterility among survivors from irradiation-eradication experiment. 13154

Effectiveness of gamma irradiation for control of five species of stored-product insects. 13500

Sterilization of barley malt with gamma radiation. 13506

GAS GANGRENE
Production of gas gangrene serum in general and of polyvalent gas gangrene-aphylactic-serum of horse by using simultaneous immunization methods with four known gas gangrene types in one. 13409

GASTROPHILUS INTESTINALIS
In vitro hatching of *Gastrophilus intestinalis* larvae. 13009

GENES
Persistence of lethal genes associated with SU in natural populations of *Drosophila melanogaster*. 13155

GIRREBELLA ZEAE
The effect of *Gibberella zeae* on the permeability of potato tuber tissue. 13202

GIBBERELLIC ACID
Influence of daylength on auxin production in flower buds of the lowbush blueberry. 13609

SUBJECT INDEX

HARPUROSTREPTUS

- GIBBERELLINS**
Effect of gibberellin on the free auxin content in the period of spike differentiation of barley. 1361B
- GLANDERS**
The relationship between bovine farcy and tuberculosis. 13432
- GLANDS (INSECTS)**
Maxillary glands of some coleopteran larvae. 13130
- GLOSSINA MOROSITANS**
The conversion of glutamate to alanine in the tsetse fly (*Glossina morsitans*). 13017
Experimental evidence for a hormonal control of digestion in the tsetse fly, *Glossina morsitans* Westwood: a study of the larva, pupa, and teneral adult fly. 13077
- GLOSSINA PALPALIS**
Survival and reproduction in a natural population of the tsetse fly, *Glossina palpalis palpalis* (Robinson-Desvoidy). 13116
- GLUTAMATE**
The conversion of glutamate to alanine in the tsetse fly (*Glossina morsitans*). 13017
- GLUTAMIC ACID**
Isoniazid toxicosis in ducklings: studies on pyridoxine, niacin, glutamic acid, and arginine supplementation. 13412
The effects of indoleacetic acid and 2,4-dichlorophenoxyacetic acid on intermediary metabolism of ¹⁴C-labelled organic acids by pea root tips. 13620
- GLUTATHIONE**
Effects of dietary L-METHIONINE on tissue levels of glutathione in hypothyroid chicks. 13427
- GLYCINE**
Nutritive effects of alanine, cystine, glycine, serine, and tyrosine on the silkworm, *Bombyx mori*. 13062
- GLYCYLTYROSINE**
Reactivity of tobacco mosaic virus and its protein toward acetic anhydride. 13228
- GNAOTHOTRICHUS MATERARIUS**
Notes on *Gnathotrichus materiarius* (Col. Scolytidae), a timber beetle new to the Netherlands. 13493
- GOATS**
A trial in goats of an inactivated staphylococcal polyvalent somatic antigen vaccine against mastitis. 13430
II. Brucellosis in Britain--The problem: Control: Eradication. 1344B
- GOOSEBERRIES**
The small berry sawfly (*Eristiphora pallipes* Lep), a lesser known pest of gooseberries. 13229
- GOVERNMENT**
Federal committee on pest control. 13708
- GRAIN**
Effects of aphids on cereal grains at various stages of plant growth. (Abstract). 13364
Status of the cereal leaf beetle, *Oulema melanopus* (L.) Coleoptera: Chrysomellidae in North America. 13379
New findings about fumigant and atmospheric gases in the control of insects and molds in grain. 13483
Biological studies on the Mediterranean flour moth, *Anagasta kuehniella* Zeller (Lepidoptera: Phycitidae). 13496
Metabolism of radioactive cesium (¹³⁴Cs and ¹³⁷Cs) and potassium by dairy cattle as influenced by high and low forage diets. 13548
- GRAPE**
Diseases and parasites of the vine. ed. 3. SB609.67 L3 1966. 13193
- GRAPHOGNATHUS**
The balanced lattice as an experimental design for testing large numbers of plants for feeding preferences of white-fringed beetles. 13338
- GRASSES**
Natural enemies of rust fungi in the tropics. (abstract). 13221
Status of the cereal leaf beetle, *Oulema melanopus* (L.) Coleoptera: Chrysomellidae in North America. 13379
- GRASSHOPPERS**
Insect nutrition - quality and quantity. 13087
Grasshoppers. in: Smith, C. n. insect colonization and mass production. qL497.56. 13316
- GRAY LEAFSPOT**
The *Stemphylium* leaf spot complex on blue lupine. 13287
- GRAZING**
The reaction of calves to helminth infection under natural grazing conditions. II. pathology of terminal disease. 13471
- GREENHOUSE CULTURE**
Yield of glasshouse tomatoes as affected by strains of tobacco mosaic virus. 13266
Systemic insecticides evaluated for two-spotted mite control on greenhouse cucumbers. 13348
- GRISEOFULVIN**
The feeding of griseofulvin in treatment of trichophytosis (ringworm) in chinchillas. 1346B
- GROWTH FACTORS**
Cortisol and growth in insects. 13093
Use of immunofluorescence and animal tests to detect growth and toxin production by *Clostridium botulinum* type E in food. 13507
The effect of various nitrogen sources on growth of *Botryosphaeria ribis* in vitro. (abstract). 13613
- GYNANDROMORPHISM**
Effect of temperature on the degree of intersexuality in *Lymantria dispar* L. 13151
- HABITATS**
Beautiful moths. qL543.863. 12973
Observations on larval habitats and the winter bionomics of some common species of *Culicoides* (Diptera: Ceratopogonidae) in the central Columbian Basin. 12986
Preferred *Aedes aegypti* larval habitats in urban areas. 13023
Laboratory and field investigations of mosquito populations associated with oxidation lagoons in Missouri. 13185
- HARPOCERUS PROBLEMATIcus PALSINFLATUS**
Description of two new subspecies of Carabidae. 12977
- HAEMONCHUS CONTORTUS**
Oxygen influence on egg production by a parasitic nematode. 13478
- HALOCYCLOPENTADIENES**
Pesticidal halocyclopentadiene adducts. patent 3,356,688. 13641
- HALOGENATED ACETONE**
Method and composition for controlling fungi. patent 3,323,984. 13685
- HALOGENATED HYDROCARBONS**
Substituted norbornene herbicides. patent 3,324,147. 13640
Herbicidal composition and method. patent 3,343,938. 13664
- HARPUROSTREPTUS**
On the occurrence and control of *Harpurostreptus* sp. a new millepede pest of cultivated crops in Kerala. 13318

SUBJECT INDEX

HARVESTING EQUIPMENT

HARVESTING EQUIPMENT

A mechanical harvester for collecting larvae of the wheat stem sawfly. 13700

HAY

Metabolism of radioactive cesium (134Cs and 137Cs) and potassium by dairy cattle as influenced by high and low forage diets. 13548

HEAD

A taxonomic separation of larvae of the genus Sitophilus by head capsule morphology (Coleoptera: Curculionidae). 12957

HEAT

Use of lethal temperature in the study of effects of thermal treatments on the development of several primary sexual characters in the triploid intersexed Drosophila melanogaster Meig. 13078

Some effects of thermal acclimation on muscle pyruvate activity and mitochondrial number in Periplaneta americana and Musca domestica. 13138

Heat treatment and meristem culture for the production of virus-free plant material. 13237

On heat treatment of Chrysanthemum morifolium against Puccinia heliana. 13293

HEAVY WATER

Polymerization-depolymerization of tobacco mosaic virus protein. I. effect of D2O. 13240

HELIOTHIS ABMIGEEA

The determination of DDT deposited on cotton plants in an air spray trial in Tanzania. 13286

HELIOTHIS VIRESCENS

Metabolism of 2-methyl-2-(methylthio)propionaldehyde O-(methylcarbamoyl)oxime (Teraik, OC-21149) in insects. 13016

Bearing the tobacco budworm in honeycomb-like cells. 13111

Development of resistance by the tobacco budworm to endrin and cartaryl. 13296

The pick-up and penetration of ultra-low-volume and emulsifiable concentrate malathion formulations by tobacco budworm larvae. 13301

HELIOTHIS ZEA

The relationship of the fatty acid composition of Heliothis zea larvae to that of its diet. 13117

Effects of natural (sorghum) and artificial (wheat germ) diets on development of the corn earworm, fall armyworm, and southwestern corn borer. 13302

Evaluation in the greenhouse of a new insecticide for bollworm control. 13345

A preventive boll weevil control program applied to a ten-square-mile area within an untreated county. 13354

Chlorinated hydrocarbon insecticide residues in selected insects and birds found in association with cotton fields. 13540

HELMINTHIASIS

Summary of recent abstracts. I. helminthiasis. 13467

Some aspects about helminth parasites of Sus domesticus Linnaeus, 1758, from the State of Bahia, Brazil. 13470

The reaction of calves to helminth infection under natural grazing conditions. II. pathology of terminal disease. 13471

Disease agents affecting livestock in British Honduras. I. internal and external parasites. 13473

Information about helminthiasis in sheep derived from records at a veterinary investigation center. 13474

The diagnosis of helminthiasis in horses. 13480

Experimental helminthiasis in parasite-free calves on marshland pastures. 13481

HELMINTHOLOGY

A guide to helminth species described from African vertebrates. GL757.033. 13479

HELMINTHOSPORIDIUM

A quantitative assay method for observing and enumerating propagules of root-infecting fungi. (abstract). 13258

HELMINTHOSPORIDIUM ORYZAE

Helminthosporium oryzae Breda de Haan, brown spot of rice. 13294

HELMINTHS

Further analysis of the factors controlling strobilization, differentiation, and maturation of Echinococcus granulosus in vitro. 13482

HEMAGGLUTINATION

Indirect hemagglutination with duck hepatitis virus. 13455

A survey on antihodies against canine toxoplasma by hemagglutination test and isolation of the organism from dogs. 13461

HEMOLYMPH

Phospholipids in the hemolymph of desert locust, Schistocerca gregaria Forskal. 13089

HEPTACHLOB

Phytotoxicity and wireworm-control efficacy of insecticidal dressings applied to cereal seed up to a year before planting. 13310

Residues of organochlorine insecticides and their metabolites in soils in the Atlantic Provinces of Canada. 13510

Anaerobic degradation of selected chlorinated hydrocarbon pesticides. 13513

Distribution of heptachlor residues in pond ecosystems in southwestern Virginia. 13572

HEPTACHLOB EPOXIDE

Anaerobic degradation of selected chlorinated hydrocarbon pesticides. 13513

HERBICIDE APPLICATION

Techniques used in the application of a 14C labelled herbicide. in: isotopes in weed research; proceedings of a symposium, Vienna, 25-29 October 1965. s589.59. 13610

HERBICIDE RESIDUES

Determination of the herbicide Tordon (4-amino-3,5,6-trichloropicolinic acid) in soil by electron capture gas chromatography. 13517

Metabolism of carbon-14 trifluralin in carrots. 13542

Influence of physicochemical properties on biodegradability of phenylcarbamate herbicides. 13549

Fate of trifluralin in soils and plants. 13563

Uptake, distribution, and metabolism of monuron and diuron by several plants. 13568

Adsorption of bipyridylum herbicides in soil. 13571

Report on herbicides and plant growth regulators. 13573

Metabolism of C-14-endosulfan in rats. 13597

Distribution and excretion of dicamba by rats as determined by radiotracer technique. 13599

Gas chromatographic measurement of disappearance rates of 2,4-D and 2,4,5-T acids and 2,4-D esters in mice. 13606

HERBICIDES

Weed control handbook. ed.4 79 h77. 13392

Variable-dosage-plct trials with various foliage-applied herbicides on annual weeds under Arabica Coffee in 1965-1966. 13393

Weed control in the tropics. 13394

Screening trial of pre-emergence herbicides in dwarf beans, 1964. 13395

SUBJECT INDEX

HOST INDEXING (PLANTS)

| | | | |
|--|-------|--|-------|
| Handling plants for macro-autoradiography, in: isotopes in weed research; proceedings of a symposium Vienna 25-29 October 1965. s585.S9. | 13397 | Development of 11 isolates of Heterodera glycines on six legumes. (abstract). | 13388 |
| Seminar session on current problems in weed research and possible application of nuclear techniques. in: Isotopes in weed research; proceedings of a symposium Vienna 25-29 October 1965. s585.S9. | 13398 | The effect of various factors on larval emergence from cysts of Heterodera glycines. | 13390 |
| Method for the control of undesirable vegetation. patent 3,330,640. | 13399 | HETERODERA TRIFOLII | |
| Method for the control of undesirable plant life. patent 3,356,484. | 13401 | Response of Heterodera trifolii in red clover roots to Azaracil and other inhibitors. | 13382 |
| Method for pre-emergence control of undesirable plant life. patent 3,350,192. | 13402 | HEXADECENOIC ACID, CIS-9- | |
| Method for inhibiting growth of undesirable plants. patent 3,334,950. | 13403 | The relationship of the fatty acid composition of Heliothis zea larvae to that of its diet. | 13117 |
| Recent research on the fate of herbicides in crop plants. in: isotopes in weed research; proceedings of a symposium Vienna 25-29 October 1965. s589.S9. | 13404 | HIbernATION | |
| Herbicide composition and method. patent 3,355,278. | 13405 | Non-dependence of the saturation of depot fat on temperature and photoperiod in a hibernating mosquito. | 13050 |
| Herbicide composition and method= patent 3,330,641. | 13406 | Ips plastographus (Coleoptera: Scolytidae) tunnelling in sapwood of lodgepole pine in California. | 13344 |
| Use of 74AS-tagged sodium arsenite in a study of effects of a herbicide on pond ecology. in: Isotopes in weed research; proceedings of a symposium Vienna, 25-29 October 1966. s585.S9. | 13509 | Hibernation of the plum curculio and its spring migration to host trees. | 13370 |
| Potential use of tracer methods especially autoradiography in the study of the relation of herbicides to soil biology in: isotopes in weed research; proceedings of a symposium Vienna 25-29 October 1965 s589.S9. | 13512 | HISTORY | |
| Review of the metabolism and decomposition of diquat and parquat. | 13541 | History of mosquito control in Greater Winnipeg from 1925 to 1966 and an outline of present operations. | 13158 |
| Hazards of herbicide drift. | 13586 | ROG CHOLERA | |
| Herbicides and their toxicity to livestock. | 13589 | Immunizing pigs against hog cholera with selected strains of live virus diarrhea virus and preparation of virus diarrhea virus hyper-immune hog cholera serum. patent 3,346,456. | 13408 |
| Possible appearance of degradation products of parquat in crops. in: Isotopes in weed research; proceedings of a symposium, Vienna, 25-29 October 1965. s585.S9. | 13629 | ROG CHOLERA VACCINES | |
| Resistance of carcinogenic organic compounds to oxidation by activated sludge. | 13639 | Immunizing pigs against hog cholera with selected strains of live virus diarrhea virus and preparation of virus diarrhea virus hyper-immune hog cholera serum. patent 3,346,456. | 13408 |
| Substituted naphtholene herbicides. patent 3,324,147. | 13640 | ROLOCHEMUS CANALICULATUS | |
| Herbicide composition and method employing substituted carbamylates. patent 3,333,947. | 13647 | The small herry sawfly (Pristiphora pallipes Lep), a lesser known pest of gooseberries. | 13229 |
| Substituted carbamylate herbicides. patent 3,334,130. | 13648 | ROMOPTERA | |
| Herbicide composition and method. patent 3,345,151. | 13650 | Revision and supplement to the Homoptera part of the work "Fauna Regni Hungariae" (Fam.: Cercopidae). | 12987 |
| Derivatives of pyridazone and a method for their use as herbicides. patent 3,360,357. | 13660 | ROPLIA PHILANTHUS | |
| Pyridazone derivatives and their use as herbicides. patent 3,341,317. | 13661 | Larva of Roplia philanthus Fuessly (Coleoptera, Scarabaeidae) with comments on the bionomics of the species. | 12958 |
| Pyridazone derivatives and herbicide compositions containing them. patent 3,323,893. | 13662 | ROSMONES | |
| Herbicide compositions. patent 3,333,943. | 13663 | Pheromones of the queen honeybee (Apis mellifera L.) which enable her workers to follow her when swarming. | 13018 |
| Herbicide composition and method. patent 3,343,938. | 13664 | Experimental evidence for a hormonal control of digestion in the tsetse fly, Glossina morsitans Westwood: a study of the larva, pupa, and teneral adult fly. | 13077 |
| Herbicide composition and method. patent 3,345,157. | 13665 | New findings concerning pheromones produced by Trogoderma granarium (Everts), (Coleoptera, Dermestidae). | 13143 |
| Herbicide composition and method. patent 3,333,946. | 13666 | Use of alternative biological control schemes. in: FAO symposium on integrated pest control, Rome, 1965. proceedings. S8951. P62. | 13335 |
| Herbicide method employing trichlorohenzylalkyl esters of chlorinated aliphatic acids. patent 3,338,703. | 13681 | RORSSES | |
| Method of controlling plant growth. patent 3,336,131. | 13683 | Production of gas gangrene serum in general and of polyvalent gas gangrene-aphylactic-serum of horse by using simultaneous immunization methods with four known gas gangrene types in one. | 13409 |
| HETERODERA GLYCINES | | Margin of safety of succinylcholine chloride in horses treated with anticholinesterase pesticides. | 13434 |
| Comparison of the pathogenicity and development of the Va. 2 isolate of Heterodera glycines on Pickett and Lee soybeans. (abstract). | 13387 | Diagnosis and prevention of equine respiratory diseases. | 13446 |
| | | II. hrucellosis in Britain--The problem: Control: Eradication. | 13448 |
| | | The diagnosis of helminthiasis in horses. | 13480 |
| | | HOST INDEXING (PLANTS) | |
| | | Factors affecting transmission of tristeza virus by melon aphids. | 13254 |

SUBJECT INDEX

HOST SPECIFICITY

HOST SPECIFICITY

Further records of New Jersey aphids (Homoptera: Aphididae). 12968

Nematode parasites of Culicidae and Chaoboridae in Louisiana. 13022

Observations on two races of the groundnut aphid, *Aphis craccivora*. 13067

Pathogen-produced determinants of disease and their effects on host plants. in: Mirocha, C. J., and Uritani, I., ed. the dynamic role of molecular constituents in plant-parasite interaction. proceedings, conference held May 15-21, 1966, Gasaqori, Japan. SB611.C6. 13271

Influence of host-parasite interactions on proteins enzymes, and resistance. in: Mirocha, C. J., and Uritani, I., ed. the dynamic role of molecular constituents in plant-parasite interaction. proceeding, conference held May 15-21, 1966, Gasaqori Japan. SB611.C6. 13274

Host-plant preference of the alfalfa weevil in the field. 13312

A note on some new host plants of a few pyralids in south India. 13337

The balanced lattice as an experimental design for testing large numbers of plants for feeding preferences of white-fringed beetles. 13338

Ips plasticographus (Coleoptera: Scolytidae) tunnelling in sawwood of lodgepole pine in California. 13344

Newly recognized hosts of the oriental fruit fly, melon fly, and Mediterranean fruit fly. 13355

New host records for North American fruit flies (Diptera: Tephritidae). 13357

Metabolic shifts during infection. III. carbon dioxide fixation in the dark as a nutritional factor in parasitism. in: Mirocha, C. J., and Uritani, I., ed. the dynamic role of molecular constituents in plant-parasite interaction. proceedings, conference held May 15-21, 1966, Gasaqori, Japan. SB611.C6. 13625

HUMANS

Egg production of house-fly, adults fed human blood containing various supplements. 13163

The danger-index of the synanthropic flies. 13170

Separating the rural and urban synanthropic fly faunas. 13171

Summary of recent abstracts. IX. helminthiasis. 13467

The interpretation of faecal egg-counts. v. a further note on single and multiple sampling in the detection of parasitic infections. 13476

Toxic hazards from the use of insecticides in the control of *Aedes aegypti*. 13576

Studies of DNA, RNA, and protein synthesis in HeLa S cells exposed to DDT and dieldrin. 13581

Problems in FAO on human and animal intoxication. in: radioisotopes in the detection of pesticide residues; proceedings of a panel Vienna 12-16 April 1965. SB953.P32. 13603

Biochemical toxicology. 13604

HUMIDITY

The effect of favorable periods for infection on development of stem rust in field plots of wheat. (abstract). 13248

Preference for wood of different degrees of dampness in some termites from Cuba (Isoptera). 13497

HYDROCYANIC ACID

Influence of substances and soil treatments on the germination of spores of *Cochliobolus sativus*. 13219

A survey of organic chloride impurities in food grade hydrochloric acid. 13537

HYDROCORTISONE

Cortisol and growth in insects. 13093

HYDROCYANIC ACID

Distribution and concentration of HCN in a sorghum-sudan-grass hybrid. 13632

HYDROGEN-ION CONCENTRATION

On the hydrogen-ion concentration in the alimentary canal and blood of phytophagous larval Lepidoptera. 13128

Comparison of the California mastitis test, catalase test, and pH readings on quarter milk samples. 13440

HYDROLYSIS

Influence of physicochemical properties on biodegradability of phenylcarbamate herbicides. 13549

The gas chromatographic determination of organophosphorus pesticides. II. a comparative study of hydrolysis rates. 13667

HYDROXYUREA

Histological studies of tests in rats treated with certain insect chemosterilants. 13590

HYGROBIA HERMANNI

Hygrobia hermanni Ol, the sand beetle (Col., Hygrobiidae). 12998

HYLEMYA BRASSICAE

Morphological-biological report of the cabbage maggot "*Hylemya brassicae* (Hch.)" and experiments in chemical control. 13360

HYMENOPTERA

Hymenoptera Tenthredinoidea of the Seine-et-Oise. interesting captures and collecting notes. 12965

Appendix. spher Linne, subgenus *Palmodes* Kobl. in: Hymenoptera from Turkey. species. I., by J de Beausont. 12984

A review of hymenopterous parasites of citrus pest aphids of the world and biological control projects (Hym., Aphidoidea). 13371

Vasoactive peptides in venoms. 13591

HYPERA POSTICA

Host-plant preference of the alfalfa weevil in the field. 13312

HYPODERMA ROVIS

On the identity of the Greek parasitic insect oistros. 13466

HYPOXIA

The pathophysiology of chronic hypoxia in chickens. 13436

ICERYA PURCHASI

Record of the cottony cushion scale, *Icerya purchasi* Maskell in the Cannanore District of Kerala State in India and its control. 13362

ICHNEMONIIDAE

Biology of the Ichneumonid parasites of *Neodiprion sertifer* (Geoffroy) (Hymii Diprionidae) in Europe. 13108

A study of the life-cycles and hosts of some Ichneumonidae attacking pupae of the green oak-leaf roller moth, *Tortrix viridana* (L.) (Lepidoptera: Tortricidae) in England. 13315

IMIDAM

Rapid method for surface residues of organophosphorus pesticides by total phosphorus. 13531

IMMUNIZATION

Immunizing pigs against hog cholera with selected strains of live virus diarrhea virus and preparation of virus diarrhea virus hyper-immune hog cholera serum. patent 3,346,456. 13408

Production of gas gangrene serum in general and of polyvalent gas gangrene-aphylactic-serum of horse by using simultaneous immunization methods with four known gas gangrene types in one. 13409

The influence of Hi Newcastle disease vaccine upon immunity by revaccination with tissue culture Newcastle disease vaccine. 13417

SUBJECT INDEX

INSECT COLLECTING EQUIPMENT

| | | | |
|--|-------|--|-------|
| Difteria immunisation. | 1341B | Insect behavior. (Royal Entomological Society of London. symposia no. 3). | 13053 |
| Bovine virallosis vaccine and method of administering same. patent 3,329,573. | 13422 | The circadian flight activity of the mosquito <i>Anopheles gambiae</i> : phase setting by the light regime. | 13068 |
| II. Brucellosis in Britain--The problem: Control: Eradication. | 1344B | Observations of the swarming behavior of <i>Simulium damnosum</i> (Theobald) in Upper Volta and the Cameroons. | 13084 |
| IMMUNODIAGNOSIS | | Ants from close up. GL56B.F7N4. | 13099 |
| Salmonellosis of sheep: use of serum from a vaccinated ewe in a mouse passive protection test. | 13426 | Mating, resting habits and dispersal of <i>Aedes aegypti</i> . | 13119 |
| INDEXES | | Sexual behavior in blister beetles (Coleoptera: Meloidae). II. <i>Linsleya convexa</i> . | 13121 |
| The fleas (Siphonaptera) of Egypt. an illustrated and annotated key. | 12969 | Optical orientation of the honey bee (<i>Apis mellifica</i>) according to the frontal angle of the perceived striated pattern. | 13141 |
| Index of phytosanitary products, catalog of active materials and commercial specialties. ed. 6. s565.aB2 1967. | 13192 | Behaviour of social insects. | 13142 |
| Russian drug index. ed. 2. BS91 .J3. | 1363B | Factors affecting transmission of tristeza virus by melon aphids. | 13254 |
| INDIA | | Use of alternative biological control schemes. in: FAO symposium on integrated pest control, Rome, 1965. proceedings. SB951. P62. | 13335 |
| Insect interceptions made from the seed samples imported and exported for plant introduction work during the period August 1960 to December 1964. | 13377 | The balanced lattice as an experimental design for testing large numbers of plants for feeding preferences of white-fringed beetles. | 13338 |
| Some observations on the probable damage caused by rats in Bombay. | 13501 | Constituents of the cotton bud. IX. further studies on a polar boll weevil feeding staminal complex. | 13374 |
| INDONESIA | | Coleoptera infesting stored products. in: Smith, C. n. insect colonization and mass production. GL497.S6. | 13495 |
| Properties of white clover mosaic virus from Indiana. | 13207 | Preference for wood of different degrees of dampness in some termites from Cuba (Isoptera). | 13497 |
| INDICATOR PLANTS | | INSECT BIOLOGY | |
| Factors affecting transmission of tristeza virus by melon aphids. | 13254 | The social Vespidae of central Europe. GL56B.V5R4. | 12961 |
| INDOLEACETIC ACID | | Biology of the Ichneumonid parasites of <i>Neodiprion sertifer</i> (Geoffroy) (Hymenoptera: Diprionidae) in Europe. | 13108 |
| Studies on the regulation of cellulase activity and growth in excised pea epicotyl sections. | 13615 | World Health Organization. seminar on the ecology, biology, control, and eradication of <i>Aedes aegypti</i> , 16-20 August 1965, Geneva, Switzerland. | 13156 |
| Effect of gibberellin on the free auxin content in the period of spike differentiation of barley. | 1361B | Genetic control of <i>Aedes aegypti</i> . | 13162 |
| The effects of indoleacetic acid and 2,4-dichlorophenoxyacetic acid on intermediary metabolism of ¹⁴ C-labelled organic acids by pea root tips. | 13620 | Biology of radicolous aphids on maize. | 13299 |
| INDUSTRIAL WASTES | | Aphids. in: Smith, C. n. insect colonization and mass production. GL497.S6. | 13331 |
| Water pollution control and abatement. TD420.W45. | 13520 | New records and discussion of predators of the pear psylla, <i>Psylla pyricola</i> Forster, in British Columbia. | 13349 |
| Disposal and decontamination of agricultural chemical containers. | 1358B | Morphological-biological report of the cabbage maggot " <i>Hylemia brassicae</i> (Bch.)" and experiments in chemical control. | 13360 |
| INDUSTRIY | | Status of the cereal leaf beetle, <i>Oulema melanopus</i> (L.) Coleoptera: Chrysomellidae in North America. | 13379 |
| Pest control's 7th annual industry economic forecast fast track for '68. | 13704 | Lepidoptera infesting stored products. in: Smith, C. n. insect colonization and mass production. GL497.S6. | 13492 |
| INFECTIOUS DISEASES | | INSECT CAGES | |
| An epidemiological study of salmonellosis of chickens. | 13449 | Grasshoppers. in: Smith, C. n. insect colonization and mass production. GL497.S6. | 13316 |
| INFLUENZA VIRUSES | | Boll weevils. in: Smith, C. n. insect colonization and mass production. GL497.S6. | 13323 |
| Antiviral antibiotic from <i>Trichoderma todiaca</i> and method of producing same. patent 3,323,996. | 13673 | Hibernation of the plum curculio and its spring migration to host trees. | 13370 |
| INFRARED SPECTRA | | INSECT COLLECTING EQUIPMENT | |
| Separation, identification, and measurement of DDT and its metabolites. | 13567 | <i>Hygrobia hermanni</i> Ol., the mud beetle (Col., Byrrhidae). | 1299B |
| INSECT ANATOMY | | Control of cotton insects with an insect-collecting machine. | 13359 |
| Beautiful insects. GL543.M63. | 12973 | | |
| Contribution to the knowledge on <i>Cosmopolites sordidus</i> (Germar) (Coleoptera, Curculionidae). I. | 12982 | | |
| Structure, fatigue, and enzyme activities in 'fast' insect muscles. | 13123 | | |
| INSECT BEHAVIOR | | | |
| Beautiful insects. GL543.M63. | 12973 | | |
| Insect communication. | 13021 | | |
| The role of rhythms in insect behaviour. | 13024 | | |
| Feeding behaviour. | 13033 | | |
| The effect of wind direction on the index of diversity of night flying lepidoptera in a particular area. | 13051 | | |

SOBJECT INDEX

INSECT CONTROL

| | | | |
|--|-------|---|-------|
| Population sampling for integrated control. in: FAO symposium on integrated pest control, Rome, 1965. proceedings. SB951. P62. | 13376 | Senita cactus alkaloids: Their significance to Sonoran Desert Drosophila ecology. | 13073 |
| INSECT CONTROL | | Factors affecting adult survival and fecundity in <i>Lasioderma serricorne</i> (F.) (Coleoptera, Anobiidae). | 13081 |
| World Health Organization. seminar on the ecology, biology, control, and eradication of <i>Aedes aegypti</i> , 16-20 August 1965, Geneva, Switzerland. | 13156 | Factors affecting the oviposition of <i>Aedes aegypti</i> . | 13137 |
| History of mosquito control in Greater Winnipeg from 1925 to 1966 and an outline of present operations. | 13158 | World Health Organization. seminar on the ecology, biology, control, and eradication of <i>Aedes aegypti</i> , 16-20 August 1965, Geneva, Switzerland. | 13156 |
| Organization and administration of <i>Aedes aegypti</i> control and eradication programme. | 13160 | Separating the rural and urban synanthropic fly faunas. | 13171 |
| Genetic control of <i>Aedes aegypti</i> . | 13162 | Hibernation of the plum curculio and its spring migration to host trees. | 13370 |
| Initiation of the <i>Aedes aegypti</i> eradication programme of the USA. | 13179 | INSECT EGGS | |
| Insecticides for use against <i>Aedes aegypti</i> . | 13181 | Predation by Pseudoscorpionida vegetans (Acarina: Oropodidae) and Macrocheles muscadomesticae (Acarina: Macrochelidae) on the eggs of the little house fly, <i>Fannia canicularis</i> . | 12975 |
| Research needs and priorities: Genetic control, including the sterile-male technique. | 13183 | Factors affecting the resistance of insect eggs to sulphuryl fluoride. i. the uptake of sulphuryl-35S fluoride by insect eggs. | 13103 |
| Possible use of the sterile-male technique for control of <i>Aedes aegypti</i> . | 13184 | Transplanting cleavage and blastoderm cells in enucleated egg of <i>Leptinotarsa decemlineata</i> (Coleoptera). | 13118 |
| The prospects for <i>Aedes aegypti</i> eradication in Asia in the light of its eradication in Brazil. | 13186 | Effect of gamma irradiation on female <i>Culex pipiens quinquefasciatus</i> . | 13125 |
| Control of mosquito adults and larvae with ultra-low volume aerial applications of Baygon and Baygon-Baytex mixture. | 13188 | Egg production of house-fly, adults fed human blood containing various supplements. | 13163 |
| Measures to be taken to prevent the transmission of <i>Aedes aegypti</i> by sea and air. | 13189 | The egg-laying habits of <i>Aedes aegypti</i> (Linnaeus) in central Texas. | 13165 |
| Biological control and alternative control schemes. A. S. Balachowsky and F. Wilson, rapporteurs. in: FAO symposium on integrated pest control, Rome, 1965. proceedings. SB951. P62. | 13320 | INSECT FLIGHT | |
| Control of cotton insects with an insect-collecting machine. | 13359 | The respiratory metabolism of insect flight muscle during adult maturation. | 13007 |
| Insect interceptions made from the seed samples imported and exported for plant introduction work during the period August 1960 to December 1964. | 13377 | The effect of wind direction on the index of diversity of night flying Lepidoptera in a particular area. | 13051 |
| New findings about fumigant and atmospheric gases in the control of insects and molds in grain. | 13483 | Flight behaviour. | 13052 |
| Insect control with high frequency electric fields. | 13499 | The circadian flight activity of the mosquito <i>Anopheles gambiae</i> : phase setting by the light regime. | 13068 |
| Effectiveness of gamma irradiation for control of five species of stored-product insects. | 13500 | Flight in <i>Drosophila</i> . III. aerodynamic characteristics of fly wings and wing models. | 13139 |
| Training aspects of the United States sponsored <i>Aedes aegypti</i> and malaria eradication programs. | 13706 | INSECT GENETICS | |
| INSECT DISEASES | | Formal genetics and cytogenetics of <i>Aedes aegypti</i> . | 13145 |
| Observations on <i>Culex pipiens</i> larvae infested with <i>Vorticella</i> sp. | 13180 | Research needs and priorities: genetics. | 13146 |
| Possibilities for utilization of entomopathogenic microorganisms in integrated control. in: FAO symposium on integrated pest control, Rome, 1965. proceedings. SB951. P62. | 13336 | Current status of the formal genetics of <i>Aedes aegypti</i> . | 13147 |
| INSECT DISSEMINATION | | Molecular basis for the genetic regulation and coordination of the differentiation process. | 13148 |
| Note about some hidden travelers. | 12976 | Genetics of vectorial capacity. | 13150 |
| Mating, resting habits and dispersal of <i>Aedes aegypti</i> . | 13119 | Effect of temperature on the degree of intersexuality in <i>Lymantria dispar</i> L. | 13151 |
| Measures to be taken to prevent the transmission of <i>Aedes aegypti</i> by sea and air. | 13189 | Inheritance of ether resistance in <i>Drosophila melanogaster</i> . | 13152 |
| INSECT ECOLOGY | | Inherited partial sterility among survivors from irradiation-eradication experiment. | 13154 |
| The ecology of insect populations in theory and practice. g1496.c55. | 12943 | Persistence of lethal genes associated with SD in natural populations of <i>Drosophila melanogaster</i> . | 13155 |
| Larva of <i>Hoplia philanthus</i> Friesly (Coleoptera, Scarabaeidae) with comments on the bionomics of the species. | 12958 | Genetic control of <i>Aedes aegypti</i> . | 13162 |
| Research needs and priorities: Ecology. | 12970 | Research needs and priorities: Genetic control, including the sterile-male technique. | 13183 |
| Developmental rate and competitive ability in <i>Tribolium</i> . III. competition in unfavorable environments. | 13032 | INSECT HISTOLOGY | |
| | | Effect of apholate on reproductive organ of the female silkworm, <i>Bombyx mori</i> , with special reference to histopathological observation of the ovaries. | 13136 |

SOBJEET INDEX

| | | INSECT PESTS |
|--|-------|--|
| INSECT IDENTIFICATION | | |
| The social Vespidae of central Europe. gL568.v5K4. | 12961 | and southwestern corn borer. 13302 |
| INSECT METABOLISM | | |
| The respiratory metabolism of insect flight muscle during adult maturation. | 13007 | Lygus bugs. in: Smith, C. n. insect colonization and mass production. gL497.S6. 13307 |
| Metabolism of 2-methyl-2-(methylthio)propionaldehyde O-(methylcarbamoyl)oxime (Temik, OC-21149) in insects. | 13016 | Boll weevils. in: Smith, C. n. insect colonization and mass production. gL497.S6. 13323 |
| Insecticide mode of action. effect of dieldrin on ion movement in the nervous system of <i>Periplaneta americana</i> and <i>Blattella germanica</i> cockroaches. | 13054 | Codling moths. in: Smith, C. n. insect colonization and mass production. gL497.S6. 13328 |
| Dehydrogenase in carbohydrate metabolism in larvae of the silkworm, <i>Bombyx mori</i> L. | 13059 | A pressure paint tank modified for use as a dispenser for insect diets. 13699 |
| Studies on the metabolism of DDT in the desert locust by paper chromatography. | 13129 | INSECT OUTBREAK FORECASTING |
| Carbohydrate metabolism in the flight muscle of the southern armyworm moth, <i>Prodenia eridania</i> . | 13132 | Prediction of population trends. in: FAO symposium on integrated pest control, Rome, 1965. proceedings. SB951. P62. 12999 |
| INSECT MIGRATION | | |
| Hibernation of the plum curculio and its spring migration to host trees. | 13370 | INSECT PESTS |
| INSECT MORPHOLOGY | | |
| The comparative ethology and evolution of the sand wasps. gL568.S7E8. | 12948 | The danger-index of the synanthropic flies. 13170 |
| The polymorphism in <i>Philaenus spumarius</i> (L.) (Hemiptera: Cercopidae) in British Columbia. | 13041 | Separating the rural and urban synanthropic fly faunas. 13171 |
| The wild type phenotype of the rosy mutant of <i>Drosophila melanogaster</i> and its relation to xanthine dehydrogenase activity. | 13120 | A.v.c. agreport. 2. 13191 |
| Morphological-biological report of the cabbage maggot " <i>Delia brassicae</i> (Sch.)" and experiments in chemical control. | 13360 | Diseases and parasites of the vine. ed. 3. SB609.G7 L3 1966. 13193 |
| INSECT NUTRITION | | |
| The comparative effects of vitamin deficiency on development and on adult fecundity of <i>Tribolium castaneum</i> . | 13005 | Atlas of diseases and pests of vegetables. SB731. A4. 13203 |
| Effects on light and sugars on rearing the cotton aphid, <i>Aphis gossypii</i> , on a germ-free and holidic diet. | 13006 | Ostrinia nubilalis Hübner, injurious to globe artichoke in Egypt (Lepidoptera: Pyralidae). 13300 |
| A semisynthetic diet for adult banded cucumber beetles. | 13025 | Field evaluation of Temik against some insects and mites attacking citrus. 13305 |
| Nutritional relationships in larvae of <i>Oryzaephilus surinamensis</i> . | 13031 | A study of the life-cycles and hosts of some Ichneumonidae attacking pupae of the green oak-leaf roller moth, <i>Tortrix viridana</i> (L.) (Lepidoptera: Tortricidae) in England. 13315 |
| A completely defined synthetic diet for ants (Hym., Formicidae). | 13038 | The essential role of economic-injury population levels. F. J. Simmonds and E. Horber, rapporteurs. in: FAO symposium on integrated pest control, Rome, 1965. proceedings. SB951. P62. 13321 |
| Feeding stimuli and artificial feeding. | 13046 | Insects of the season 1966 related to fruit, vegetables and ornamentals. 13325 |
| Effect of endrin and trichlorfon applied in artificial diet against larvae of sugar-cane borer <i>Diatraea saccharalis</i> (F.) (Lep., Pyralidae). | 13049 | Importance of an interdisciplinary approach. in: FAO symposium on integrated pest control, Rome, 1965. proceedings. SB951. P62. 13327 |
| Nutritive effects of alanine, cystine, glycine, serine, and tyrosine on the silkworm, <i>Bombyx mori</i> . | 13062 | The insect pests of cabbage in Egypt. 13330 |
| An artificial diet and some growth factor requirements for the pale western cutworm. | 13070 | A note on some new host plants of a few pyralids in south India. 13337 |
| Insecticide hormoligosis. | 13086 | Some new pests of betelvine. 13339 |
| Insect nutrition - quality and quantity. | 13087 | New records of hymenopterous parasites from <i>Achaea janata</i> Linn (Lepidoptera: Noctuidae), a serious pest of castor, (<i>Ricinus communis</i>). 13343 |
| Effect of amino acid and sugar concentrations on the food uptake of the aphid <i>Myzus persicae</i> . | 13092 | The importance of insects to the spreading of oak wilt. 13350 |
| Ants from close up. gL568.P7N4. | 13099 | Control of cotton insects with an insect-collecting machine. 13359 |
| The relationship of the fatty acid composition of <i>Heliothis zea</i> larvae to that of its diet. | 13117 | The insects injurious to potatoes. 13366 |
| Digestion by the larva of the prinose scarab, <i>Sericesthis geminata</i> . | 13126 | Some costs of insect damage and crop protection. in: FAO symposium on integrated pest control, Rome, 1965. proceedings. SB951. P62. 13372 |
| Egg production of house-fly, adults fed human blood containing various supplements. | 13163 | Population sampling for integrated control. in: FAO symposium on integrated pest control, Rome, 1965. proceedings. SB951. P62. 13376 |
| Effects of natural (sorghum) and artificial (wheat germ) diets on development of the corn earworm, fall armyworm, | | Studies on the susceptibility of certain stored products insects to bacterial insecticides. 1. tests with Bakthane L-69. 13489 |
| | | The fauna of stored products in U.A.R. 13490 |

SUBJECT INDEX

INSECT PHYSIOLOGY

INSECT PHYSIOLOGY

The nature of haemolymph proteins in relation to the ovarian cycle in the viviparous cockroach, *Nauphoeta cinerea*. 13002

Temperature acclimation and its influence on the electrical activity of the nervous system in three species of cockroaches. 13004

Dietary amino acid and nucleic imbalance leading to altered tuncrn frequency in the adult housefly, *Musca domestica*. 13013

Phenomena of excitation and inhibition in the last abdominal ganglion of the cockroach, *Periplaneta americana* L. 13019

The effects of acetylcholine at the synaptic and somatic levels in the case of the last abdominal ganglion of the cockroach *Periplaneta americana*. 13020

A comparative study of larval embryogenesis in the mosquito *Culex fatigans* Wiedemann (Diptera: Culicidae) and the sheep-fly, *Lucilia sericata* Meigen (Diptera: Calliphoridae). I. description of embryonic development. 13030

Developmental rate and competitive ability in *Tribolium*. III. competition in unfavorable environments. 13032

Studies on the neurosecretory system and the functional significance of NSM in the acrtal wall of the bug, *Dysdercus keniigii*. 13035

Anaerobiosis studies with *Musca domestica*. age and sex differences for survival rate and recovery capability. 13037

Effect of age on (14c)valine turnover into locust wing proteins. 13056

Experimental study of development in the male reproductive system of *Tenebrio molitor* (Coleoptera, Tenebrionidae). 13060

A contribution to the knowledge of the diapause in *Perillus bioculatus* (Fabr) (Heteroptera, Pentatomidae). 13063

An artificial diet and some growth factor requirements for the pale western cutworm. 13070

Phospholipase activity in *Musca domestica* L. 13071

Experimental evidence for a hormonal control of digestion in the tsetse fly, *Glossina morsitans* Westwood: a study of the larva, pupa, and teneral adult fly. 13077

A laboratory study of *Stegobium paniceum* (L.) (Coleoptera: Anobiidae). 13080

Factors affecting adult survival and fecundity in *Lasioderma serricorne* (F.) (Coleoptera, Anobiidae). 13081

The physiological division of labour in the salivary glands of *Cnecopeltus fasciatus* (Dall.) (Heteroptera: Lygaeidae). 13090

Comparative studies on reciprocal interchange of the corpora allata between males and females of adult *Schistocerca gregaria* (Forsk.) (Orthoptera: Acrididae). 13106

Action of natural ionizing radiations in *Drosophila melanogaster*. 13107

Study of the reconstitution of the cuticle as a result of of a tegumentary excision in *Locusta migratoria*. 13110

Cellular age changes in insects. in: Aspects of the biology of aging, B. W. Wclhouse, ed. 13113

Effect of population density on the larval coloration and development of larva and pupa in the larger pellucid hawk moth, *Cephonodes hylas* L (Lepidoptera: Sphingidae). 13115

The wild type phenocopy of the rosy mutant of *Drosophila melanogaster* and its relation to xanthine dehydrogenase activity. 13120

The phenomenon of intrapopulation control in aquatic organisms. an attempt at immunological interpretation of its

physiology. 13134

Influence of age on ovarian function in *Drosophila melanogaster*. 13140

Ips bark beetle attacks and brood development on a lightning-struck pine in relation to its physiological decline. 13298

Effects of natural (sorghum) and artificial (wheat germ) diets on development of the corn earworm, fall armyworm, and southwestern corn borer. 13302

Ontogeny and comparative radiation sensitivity in the confused flour beetle and strains of the red flour beetle. 13494

Effect of high-amylose field corn on larval growth and survival of five species of stored-grain insects. 13498

INSECT POLLINATORS

Importance of an interdisciplinary approach. in: FAO symposium on integrated pest control, Rome, 1965. proceedings. SB951. P62. 13327

INSECT POPULATIONS

The ecology of insect populations in theory and practice. gl496.c55. 12943

A study of the population of insects emerging as adults from Spettigue's Pond at London, Ontario. 12960

The analysis of density dependence in studies on insect population regulation. in: FAO symposium on integrated pest control, Rome, 1965. proceedings. SB951. P62. 12962

Apterous aphids in water, wind, and suction traps. 12972

The distribution, density and seasonal prevalence of *Aedes aegypti* in West Africa. 12992

Prediction of population trends. in: FAO symposium on integrated pest control, Rome, 1965. proceedings. SB951. P62. 12999

Studies on natural populations. VI. competition between *Drosophila melanogaster* and *Drosophila simulans*. 13034

Effect of population density on the larval coloration and development of larva and pupa in the larger pellucid hawk moth, *Cephonodes hylas* L (Lepidoptera: Sphingidae). 13115

Survival and reproduction in a natural population of the tsetse fly, *Glossina palpalis palpalis* (Robinson-Desvoidy). 13116

Laboratory and field investigations of mosquito populations associated with oxidation lagoons in Missonri. 13185

Factors affecting transmission of tristeza virus by melon aphids. 13254

The essential role of economic-injury population levels. P. J. Simmonds and E. Horber, rapporteurs. in: FAO symposium on integrated pest control, Rome, 1965. proceedings. SB951. P62. 13321

Integrated house fly control: populations of fly larvae and predaceous sites, *Macrocheles suscaedomesticae*, in poultry manure after larvicide treatment. 13491

INSECT REARING

Effects on light and sugars on rearing the cotton aphid, *Aphis gossypii*, on a germ-free and holidic diet. 13006

In vitro hatching of *Gastrophilus intestinalis* larvae. 13009

Rear caterpillars? why?. 13011

Mass rearing handed cucumber beetles, with notes on rearing spotted and striped cucumber beetles. 13027

Interruption of diapause and rearing larvae of *Culiseta melanura* (Coq). 13055

Laboratory culture of *Triatoma infestans* (Klug, 1834) (Hemiptera, Reduviidae). 13097

Rearing the tobacco budworm in honeycomb-like cells. 13111

SUBJECT INDEX

INSECTICIDE RESIDUES

| | | | |
|---|-------|--|-------|
| Observations on the alfalfa leaf-cutter bee, <i>Megachile rotundata</i> , at Hodgson, Manitoba in 1966. | 13112 | INSECT TRAPS | |
| Genetic control of <i>Aedes aegypti</i> . | 13162 | Apterous aphids in water, wind, and suction traps. | 12972 |
| Southern pine beetles. in: Smith, C. N. insect colonization and mass production. GL497.S6. | 13314 | Tanglefoot traps for detection of the balsam woolly aphid. | 13076 |
| Grasshoppers. in: Smith, C. N. insect colonization and mass production. GL497.S6. | 13316 | Trapping mosquitoes with sound. (abstract). | 13159 |
| Beetle weevils. in: Smith, C. N. insect colonization and mass production. GL497.S6. | 13323 | AEHA cartridge-type aspirators. | 13692 |
| Codling moths. in: Smith, C. N. insect colonization and mass production. GL497.S6. | 13328 | A device for examining large insect traps. | 13698 |
| Aphids. in: Smith, C. N. insect colonization and mass production. GL497.S6. | 13331 | INSECT VECTORS | |
| Lepidoptera infesting stored products. in: Smith, C. N. insect colonization and mass production. GL497.S6. | 13492 | Genetics of vectorial capacity. | 13150 |
| Coleoptera infesting stored products. in: Smith, C. N. insect colonization and mass production. GL497.S6. | 13495 | <i>Aedes aegypti</i> and other mosquitoes in relation to the dengue syndrome. | 13168 |
| The use of <i>Folsomia fimetaria</i> and <i>Drosophila melanogaster</i> as test insects for the detection of insecticide residues. | 13566 | On the role of Japanese mosquitoes especially of <i>Culex pipiens pallens</i> in the transmission of Bancroftian filariasis. in: Progress of medical parasitology in Japan, vol. 3. K. Morishita, Y. Komiya, and B. Matsubayashi, editors. 423 M823. | 13176 |
| INSECT REARING EQUIPMENT | | <i>Aedes aegypti</i> and haemorrhagic fever. | 13178 |
| Rearing the tobacco budworm in honeycomb-like cells. | 13111 | <i>Aedes aegypti</i> and yellow fever. | 13187 |
| Lepidoptera infesting stored products. in: Smith, C. N. insect colonization and mass production. GL497.S6. | 13492 | Measures to be taken to prevent the transmission of <i>Aedes aegypti</i> by sea and air. | 13189 |
| Fluoroclyde as a barrier to contain nonflying insects in glass containers. | 13703 | Factors affecting transmission of tristeza virus by melon aphids. | 13254 |
| INSECT EFFICACIES | | INSECTICIDE APPLICATION | |
| New findings concerning pheromones produced by <i>Trogoderma granarium</i> (Everts), (Coleoptera: Dermestidae). | 13143 | ULV aerial insecticide application for adult mosquito control. | 13166 |
| Current research by the USDA of potential significance to world-wide mosquito control. | 13169 | Control of mosquito adults and larvae with ultra-low volume aerial applications of Baygon and Baygon-Baytex mixture. | 13188 |
| Use of alternative biological control schemes. in: FAO symposium on integrated pest control, Rowe, 1965. proceedings. SP951. F62. | 13335 | INSECTICIDE RESIDUES | |
| INSECT RESPIRATION | | Residues of organochlorine insecticides and their metabolites in soils in the Atlantic Provinces of Canada. | 13510 |
| The respiratory metabolism of insect flight muscle during adult maturation. | 13007 | Removal of chlorinated insecticide residues from milk fat by molecular distillation. | 13525 |
| Description of a method for measuring the respiratory exchange in the entire insect. | 13010 | Gas chromatographic analysis of 3-hydroxy-N-methyl-cis-crotonamide dimethyl phosphate (Azodrin) and 3-hydroxy-N,N-dimethyl-cis-crotonamide dimethyl phosphate (Bidrin). | 13528 |
| Respiration in <i>Drosophila melanogaster</i> in the course of metamorphosis. effect of proparina formation, nymphal molting, and of emergence. | 13044 | Temperature-programmed gas chromatography of 20 phosphorus-containing insecticides on 4 different columns and its application to the analysis of milk and corn silage. | 13529 |
| INSECT TAXONOMY | | Determination of residues of Mobil MC-A-600 (benzo(h)thien-4-yl methylcarbamate) and its hydrolysis product (benzo(h)thiophene-4-ol) in coastal Bermuda grass and milk. | 13530 |
| New species of the genus <i>Typhlodromus</i> from Sudan (Acarii Phytoseiidae). | 12947 | Rapid method for surface residues of organophosphorus pesticides by total phosphorus. | 13531 |
| Notes on the systematics and distribution of some <i>Tribolium</i> species (Coleoptera: Tenebrionidae). | 12953 | DDT problem at a glance. | 13532 |
| A taxonomic separation of larvae of the genus <i>Sitophilus</i> by head capsule morphology (Coleoptera: Curculionidae). | 12957 | Note on the effect of sample moisture content on extraction of TDE from kale. | 13533 |
| Keys for the identification of British insects. XXVII. Lepidoptera. 63. satyridae. | 12964 | Fate of 2-methyl-2-(methylthio)propion aldehyde O-(methylcarbamoyl)oxime (Temik) in cotton plants and soil. | 13535 |
| Taxonomy of <i>Aedes aegypti</i> and related species. | 12971 | Problems with DDT in fish culture operations. | 13536 |
| Aphids of Korea. GL523. A6 F3. | 12978 | Chlorinated hydrocarbon insecticide residues in selected insects and birds found in association with cotton fields. | 13540 |
| Additional synonymies within the asterisceran bird lice (Mallophaga). | 12981 | Absorption of organochlorine insecticide residues from agricultural soils by root crops. | 13544 |
| Revision and supplement to the Homoptera part of the work "Fauna Regni Hungariae" (Faz.: Cercopidae). | 12987 | Parathion and methyl parathion residues on cabbage and southern peas. | 13546 |
| A new aphid genus from north-western India (Homoptera: Aphididae). | 12993 | Translocation of insecticides from soils into pea plants | |

SUBJECT INDEX

INSECTICIDE RESISTANT INSECTS

| | | | |
|--|-------|--|-------|
| effects of the detergent LAS on translocation and plant growth. | 13553 | Evaluation of insecticides against four species of adult mosquitoes in the Panama Canal Zone, 1967. | 13157 |
| Gas chromatographic determination of famphur and its oxygen analog residues in bovine milk, blood, and edible tissues. | 13562 | Responses of <i>Aedes aegypti</i> (L) from Alabama, Georgia and South Carolina to DDT, dieldrin, and malathion. | 13164 |
| Distribution of p,p'-DDT residues in adipose and muscle tissues of beef cattle. | 13564 | Current research by the USDA of potential significance to world-wide mosquito control. | 13169 |
| The use of <i>Folsomia fimetaria</i> and <i>Drosophila melanogaster</i> as test insects for the detection of insecticide residues. | 13566 | Ultra-low volume and conventional aerial sprays for control of adult salt-marsh mosquitoes, <i>Aedes sollicitans</i> (Walker) and <i>Aedes taeniorhynchus</i> (Wiedemann), in Florida. | 13174 |
| Separation, identification, and measurement of DDT and its metabolites. | 13567 | New insecticides as nonthermal aerosols for control of adult mosquitoes. | 13175 |
| A rapid specific method for the gas chromatographic determination of organophosphate pesticides in cold pressed citrus oils. | 13569 | Insecticides for use against <i>Aedes aegypti</i> . | 13181 |
| Distribution of heptachlor residues in pond ecosystems in southwestern Virginia. | 13572 | Evaluation of insecticides for control of the sugar-beet maggot in Manitoba. | 13297 |
| Fate of insecticide residues. decomposition of lindane in soil. | 13574 | Field evaluation of Temik against some insects and mites attacking citrus. | 13305 |
| Metabolism and excretion of an insecticide (6-chloro-3,4-dimethylphenyl N-methylcarbamate) in the rat. | 13578 | Use of pesticides in selective manners. in: FAO symposium on integrated pest control, Rome, 1965. proceedings. SB951. P62. | 13322 |
| Studies of DNA, RNA, and protein synthesis in HeLa S cells exposed to DDT and dieldrin. | 13581 | Possibilities for utilization of entomopathogenic microorganisms in integrated control. in: FAO symposium on integrated pest control, Rome, 1965. proceedings. SB551. P62. | 13336 |
| Absorption, metabolism, and excretion of tritium-labeled famphur in the sheep and calf. | 13583 | Experiments on the control of sisal weevils by dipping planting material in solutions of systemic insecticides. | 13347 |
| Retention of vaporized lindane by plants and animals. | 13602 | Systemic insecticides evaluated for two-spotted mite control on greenhouse cucumbers. | 13348 |
| Effect of environmental and biological factors on persistence of malathion applied as ultra-low-volume or emulsifiable concentrate to cotton plants. | 13607 | Essential role of chemicals in crop protection. in: FAO symposium on integrated pest control, Rome, 1965. proceedings. SB951. P62. | 13356 |
| The new florissil: a statistical evaluation for chlorinated pesticides. | 13633 | Some new efficient preparations to control thrips and <i>Aphis gossypii</i> on cotton. | 13361 |
| Determination of carbaryl and some other carbamates by gas chromatography. | 13674 | Bioassay of insecticides for control of <i>Drosophila melanogaster</i> . | 13369 |
| INSECTICIDE RESISTANT INSECTS | | Metabolism of O-phenyl-O'-(4-nitrophenyl) methylphosphonothionate (Colep) in plants and animals. | 13555 |
| Inheritance of ether resistance in <i>Drosophila melanogaster</i> . | 13152 | Metabolism of 2-chloro-1-(2,4,5-trichlorophenyl)vinyl dimethyl phosphate in the dog and rat. | 13575 |
| Necessary research and priorities: Resistance to insecticides. | 13172 | Toxic hazards from the use of insecticides in the control of <i>Aedes aegypti</i> . | 13576 |
| Resistance to insecticides in <i>Aedes aegypti</i> and related species. | 13173 | Dynamics of organochlorine insecticides in vertebrates and ecosystems. | 13593 |
| Development of resistance by the tobacco budworm to endrin and carbaryl. | 13296 | Some effects of molecular structure upon anticholinesterase and insecticidal activity of substituted phenyl N-methylcarbamates. | 13643 |
| Resistance to organochlorine insecticides in the tuber flea beetle, <i>Epithrix tuberis</i> Gert (Coleoptera: Chrysomelidae), in British Columbia. | 13304 | Preparation and biological activity of the isomers of dimethyl-1,3-dicarbomethoxy-1-propen-2-yl phosphate (80myl). | 13649 |
| Studies on the susceptibility of certain stored products insects to bacterial insecticides. 1. tests with Sakthane L-69. | 13489 | Synthesis, biological activities, and properties of the syn and anti exo-3-chloro-endo-6-cyano-2-norbornanone O-methylcarbamoyloximes. absolute structure of transid miticide. | 13651 |
| INSECTICIDE SYNERGISTS | | Method for combating insects with 5-formamido-1-naphthyl N-methylcarbamate. patent 3,323,989. | 13652 |
| Determination of piperonyl butoxide by gas chromatography. | 13645 | Insecticidal and fungicidal usage of beta-arylamino cinnaoyl compounds. patent 3,355,351. | 13659 |
| INSECTICIDES | | Sulfur-containing carbamate insecticides. patent 3,349,115. | 13682 |
| Metabolism of 2-methyl-2-(methylthio)propionaldehyde O-(methylcarbamoyl)oxime (Temik, UC-21149) in insects. | 13016 | How we modified a back pack sprayer for ULV insecticide applications. | 13694 |
| Insecticide mode of action. effect of dieldrin on ion movement in the nervous system of <i>Periplaneta americana</i> and <i>Blattella germanica</i> cockroaches. | 13054 | | |
| Photodecomposition of dieldrin and aldrin. | 13056 | | |
| Azobenzene carbamates as insecticides. | 13069 | | |
| Topical toxicity of several chlorinated hydrocarbon, organophosphorus, and carbamate insecticides to <i>Lygus hesperus</i> . | 13083 | | |
| Insecticide hemolysis. | 13086 | | |

SUBJECT INDEX

LABORATORY ANIMALS

| | | | |
|---|-------|---|-------|
| INSECTS | | | |
| Disease agents affecting livestock in British Honduras. I. internal and external parasites. | 13473 | posium on integrated pest control, Rome, 1965. proceedings. SB951. P62. | 13335 |
| Chlorinated hydrocarbon insecticide residues in selected insects and birds found in association with cotton fields. | 13540 | Effectiveness of gamma irradiation for control of five species of stored-product insects. | 13500 |
| A foot-controlled device using carbon dioxide for the anesthetization of insects. | 13690 | IRRIGATION | |
| A versatile, highly sensitive activity recorder for insects. | 13696 | Influence of sprinkler irrigation and four forage crops on populations of soil microorganisms including those antagonistic to <i>Sclerotium rolfsii</i> Sacc. | 13222 |
| INSPECTION (AGRICULTURAL PRODUCTS) | | ISOLEUCINE | |
| Inspector's manual. AS951.A5052. | 13522 | Method of producing an antibiotic grisonomycin B. patent 3,332,843. | 13688 |
| INTEGRATED CONTROL (INSECTS) | | ISOMERS | |
| Integrated control and public health entomology. in: FAO symposium on integrated pest control, Rome, 1965. proceedings. SB951. P62. | 13167 | Preparation and biological activity of the isomers of dimethyl-1,3-dicarboxymethoxy-1-propen-2-yl phosphate (Bomyl). | 13649 |
| Nature of agrobiocenosis and significance to integrated control. in: FAO symposium on integrated pest control, Rome, 1965. proceedings. SB951. P62. | 13306 | Synthesis, biological activities, and properties of the syn and anti exo-3-chloro-endo-6-cyano-2-norbornanone O-methylcarbamoyloximes. absolute structure of tranditicide. | 13651 |
| Possibilities for utilization of entomopathogenic microorganisms in integrated control. in: FAO symposium on integrated pest control, Rome, 1965. proceedings. SB951. P62. | 13336 | ISONIAZID | |
| Integrated house fly control: populations of fly larvae and predaceous mites, <i>Macrocheles muscaedomesticae</i> , in poultry manure after larvicide treatment. | 13491 | Isoniazid toxicosis in ducklings; studies on pyridoxine, niacin, glutamic acid, and arginine supplementation. | 13412 |
| INTERSEXUALITY | | ISOPTERA | |
| Intersexuality in mosquitoes. (Abstract). | 13015 | Records of the orthopteroid insects in Ontario. | 12994 |
| Use of lethal temperature in the study of effects of thermal treatments on the development of several primary sexual characters in the triploid intersexed <i>Drosophila melanogaster</i> Meig. | 13078 | ISOTOPES | |
| Effect of temperature on the degree of intersexuality in <i>Lymantria dispar</i> L. | 13151 | Handling plants for macro-autoradiography, in: isotopes in weed research; proceedings of a symposium Vienna 25-29 October 1965. s589.s9. | 13397 |
| INTESTINES | | Seminar session on current problems in weed research and possible application of nuclear techniques. in: Isotopes in weed research; proceedings of a symposium Vienna 25-29 October 1965. s589.s9. | 13398 |
| The distribution and localization of digestive enzymes in the alimentary canal and salivary glands of the cotton stainer, <i>Lysdercus fasciatus</i> . | 13072 | Recent research on the fate of herbicides in crop plants. in: Isotopes in weed research; proceedings of a symposium Vienna 25-29 October 1965. s589.s9. | 13404 |
| IONS | | Behavior of 14-C-labelled diesel oil in different soils. in: Isotopes in weed research; proceedings of a symposium Vienna 25-29 October 1965. s589.s9. | 13518 |
| Insecticide mode of action. effect of dieldrin on ion movement in the nervous system of <i>Periplaneta americana</i> and <i>Blattella germanica</i> cockroaches. | 13054 | Possible appearance of degradation products of paraquat in crops. in: Isotopes in weed research; proceedings of a symposium, Vienna, 25-29 October 1965. s589.s9. | 13629 |
| Ion movements and water transport in the rectum of the locust <i>Schistocerca gregaria</i> . | 13133 | JAPAN | |
| IOXNYL | | The industry in Japan. | 13697 |
| The effect of 4-hydroxy-3,5-diodobenzonitrile (ioxnyl) on respiratory electron transport in <i>Vicia faba</i> L. | 13400 | KALE | |
| IPS AVULSUS | | Note on the effect of sample moisture content on extraction of TDE from kale. | 13533 |
| Ips bark beetle attacks and brood development on a lightning-struck pine in relation to its physiological decline. | 13298 | KINETICS | |
| IPS CALLIGRAPHUS | | Kinetic organization of Lepidoptera chromosomes. | 13144 |
| Ips bark beetle attacks and brood development on a lightning-struck pine in relation to its physiological decline. | 13298 | KINETIN | |
| IPS GRANICOLLIS | | Effect of benzimidazole and kinetin on the nicotinamide nucleotide content of senescing wheat leaves. | 13626 |
| Ips bark beetle attacks and brood development on a lightning-struck pine in relation to its physiological decline. | 13298 | KININS | |
| IPS PLASTOGRAPHUS | | Vasoactive peptides in venoms. | 13591 |
| Ips plastographus (Coleoptera: Scolytidae) tunnelling in sapwood of lodgepole pine in California. | 13344 | LABORATORY ANIMALS | |
| IRRADIATION | | Cancer inducing agents. | 13444 |
| Inherited partial sterility among survivors from irradiation-eradication experiment. | 13154 | Common disease problems in laboratory animals. | 13459 |
| Possible use of the sterile-male technique for control of <i>Aedes aegypti</i> . | 13184 | Comparative toxicity of rodenticides. | 13502 |
| Use of alternative biological control schemes. in: FAO sym- | | Metabolism of chlorinated insecticides. in: Radioisotopes in the detection of pesticide residues; proceedings of a panel, Vienna, 12-16 April 1965. SB953.P32. | 13551 |
| | | The retention of triphenyltin and dieldrin and its relevance to the toxic effects of multiple dosing. in: Radioisotopes in the detection of pesticide residues; proceedings of a panel, Vienna, 12-16 April 1965. S953.P32. | 13585 |

SUBJECT INDEX

- LACTIC ACID BACTERIA**
- LACTIC ACID BACTERIA**
Sterilization of barley malt with gamma radiation. 13506
- LACINNES**
Method of inhibiting growth of undesired vegetation. patent 3,352,662. 13396
- LAMBS**
Feeder lamb response to cortisone acetate and diethylstilbestrol. 13420
The significance of Nematodirus in New Zealand. 13469
- LARIX LARICINA**
The larch sawfly in the northern transitional forest of central Canada. 13375
- LARVAE**
A taxonomic separation of larvae of the genus Sitophilus by head capsule morphology (Coleoptera: Curculionidae). 12957
Observations on larval habitats and the winter biomics of some common species of Culicoides (Diptera: Ceratopogonidae) in the central Columbian Basin. 12986
Preferred Aedes aegypti larval habitats in urban areas. 13023
A comparative study of larval embryogenesis in the mosquito Culex fatigans Wiedemann (Diptera: Culicidae) and the sheep-fly, Lucilia sericata Meigen (Diptera: Calliphoridae). i. description of embryonic development. 13030
Nutritional relationships in larvae of Oryzaephilus surinamensis. 13031
Interruption of diapause and rearing larvae of Culiseta melanura (Ceg). 13055
Dehydrogenase in carbohydrate metabolism in larvae of the silkworm, Bombyx mori L. 13059
Experimental evidence for a hormonal control of digestion in the tsetse fly, Glossina morsitans Westwood: a study of the larva, pupa, and teneral adult fly. 13077
Characteristics of a larval proteinase of Calliphora erythrocephala Meigen. 13094
Effect of population density on the larval coloration and development of larva and pupa in the larger pellucid hawk moth, Cephenodes hylas L (Lepidoptera: Sphingidae). 13115
The relationship of the fatty acid composition of Heliothis zea larvae to that of its diet. 13117
On the hydrogen-ion concentration in the alimentary canal and blood of phytophagous larval Lepidoptera. 13128
Maxillary glands of some coleopteran larvae. 13130
Occurrence of the larvae of "harvest or scrub itch-mites" (Acarina, Trochididae) on a scorpion. 13135
Observations on Culex pipiens larvae infested with Vorticella sp. 13180
Control of mosquito adults and larvae with ultra-low volume aerial applications of Baygon and Baygon-Baytex mixture. 13188
The effect of various factors on larval emergence from cysts of Heterodera glycines. 13390
Insecticidal and fungicidal usage of beta-arylamino cinnamoyl compounds. patent 3,355,351. 13659
A mechanical harvester for collecting larvae of the wheat stem sawfly. 13700
- LARVICIDES**
Insecticides for use against Aedes aegypti. 13181
The larvicidal activity of several liquid detergents and quaternary ammonium compounds. 13190
Integrated house fly control: populations of fly larvae and predaceous mites, Macrocheles muscaedomesticae, in poultry manure after larvicide treatment. 13491
- LASIODERMA SEBBICOENSE**
Factors affecting adult survival and fecundity in Lasioderma serricorne (F.) (Coleoptera, Anobiidae). 13081
- LATEX VIRUS (APPLES)**
Apple latent virus 2 is Sowhane mosaic virus. 13206
- LEAF BOST (WHEAT)**
An inhibitory effect of light on the infection by brown leaf rust of wheat. 13292
Genetics of resistance to leaf rust in the common wheat varieties Webster, Loros, Brevit, Carina, Malakof, and Centenario. 13319
Inheritance of virulence in wheat leaf rust on the standard differential wheat varieties. 13367
- LEAF SPOT (BLUE LOPINE)**
The Stemphylium leaf spot complex on blue lopine. 13287
- LEAF SPOT (SUGAR BEETS)**
Symptoms of Cercospora leaf spot of sugar beets influenced by light intensity. 13215
Cercospora leaf fleck disease of beets. 13241
- LEGS**
Multipolar stretch receptors and the insect leg reflex. 13048
- LEGUMES**
Host-plant preference of the alfalfa weevil in the field. 13312
Development of 11 isolates of Heterodera glycines on six legumes. (abstract). 13388
- LEIOPHRON**
Some British species of Leicphron Nees (Hymenoptera: Braconidae, Euphorinae), with the description of two new species. 12983
- LEIOPHRON BETEROCODYLLI**
Some British species of Leicphron Nees (Hymenoptera: Braconidae, Euphorinae), with the description of two new species. 12983
- LEIOPHRON OBTORTYLLI**
Some British species of Leicphron Nees (Hymenoptera: Braconidae, Euphorinae), with the description of two new species. 12983
- LEMNS**
Citrus red mite, Panonychus citri (McGregor) (Tetranychidae: Acari), recorded from New South Wales. 13324
- LEPIDOPTERA**
Keys for the identification of Polish insects. XXVII. Lepidoptera. 63. satyridae. 12964
Note about some hidden travelers. 12976
The effect of wind direction on the index of diversity of night flying Lepidoptera in a particular area. 13051
On the hydrogen-ion concentration in the alimentary canal and blood of phytophagous larval Lepidoptera. 13128
Kinetic organization of Lepidoptera chromosomes. 13144
Lepidoptera infesting stored products. in: Smith, C. n. insect colonization and mass production. GL497.56. 13492
- LEPTINOTARSA DECEMLINEATA**
Transplanting cleavage and blastoderm cells in enucleated egg of Leptinotarsa decemlineata (Coleoptera). 13118
- LEPTOTYPHUS SCBOLEBI**
Soil fauna research in the forest of Manres (Var). description of a new species of Leptotyphlus Panv. (Col. Staphylinidae). 12956
- LETHAL FACTOR**
Persistence of lethal genes associated with SD in natural populations of Drosophila melanogaster. 13155

SUBJECT INDEX

MAGNESIUM

| | | | |
|--|-------|---|-------|
| LEUCINE DDT-INDUCED metabolic changes in rat liver. | 13595 | The toxicity of dimethyl 2-(alpha-methylbenzylloxycarbonyl)-1-methylvinyl phosphate (Shell Compound 4294) to livestock. | 13601 |
| LEUCOPHAEA MACEBAE Temperature acclimation and its influence on the electrical activity of the nervous system in three species of cockroaches. | 13004 | LIVESTOCK DISEASES Disease reports of the Southern Conference on Avian Diseases (SCAD) 1966. | 13433 |
| LIGHT Effects on light and sugars on rearing the cotton aphid, <i>Aphis gossypii</i> , on a germ-free and holidic diet. | 13006 | Disease agents affecting livestock in British Honduras. I. internal and external parasites. | 13473 |
| Photodecomposition of dieldrin and aldrin. | 13056 | LOCOMOTION A versatile, highly sensitive activity recorder for insects. | 13696 |
| The circadian flight activity of the mosquito <i>Anopheles gambiae</i> : phase setting by the light regime. | 13068 | LOCUSTA MIGRATORIA Study of the reconstitution of the cuticle as a result of of a tegumentary excision in <i>Locusta migratoria</i> . | 13110 |
| Symptoms of <i>Cercospora</i> leaf spot of sugar beets influenced by light intensity. | 13215 | LONGEVITY A semisynthetic diet for adult banded cucumber beetles. | 13025 |
| Influence of light intensity on the reactions of wheat and barley seedlings to <i>Fuscinia striiformis</i> . | 13275 | Effect of high-amylose field corn on larval growth and survival of five species of stored-grain insects. | 13498 |
| An inhibitory effect of light on the infection by brown leaf rust of wheat. | 13292 | LOSSES How fungi attack material. | 13485 |
| LIGHT SCATTERING Polymerization-depolymerization of tobacco mosaic virus protein. VIII. light-scattering studies. | 13273 | LOUISIANA Distribution of the reniform nematode in relation to crop failure of cotton in Louisiana. | 13380 |
| LIGNINING Ips bark beetle attacks and brood development on a lightning-struck pine in relation to its physiological decline. | 13298 | LOW VOLUME APPLICATION The selection of a solvent for use with low volume aerial spraying of cotton plants. | 13611 |
| LIMONENE Derivatives of (+)-limonene. detection and translocation of quaternary ammonium plant growth retardants in young grapefruit and bean seedlings. | 13627 | Low volume spraying superior, less expensive for planes in Bakersfield, California, district. | 13695 |
| LINDANE Morphological-histological report of the cabbage maggot "Hylemia brassicae (Bch.)" and experiments in chemical control. | 13360 | LUMINESCENCE Toxicity evaluation of air pollutants by use of luminescent bacteria. | 13596 |
| The insects injurious to potatoes. | 13366 | LUPINE The Stephylium leaf spot complex on blue lupine. | 13287 |
| Anaerobic degradation of selected chlorinated hydrocarbon pesticides. | 13513 | LUPINUS AUGUSTIFOLIUS The Stephylium leaf spot complex on blue lupine. | 13287 |
| Translocation of insecticides from soils into pea plants effects of the detergent LAS on translocation and plant growth. | 13553 | LYGAEIDAE The physiological division of labour in the salivary glands of <i>Oncopeltus fasciatus</i> (Dall.) (Heteroptera: Lygaeidae). | 13090 |
| Fate of insecticide residues. decomposition of lindane in soil. | 13574 | LYGUS Lygus bugs. in: Smith, G. N. insect colonization and mass production. GL497.S6. | 13307 |
| Retention of vaporized lindane by plants and animals. | 13602 | LYGUS HESPERUS Topical toxicity of several chlorinated hydrocarbon, organophosphorus, and carbamate insecticides to <i>Lygus hesperus</i> . | 13083 |
| LINDANE ALKYL BENZENE SULFONATE Translocation of insecticides from soils into pea plants effects of the detergent LAS on translocation and plant growth. | 13553 | The selective advantage accruing to lygus bugs that cause blasting of floral parts. | 13373 |
| LINOLENATES The relationship of the fatty acid composition of <i>Helicthis zea</i> larvae to that of its diet. | 13117 | LYGUS LINEOLABIS The selective advantage accruing to lygus bugs that cause blasting of floral parts. | 13373 |
| LIBIODENDEOB TULIPIFEBA Bunt rot in yellow-floral seedling-sprout stands. | 13233 | MACROCHELES MUSCAEOMESTICAE Predation by Pseudopoda vegetans (Acarina: Uropodidae) and Macrocheles muscaedomesticae (Acarina: Macrochelidae) on the eggs of the little house fly, <i>Pannia canicularis</i> . | 12975 |
| LIVES DDT-INDUCED metabolic changes in rat liver. | 13595 | Integrated house fly control: populations of fly larvae and predaceous mites, <i>Macrocheles muscaedomesticae</i> , in poultry manure after larvicide treatment. | 13491 |
| LIVESTOCK Selenium in crops in the United States in relation to selenium-responsive diseases of animals. | 13429 | MACROSIPBUM AVEBAE Apterous aphids in water, wind, and suction traps. | 12972 |
| Comparative toxicity of rodenticides. | 13502 | MAGNESIUM Influence of some environmental factors on the susceptibility of <i>Pisum sativum</i> to <i>Botrytis cinerea</i> . | 13289 |
| Prevention and first aid for livestock poisoned with chemicals. SF757.5.M3. | 13561 | | |
| Effect of ethylene dibromide fumigated feed on animals. SF97.E6. | 13579 | | |
| Hazards of herbicide drift. | 13586 | | |
| Herbicides and their toxicity to livestock. | 13589 | | |

SUBJECT INDEX

- MALARIA**
- MALARIA**
Training aspects of the United States sponsored Aedes aegypti and malaria eradication programs. 13706
- MALATHION**
Evaluation of insecticides against four species of adult mosquitoes in the Panama Canal Zone, 1967. 13157
Responses of Aedes aegypti (L) from Alabama, Georgia and South Carolina to EET, dieldrin, and malathion. 13164
ULV aerial insecticide application for adult mosquito control. 13166
Ultra-low volume and conventional aerial sprays for control of adult salt-marsh mosquitoes, Aedes sollicitans (Walker) and Aedes taeniorhynchus (Wiedemann), in Florida. 13174
The pick-up and penetration of ultra-low-volume and emulsifiable concentrate malathion formulations by tobacco budworm larvae. 13301
Effect of environmental and biological factors on persistence of malathion applied as ultra-low-volume or emulsifiable concentrate to cotton plants. 13607
Analysis of spray deposits on cards dyed with Sudan Black BR: their preparation and use. 13702
- MALLOPHAGA**
Entomology of Antarctica. GL491.67. 12952
Additional synonyms within the amblyceran bird lice (Mallophaga). 12981
- MALT**
Sterilization of barley malt with gamma radiation. 13506
- MANAGEMENT**
Organization and administration of Aedes aegypti control and eradication programs. 13160
- MANGOES**
The attacking habits of Sincylton sordanicum Lesve (Coleoptera: Eostyrychidae). 13334
- MANSONIA**
Evaluation of insecticides against four species of adult mosquitoes in the Panama Canal Zone, 1967. 13157
- MANUALS**
Inspector's manual. aS951.A5052. 13522
- MARKETING RESEARCH**
Pesticide prognosis. 13705
- MARSBES**
Experimental helminthiasis in parasite-free calves on marshland pastures. 13481
- MASTITIS**
Relationships between Wisconsin mastitis test scores and cell counts in milk. 13428
A trial in goats of an inactivated staphylococcal polyvalent somatic antigen vaccine against mastitis. 13430
Bovine adenovirns. 13437
Comparison of the California mastitis test, catalase test, and pF readings on quarter milk samples. 13440
Method of treating bovine mastitis. patent 3,347,743. 13443
Study of bactericidal action of four disinfectants in the control of bovine mastitis. 13445
- MATHEMATICAL ANALYSIS**
Ecology of plant pathogens in scil. VII. mathematical models and inoculum density. 13205
- MEASLES VACCINE**
Distemper immunisation. 13418
- MECHANORECEPTORS**
Multipolar stretch receptors and the insect leg reflex. 13048
- MEDICAL ENTOMOLOGY**
Integrated control and public health entomology. in: FAO Symposium on integrated pest control, Rome, 1965. proceedings. SB951. P62. 13167
- MEGACHILE ROTUNDATA**
Observations on the alfalfa leaf-cutter bee, Megachile rotundata, at Hodgson, Manitoba in 1966. 13112
Seed increase of alfalfa in growth chambers with Megachile rotundata F. 13333
- MEGODONTUS PUBERASCENS TROBENCICUS**
Description of two new subspecies of Carahidae. 12977
- MELANINS**
Natural substrates of the phenoloxidase in the pupal blood of the silkworms, Antheraea pernyi and A. eucalypti. 13040
- MELOIDAE**
Sexual behavior in blister beetles (Coleoptera: Meloidae). II. linsleya convexa. 13121
- MELOIDOGYNE HAPLA**
Resistance of axenic tomato seedlings to Meloidogyne incognita acrita and to M. hapla. 13381
- MELOIDOGYNE INCOGNITA ACBITA**
Influence of potassium chloride on the interrelationship of fungi and a nematode in alfalfa roots. (abstract). 13242
Resistance of axenic tomato seedlings to Meloidogyne incognita acrita and to M. hapla. 13381
- MERCURIC CHLORIDE**
Effect of treating cotton seed with dieldrin, Abavit B, and aldrin on the emergence of pink bollworm moths. 13341
- MERCURIC IODIDE**
Effect of treating cotton seed with dieldrin, Abavit B, and aldrin on the emergence of pink bollworm moths. 13341
- MERCURY COMPOUNDS**
Method of activation analysis for mercury in the biosphere and in foods. An addendum. in: Radioisotopes in the detection of pesticide residues: proceedings of a panel Vienna, 12-16 1965. SB953.P32. 13534
- METABOLISM**
Influence of vitamin D on calcium metabolism and the parathyroid glands of cattle. 13413
Use of 74AS-tagged sodium arsenite in a study of effects of a herbicide on pond ecology. in: Isotopes in weed research; proceedings of a symposium Vienna, 25-29 October 1966. S589.S9. 13509
Plant growth regulant. biochemical behavior of 2-chloroethyl trimethylammonium chloride in wheat and in rats. 13526
Metabolism of radioactive cesium (134Cs and 137Cs) and potassium by dairy cattle as influenced by high and low forage diets. 13548
Metabolism of 2-chloro-1-(2,4,5-trichlorophenyl) vinyl dimethyl phosphate in the dog and rat. 13575
Metabolism and excretion of an insecticide (6-chloro-3,4-dimethylphenyl N-methylcarbamate) in the rat. 13578
Absorption, metabolism, and excretion of tritium-labeled famphur in the sheep and calf. 13583
DDT-INDUCED metabolic changes in rat liver. 13595
Metabolism of C-14-endothall in rats. 13597
Distribution and excretion of dicamba by rats as determined by radiotracer technique. 13599
Effect of environmental and biological factors on persistence of malathion applied as ultra-low-volume or emulsifiable concentrate to cotton plants. 13607
- METABOLITES**
Residues of organochlorine insecticides and their metabolites in soils in the Atlantic Provinces of Canada. 13510
Potential of neutron activation analysis of pesticides and

SUBJECT INDEX

MITES

- metabclites. in: Radioisotopes in the detection of pesticide residues; proceedings of a panel Vienna, 12-16 1965. sE953.P32. 13527
- Fate of 2-methyl-2-(methylthio)propion aldehyde O-(methylcarbamoyl)oxime (Temik) in cotton plants and soil. 13535
- Chlorinated hydrocarbon insecticide residues in selected insects and birds found in association with cotton fields. 13540
- Pentachloronitrobenzene residues in potatoes. 13543
- Spectrophotometric determination of Temik residues in citrus. 13556
- Separation, identification, and measurement of dDT and its metabclites. 13567
- Determination of residues of chloroneb and a metabolite by microocnclometric gas chromatography. 13654
- METAMCBEHCISIS**
- Respiration in *Drosophila melanogaster* in the course of metamorphosis. effect of pparium formation, nymphal molting, and of emergence. 13044
- Ontogeny and comparative radiation sensitivity in the confused flour beetle and strains of the red flour beetle. 13494
- METHANOL**
- Antibiotic product and process of producing same. patent 3,328,248. 13658
- METHIONINE**
- Influence of artificially induced coccidiosis on the methionine requirement of laying hens. 13419
- Effects of dietary DL-METHIONINE on tissue levels of glutathione in hypothyroid chicks. 13427
- METECDOLOGY**
- The development and application of pesticide analysis methods. in: Radioisotopes in the detection of pesticide residues; proceedings of a panel Vienna 12-16 April 1965. sE953.P32. 13684
- METHOXY-2-BENZOXAZOLINONE, 6-**
- Spectrophotoflometric determination of 6-methoxy-2-benzoxazolinone, an indicator of resistance to European corn tater in *Zea mays*. 13308
- METHOXY-3,6-DICHLORO-5-AMINO BENZOIC ACID, 2-**
- Herbicidal composition and method. patent 3,345,157. 13665
- METHYL PARATHION**
- Parathion and methyl parathion residues on cabbage and southern peas. 13546
- METHYL CARBAMYL-OXIMES, O-**
- Synthesis, biological activities, and properties of the syn and anti exo-3-chloro-endo-6-cyano-2-norbornane O-methylcarbamoyloximes. absolute structure of trans isiticide. 13651
- MIBUS**
- Notes on certain species of the genus *Miarus* Stephens (Col. curculionidae). 12985
- MICE**
- Salmonellosis of sheep: use of serum from a vaccinated ewe in a mouse passive protection test. 13426
- Toxicity of some goldenrods. 13605
- Gas chromatographic measurement of disappearance rates of 2,4-D and 2,4,5-T acids and 2,4-D esters in mice. 13606
- MICROANALYSIS**
- Rapid method for surface residues of organophosphorus pesticides by total phosphorus. 13531
- Antibiotic product and process of producing same. patent 3,328,248. 13658
- MICROORGANISMS**
- Alteration of cell wall components during pathogenesis by *Rhizoctonia solani*. in: Mirocha, C. J., and Uritani, I., ed. the dynamic role of molecular constituents in plant-parasite interaction. proceedings, conference held May 15-21, 1966, Gagagori, Japan. sE611.C6. 13208
- Pathogen-produced determinants of disease and their effects on host plants. in: Mirocha, C. J., and Uritani, I., ed. the dynamic role of molecular constituents in plant-parasite interaction. proceedings, conference held May 15-21, 1966, Gagagori, Japan. sE611.C6. 13271
- Fate of insecticide residues. decomposition of lindane in soil. 13574
- Streptonigrin antibiotics and process for their production. patent 3,372,090. 13642
- Biocidal quaternary ammonium sulfamates. patent 3,344,018. 13669
- Quaternary ammonium xanthates. patent 3,324,134. 13677
- Cyclopentadienylimines microbicide. patent 3,328,242. 13679
- Method for combating microorganisms with an alkyl substituted oxazoline. patent 3,366,537. 13687
- MILK**
- Relationships between Wisconsin mastitis test scores and cell counts in milk. 13428
- Comparison of the California mastitis test, catalase test, and pH readings on quarter milk samples. 13440
- Temperature-programmed gas chromatography of 20 phosphorus-containing insecticides on 4 different columns and its application to the analysis of milk and corn silage. 13529
- Determination of residues of Mobil MC-A-600 (benzo(b)thien-4-yl methylcarbamate) and its hydrolysis product (benzo(b)thiophene-4-ol) in coastal bermuda grass and milk. 13530
- Metabolism of radioactive cesium (134Cs and 137Cs) and potassium by dairy cattle as influenced by high and low forage diets. 13548
- Influence of oxytocin on diffusion of sulfonamides from plasma into bovine milk. 13559
- Gas chromatographic determination of fosphur and its oxygen analog residues in bovine milk, blood, and edible tissues. 13562
- MILK FAT**
- Removal of chlorinated insecticide residues from milk fat by molecular distillation. 13525
- MILKING BARNS**
- Anaerobic lagoon treatment of milking-parlor wastes. 13515
- MINERAL OIL**
- Treatment of ringworm in cattle; deaths following the use of a mixture of creosote and tractor vaporising oil. 13411
- The selection of a solvent for use with low volume aerial spraying of cotton plants. 13611
- MINERALS**
- The effects of diet on reproduction in pigs, sheep and cattle. VI: cattle-protein, vitamins, minerals and other dietary substances. 13454
- MINK ENTERITIS VIRUS**
- Feline panleucopaenia virus. in vitro comparison of strains with a mink enteritis virus. 13424
- MITES**
- New oribatids (Acari) from Australian soils. 12932
- Entomology of Antarctica. gL491.G7. 12952
- Predation by *Puscurospoda vegetans* (Acarina: Uropodidae) and *Macrocheles muscaedomesticae* (Acarina: Macrochelidae) on the eggs of the little house fly, *Pannia canicularis*. 12975

SUBJECT INDEX

MITOCHONDRIA

Occurrence of the larvae of "harvest or scrub itch-mites" (Acarina, Trombididae) on a scorpion. 13135

Natural enemies of rust fungi in the tropics. (abstract). 13221

The control of the Carpocapsa pomonella and the fruit acarids. 13303

Field evaluation of Temik against some insects and mites attacking citrus. 13305

The insects injurious to potatoes. 13366

The fauna of stored products in U.A.R. 13490

Integrated house fly control: populations of fly larvae and predaceous mites, Macrocheles muscaedomesticae, in poultry manure after larvicide treatment. 13491

MITOCHONDRIA

The respiratory metabolism of insect flight muscle during adult maturation. 13007

Carbohydrate metabolism in the flight muscle of the southern armyworm moth, Prodenia eridania. 13132

Mitochondrial activities of detached tobacco leaves infected with tobacco mosaic virus: the possible source of energy for virus multiplication. in: Hirocha, C. J., and Oritani, I., ed. the dynamic role of molecular constituents in plant-parasite interaction; proceedings of a conference held May 15-21, 1966, Gamaogori, Japan. SE611.C6. 13236

MOLASSES

Influence of substances and soil treatments on the germination of spores of Cochliobolus sativus. 13219

MOLDS

New findings about fumigant and atmospheric gases in the control of insects and molds in grain. 13483

How fungi attack material. 13485

MOLECULAR BIOLOGY

The dynamic role of molecular constituents in plant-parasite interaction; proceedings of a conference held May 15-21 1966 at Gamaogori, Japan. SE611.C6. 13248

MOLECULAR DISTILLATION

Removal of chlorinated insecticide residues from milk fat by molecular distillation. 13525

MOLECULAR WEIGHT

Antibiotic circulosus and process for producing the same. patent 3,345,262. 13644

MOLECULES

Molecular basis for the genetic regulation and coordination of the differentiation process. 13148

MOLTING (INSECTS)

Normal differential counts of haemocytes in relation to ecdysis and feeding in Rhodnius. 13066

Cortisol and growth in insects. 13093

MONOECISM

Uptake, distribution, and metabolism of monuron and diuron by several plants. 13568

MOROSCO

Some notes on the Bif. 12959

MORTALITY

The analysis of density dependence in studies on insect population regulation. in: FAO Symposium on integrated pest control, Rome, 1965. proceedings. SE951. P62. 12962

Effects on light and sugars on rearing the cotton aphid, Aphis gossypii, on a germ-free and holidic diet. 13006

Anaerobiosis studies with Musca domestica. age and sex differences for survival rate and recovery capability. 13037

Effects of temperature on survival and development of the larch sawfly. (Abstract). 13057

Factors affecting adult survival and fecundity in Lasiocheilus serricornis (F.) (Coleoptera, Anobiidae). 13081

Further studies on the effect of X-irradiation on the house fly, Musca domestica L. 13114

Survival and reproduction in a natural population of the tsetse fly, Glossina palpalis palpalis (Robinson-Desvoidy). 13116

Hibernation of the plum curculio and its spring migration to host trees. 13370

Isoniazid toxicosis in ducklings: studies on pyridoxine, niacin, glutamic acid, and arginine supplementation. 13412

The reaction of calves to helminth infection under natural grazing conditions. II. pathology of terminal disease. 13471

Problems with DDT in fish culture operations. 13536

MOSAIC (CEREALPODIUM)

Apple latent virus 2 is Soybean mosaic virus. 13206

MOSAIC (TOBACCO)

Reactivity of tobacco mosaic virus and its protein toward acetic anhydride. 13228

Polymerization-depolymerization of tobacco mosaic virus protein. X. effect of D2O. 13240

Polymerization-depolymerization of tobacco mosaic virus protein. VIII. light-scattering studies. 13273

MOSAIC (TOMATOES)

Differences in aggressiveness between TMV-ISOLATES from tomato on clones of Lycopersicon peruvianum. 13265

Yield of glasshouse tomatoes as affected by strains of tobacco mosaic virus. 13266

MOSAIC (TURNIPS)

Purification of turnip mosaic virus. 13272

MOSAIC (WHITE CLOVER)

Properties of white clover mosaic virus from Indiana. 13207

MOTHS

Beautiful moths. GL543.M63. 12973

MOUTH PARTS

Maxillary glands of some coleopteran larvae. 13130

MUSCA DOMESTICA

Dietary amino acid and nucleic imbalance leading to altered tumour frequency in the adult housefly, Musca domestica. 13013

The calcium-stimulated incorporation of ethanolamine and serine into the phospholipids of the housefly Musca domestica. 13026

Anaerobiosis studies with Musca domestica. age and sex differences for survival rate and recovery capability. 13037

Photodecomposition of dieldrin and aldrin. 13056

Phospholipase activity in Musca domestica L. 13071

Sexual difference in haemolymph protein of several insects. 13074

Further studies on the effect of X-irradiation on the house fly, Musca domestica L. 13114

Some effects of thermal acclimation on muscle pyruvate activity and mitochondrial number in Periplaneta americana and Musca domestica. 13138

Egg production of house-fly, adults fed human blood containing various supplements. 13163

Integrated house fly control: populations of fly larvae and predaceous mites, Macrocheles muscaedomesticae, in poultry manure after larvicide treatment. 13491

MUSCLE RELAXANTS

Margin of safety of succinylcholine chloride in horses treated with anticholinesterase pesticides. 13434

SUBJECT INDEX

NICKEL

| | | | |
|--|-------|---|-------|
| MUSCLES | | NEMATODIBUS | |
| The respiratory metabolism of insect flight muscle during adult maturation. | 13007 | The significance of Nematodirus in New Zealand. | 13469 |
| Structure, fatigue, and enzyme activities in 'fast' insect muscles. | 13123 | NEOCOELIDIINAE | |
| Carbohydrate metabolism in the flight muscle of the southern armyworm moth, <i>Prodenia eridania</i> . | 13132 | New neotropical Neocoelidiinae with keys to the species of Coelidiana, Xenocoelidia, and Melidina (Homoptera: Cicadellidae). | 12963 |
| Some effects of thermal acclimation on muscle ATPase activity and mitochondrial number in <i>Periplaneta americana</i> and <i>Musca domestica</i> . | 1313B | NEODIPRION SEBTIFEBE | |
| MUTATION | | Biology of the Ichneumonid parasites of Neodiprion sertifer (Geoffroy) (Hymenoptera: Diprionidae) in Europe. | 13108 |
| Induced mutation by gamma ray and neutron in tussah silkworm <i>Antheraea pernyi</i> . | 13105 | NEOPLASMS | |
| MYCOPLASMA GALLISEPTICUM | | Dietary amino acid and nucleic imbalance leading to altered tumour frequency in the adult housefly, <i>Musca domestica</i> . | 13013 |
| Cleaning experiment on respiratory mycoplasmosis in breeding chickens with chlortetracycline. | 13465 | A further study of neoplasms in abattoir sheep. | 13463 |
| HYMENOPTERA | | NEOPHOCHILONEURUS | |
| Research of Hymenoptera Chalcidoidea. VI. genera and species new to the Italian entomofauna (Encyrtidae, Aphelinidae, Mymaromidae). | 12996 | Research of Hymenoptera Chalcidoidea. VI. genera and species new to the Italian entomofauna (Encyrtidae, Aphelinidae, Mymaromidae). | 12996 |
| MYZUS PERSICAE | | NERVES | |
| Gustation of dietary amino acids by the aphid <i>Myzus persicae</i> . | 13091 | Phenomena of excitation and inhibition in the last abdominal ganglion of the cockroach, <i>Periplaneta americana</i> L. | 13019 |
| Effect of amino acid and sugar concentrations on the food uptake of the aphid <i>Myzus persicae</i> . | 13092 | The effects of acetylcholine at the synaptic and somatic levels in the case of the last abdominal ganglion of the cockroach <i>Periplaneta americana</i> . | 13020 |
| MOSQUITOES | | Facebaker for tracheal ventilation in the cockroach, <i>Periplaneta americana</i> (L.). | 13042 |
| Evaluation of insecticides against four species of adult mosquitoes in the Panama Canal Zone, 1967. | 13157 | NERVOUS SYSTEM | |
| ULV aerial insecticide application for adult mosquito control. | 13166 | Temperature acclimation and its influence on the electrical activity of the nervous system in three species of cockroaches. | 13004 |
| Ultra-low volume and conventional aerial sprays for control of adult salt-marsh mosquitoes, <i>Aedes sollicitans</i> (Walker) and <i>Aedes taeniorhynchus</i> (Wiedemann), in Florida. | 13174 | Studies on the neurosecretory system and the functional significance of NSM in the aortal wall of the hng, <i>Dysdercus koenigii</i> . | 13035 |
| MORMONIELLA VITRIFERENS | | Insecticide mode of action. effect of dieldrin on ion movement in the nervous system of <i>Periplaneta americana</i> and <i>Blattella germanica</i> cockroaches. | 13054 |
| Characteristics of phenol oxidases in <i>Mormoniella vitrifera</i> (Walker). | 13043 | NET BLOTCH (BARLEY) | |
| NATURAL CONTROL (INSECTS) | | Note on the effect of N, P, and K in several Alberta soils on the resistance of gateway barley to the net blotch disease. | 13261 |
| The analysis of density dependence in studies on insect population regulation. in: FAO symposium on integrated pest control, Rome, 1965. proceedings. SB951. P62. | 12962 | NEUROPTERA | |
| NAUPHOETA CINEREA | | Collecting note about certain Neuroptera Planipennia from central France. | 12949 |
| The nature of haemolymph proteins in relation to the ovarian cycle in the viviparous cockroach, <i>Nauphoeta cinerea</i> . | 13002 | NEUTRON ACTIVATION ANALYSIS | |
| NECROTIC BING SPOT (PEACHES) | | Potential of neutron activation analysis of pesticides and metabolites. in: Radioisotopes in the detection of pesticide residues; proceedings of a panel Vienna, 12-16 1965. SB953.P32. | 13527 |
| Reactions of peach trees and peach tree viruses to treatment with dimethyl sulfide and other chemicals. | 13262 | Method of activation analysis for mercury in the biosphere and in foods. An addendum. in: Radioisotopes in the detection of pesticide residues; proceedings of a panel Vienna, 12-16 1965. SB953.P32. | 13534 |
| NELIDINA | | NEUTRONS | |
| New neotropical Neocoelidiinae with keys to the species of Coelidiana, Xenocoelidia, and Melidina (Homoptera: Cicadellidae). | 12963 | Induced mutation by gamma ray and neutron in tussah silkworm <i>Antheraea pernyi</i> . | 13105 |
| NEMATOCIDES | | NEW JERSEY | |
| Influence of nematocidal treatments on nematode populations. | 13384 | Further records of New Jersey aphids (Homoptera: Aphididae). | 12968 |
| NEMATODES | | NEWCASTLE DISEASE | |
| Nematode parasites of Cnclidae and Chaoboridae in Louisiana. | 13022 | The influence of Bi Newcastle disease vaccine upon immunity by revaccination with tissue culture Newcastle disease vaccine. | 13417 |
| Preliminary observations on the incidence and biology of a nematode of <i>Aedes sollicitans</i> (Walker) in Louisiana. | 13177 | NEWCASTLE DISEASE VIRUS | |
| Preparing nematode-free banana 'seed'. | 13386 | Response of pigeons to eight strains of Newcastle disease virus. | 13407 |
| Acuaria spirales (dispharynx-nasuta) in a dog. | 13472 | NICKEL | |
| Oxygen influence on egg production by a parasitic nematode. | 13478 | Nickel-63 foil in a standard concentric cell for electron-capture detection. | 13691 |

SUBJECT INDEX

NICOTINAMIDE

NICOTINAMIDE

Effect of benzimidazole and kinetin on the nicotinamide nucleotide content of senescing wheat leaves.

13626

NICOTINIC ACID

Isoniazid toxicosis in ducklings: studies on pyridoxine, niacin, glutaric acid, and arginine supplementation.

13412

Biosynthesis of nicotinic acid by *Fusarium oxysporum* Schlecht.

13612

NITROGEN

Anaerobiosis studies with *Musca domestica*. age and sex differences for survival rate and recovery capability.

13037

Note on the effect of N, P, and K in several Alberta soils on the resistance of gateway barley to the net blotch disease.

13261

Effects of nitrogen fertilization on cotton under boll weevil attack in North Carolina.

13352

New findings about fumigant and atmospheric gases in the control of insects and molds in grain.

13483

Travel of nitrogen in soils.

13516

The effect of various nitrogen sources on growth of *Botrytisphaeria ribis* in vitro. (abstract).

13613

NITROGEN COMPOUNDS

Method for the control of undesirable vegetation. patent 3,330,640.

13399

NOCTICOLA ELEDEI

A new species of *Nocticola* coming from a cave in the Transvaal (*Dictyoptera* *Nocticolidae*).

12941

NOMENCLATURE

The generic names of the butterflies and their type-species, (*Lepidoptera*: *Rhopalocera*).

12954

NORBORNENE

Substituted norbornene herbicides. patent 3,324,147.

13640

NOSEMA DISEASE

A survey of *Nosema* disease in package bees, queens, and attendant bees entering Manitoba (1963-1966).

13065

NUCLEIC ACIDS

Dietary amino acid and nucleic imbalance leading to altered tumour frequency in the adult housefly, *Musca domestica*.

13013

NUCLEOTIDES

Effect of benzimidazole and kinetin on the nicotinamide nucleotide content of senescing wheat leaves.

13626

O-PHENYL-C'-4-NITROPHENYL METHYLPHOSPHONOTRIOXIDE

Metabolism of O-phenyl-O'--(4-nitrophenyl) methylphosphonothioate (Colep) in plants and animals.

13555

OATS

Fraser cats.

13279

ODONATA

Data concerning the Hungarian dragonfly fauna (*Odonata*).

12934

OESOPHAGOSTOMIASIS

Farm-to-farm transmission of porcine *Oesophagostomiasis*.

13477

OESOPHAGOSTOMID

Farm-to-farm transmission of porcine *Oesophagostomiasis*.

13477

OKRA

The susceptibility of four varieties of okra, *Bibiscus esculentus* L, to cotton bollworms infestation (*Lepidoptera*: *Acontiidae* and *Gelechiidae*).

13368

OLIVE OIL

Determination of rogor and dieldrin by the isotope dilution method. in: Radioisotopes in the detection of pesticide residues; proceedings of a panel, Vienna, 12-16 April 1965. SE953.F32.

13524

ONCOPELTUS FASCIATUS

The physiological division of labour in the salivary glands of *Oncopeltus fasciatus* (Dall.) (*Heteroptera*: *Lygaeidae*).

13090

ONIONS

Selective media to distinguish between two *Botrytis* species on onion.

13253

Studies on the biology of *Botrytis allii* on *Allium cepa*.

13281

OOGENESIS

Changes in electrophoretic properties of haemolymph and terminal oocyte proteins during vitellogenesis in the American cockroach.

13100

ORGANOPHOSPHORUS COMPOUNDS

Topical toxicity of several chlorinated hydrocarbon, organophosphorous, and carbamate insecticides to *Lygus hesperus*.

13083

Evaluation of insecticides for control of the sugar-beet maggot in Manitoba.

13297

Entomological-biological report of the cabbage maggot "*Hylemia brassicae* (Sch.)" and experiments in chemical control.

13360

Method for the control of undesirable plant life. patent 3,356,484.

13401

Method for pre-emergence control of undesirable plant life. patent 3,350,192.

13402

Temperature-programmed gas chromatography of 20 phosphorus-containing insecticides on 4 different columns and its application to the analysis of milk and corn silage.

13529

Rapid method for surface residues of organophosphorus pesticides by total phosphorus.

13531

DDT problem at a glance.

13532

DEF. in: Zweig, Analytical methods for pesticides, plant growth regulators, and food additives. vol. iv. herbicides. 395 Z9.

13554

New extraction system for residue analyses.

13565

The use of *Polsomia finetaria* and *Drosophila melanogaster* as test insects for the detection of insecticide residues.

13566

A rapid specific method for the gas chromatographic determination of organophosphate pesticides in cold pressed citrus oils.

13569

Toxic hazards from the use of insecticides in the control of *Aedes aegypti*.

13576

Effects of pesticides on osmoregulatory ability of estuarine fauna.

13600

Preparation and biological activity of the isomers of dimethyl-1,3-dicarbomethoxy-1-propen-2-yl phosphate (*Bosyl*).

13649

The gas chromatographic determination of organophosphorus pesticides. II. a comparative study of hydrolysis rates.

13667

Phosphorus containing pesticidal composition and method of use. patent 3,336,188.

13676

ORNBENTAL PLANTS

Insects of the season 1966 related to fruit, vegetables and ornamentals.

13325

Economically important nematodes in Ontario, 1966..

13391

ORTOPTERA

Records of the orthopteroid insects in Ontario.

12994

ORYZAEPRILLUS SDRINAMENSIS

Nutritional relationships in larvae of *Oryzaephilus surinamensis*.

13031

- OSCILLIGRAPHS**
Responses of tarsal hairs of the bluebottle, *Calliphora erythrocephala* Meig., to sugar and water. 13102
- OSMOSIS**
Effects of pesticides on osmoregulatory ability of estuarine fauna. 13600
- OSTRINIA NUBILALIS**
Ostrinia nubilalis Hubner, injurious to globe artichoke in Egypt (Lepidoptera: Pyralidae). 13300
- Spectrophotofluorometric determination of 6-methoxy-2-benzoxazolinone, an indicator of resistance to European corn borer in Zea mays. 13308
- OLEMA MELANOPUS**
Status of the cereal leaf beetle, *Oulema melanopus* (L.) (Coleoptera: Chrysomelidae) in North America. 13379
- OVARIES**
The nature of haemolymph proteins in relation to the ovarian cycle in the viviparous cockroach, *Nauphoeta cinerea*. 13002
- Ovaricle development in worker honey bees. (Abstract). 13064
- A simple method of mosquito ovary dissection. 13088
- Effect of apholate on reproductive organ of the female silkworm, *Bombyx mori*, with special reference to histopathological observation of the ovaries. 13136
- Influence of age on ovarian function in *Drosophila melanogaster*. 13140
- OVIDUCTS**
An outbreak of oviduct adenocarcinoma in laying hens. 13451
- OVULATION**
Some consequences of copulation in *Rhodnius prolixus*. 13029
- Non-specificity of the male factor enhancing egg-laying in Diptera. 13079
- Factors affecting the oviposition of *Aedes aegypti*. 13137
- Lygus bugs. in: Smith, C. n. insect colonization and mass production. gl497.S6. 13307
- Boll weevils. in: Smith, C. n. insect colonization and mass production. gl497.S6. 13323
- OXAZOLINES**
Method for combating microorganisms with an alkyl substituted oxazoline. patent 3,366,537. 13687
- OXYDATION**
Toxicity evaluation of air pollutants by use of luminescent bacteria. 13596
- Shifts in oxidative metabolism during pathogenesis. in: Mirocha, C. J., and Uritani, I., ed. the dynamic role of molecular constituents in plant-parasite interaction. proceedings, conference held May 15-21, 1966, Gamagori, Japan. SB611.C6. 13621
- OXYGEN**
Oxygen influence on egg production by a parasitic nematode. 13478
- New findings about fumigant and atmospheric gases in the control of insects and molds in grain. 13483
- OXYTOCIN**
Influence of oxytocin on diffusion of sulfonamides from plasma into bovine milk. 13559
- OZONE**
Toxicity evaluation of air pollutants by use of luminescent bacteria. 13596
- PALEXORISTA**
A revision of the oriental species of *Palexorista* Townsend (Diptera: Tachinidae, Sturmiini). 12944
- PAMPHAGIDAE**
Review and preliminary diagnosis of some Pamphagidae and Acrididae from Iran (Orth. acridoidea). 12946
- PANONYCHUS CITRI**
Citrus red mite, *Panonychus citri* (McGregor) (Tetranychidae: Acari), recorded from New South Wales. 13324
- PANONYCHUS OLEAE**
Population sampling for integrated control. in: FAO symposium on integrated pest control, Rome, 1965. proceedings. SB951. P62. 13376
- PARAGUAT**
Review of the metabolism and decomposition of diguat and paraguat. 13541
- Adsorption of bipyridylum herbicides in soil. 13571
- Possible appearance of degradation products of paraguat in crops. in: Isotopes in weed research; proceedings of a symposium, Vienna, 25-29 October 1965. s589.S9. 13629
- PARASITES**
Common disease problems in laboratory animals. 13459
- PARASITIC INSECTS**
Additional synonyms within the amblyceran bird lice (Mallophaga). 12981
- A catalogue of the hymenopterous and dipterous parasites of *Chilo zonellus* (Swinhoe) (Crambidae: Lepidoptera). 12989
- Biology of the Ichneumonid parasites of *Neodiprion sertifer* (Geoffroy) (Hymii Diprionidae) in Europe. 13108
- The small berry sawfly (*Pristiphora pallipes* Lep), a lesser known pest of gooseberries. 13229
- New records of hymenopterous parasites from *Achaea janata* Linn (Lepidoptera: Noctuidae), a serious pest of castor, (*Bacinus communis*). 13343
- A review of hymenopterous parasites of citrus pest aphids of the world and biological control projects (Hym., Aphidoidea). 13371
- PARASITISM**
The analysis of density dependence in studies on insect population regulation. in: FAO symposium on integrated pest control, Rome, 1965. proceedings. SB951. P62. 12962
- Nematode parasites of Cnecidae and Chaoboridae in Louisiana. 13022
- Preliminary observations on the incidence and biology of a mermithid nematode of *Aedes sollicitans* (Walker) in Louisiana. 13177
- Solute and water relations during infection. II. obligate parasites: effect on the movement of solutes and water. in: Mirocha, C. J., and Uritani, I., ed. the dynamic role of molecular constituents in plant-parasite interaction. proceedings, conference held May 15-21, 1966, Gamagori, Japan. SB611.C6. 13226
- The dynamic role of molecular constituents in plant-parasite interaction; proceedings of a conference held May 15-21 1966 at Gamagorgi, Japan. SB611.C6. 13248
- Bole of parasite enzyme and toxins in development of characteristic symptoms in plant disease. in: Mirocha, C. J., and Uritani, I., ed. the dynamic role of molecular constituents in plant-parasite interaction. proceedings, conference held May 15-21, 1966, Gamagori, Japan. SB611.C6. 13255
- Influence of host-parasite interactions on proteins enzymes, and resistance. in: Mirocha, C. J., and Uritani, I., ed. the dynamic role of molecular constituents in plant-parasite interaction. proceeding, conference held May 15-21, 1966, Gamagori Japan. SB611.C6. 13274
- Importance of an interdisciplinary approach. in: FAO symposium on integrated pest control, Rome, 1965. proceedings. SB951. P62. 13327
- Some aspects about helminth parasites of *Sus domestics* Linnaeus, 1758, from the State of Bahia, Brazil. 13470
- Metabolic shifts during infection. III. carbon dioxide fixation in the dark as a nutritional factor in parasitism. in: Mirocha, C. J., and Uritani, I., ed. the dynamic role

SUBJECT INDEX

PARATHION

| | | | |
|--|-------|---|-------|
| of molecular constituents in plant-parasite interaction. proceedings, conference held May 15-21, 1966, Gamaagori, Japan. £E611.C6. | 13625 | Streptonigrin antibiotics and process for their production. patent 3,372,090. | 13642 |
| PARATHION | | Antibiotic cicloerosins and process for producing the same. patent 3,345,262. | 13644 |
| Morphological-biological report of the cabbage maggot "Hylemia brassicae (Bch.)" and experiments in chemical control. | 13360 | Herbicidal composition and method employing substituted carbanilates. patent 3,333,947. | 13647 |
| The insects injurious to potatoes. | 13366 | Substituted carbanilate herbicides. patent 3,334,130. | 13648 |
| Control of pink bollworm larvae with soil-applied insecticides. | 13378 | Herbicidal composition and method. patent 3,345,151. | 13650 |
| Parathion and methyl parathion residues on cabbage and southern peas. | 13546 | Method for combating insects with 5-formamido-1-naphthyl N-methylcarbamate. patent 3,323,989. | 13652 |
| PARATHYROID GLANDS | | Fungicidal n-substituted derivatives of halogenated. salicylideneimines. patent 3,357,883. | 13656 |
| Influence of vitamin D on calcium metabolism and the parathyroid glands of cattle. | 13413 | Antibiotic product and process of producing same. patent 3,328,248. | 13658 |
| PARASSIDS | | Insecticidal and fungicidal usage of beta-arylamino cinnamoyl compounds. patent 3,355,351. | 13659 |
| Types and typids of Parassids (s. l.) found in the Paris Museum (Lep. papilionidae) (concl.). | 12935 | Derivatives of pyridazone and a method for their use as herbicides. patent 3,360,357. | 13660 |
| PARTHENOGENESIS | | Pyridazone derivatives and their use as herbicides. patent 3,341,317. | 13661 |
| Formation of sexuparae in the aphid, Eriosoma pyricola, on pear roots. | 13122 | Pyridazone derivatives and herbicidal compositions containing them. patent 3,323,893. | 13662 |
| PARTICLE SIZE DETERMINATION | | Herbicidal compositions. patent 3,333,943. | 13663 |
| The selection of a solvent for use with low volume aerial spraying of cotton plants. | 13611 | Herbicidal composition and method. patent 3,343,938. | 13664 |
| Analysis of spray deposits on cards dyed with Sudan Black BB: their preparation and use. | 13702 | Herbicidal composition and method. patent 3,345,157. | 13665 |
| PASTEURIZATION | | Herbicidal composition and method. patent 3,333,946. | 13666 |
| Sterilization of barley malt with gamma radiation. | 13506 | Thiol-phosphoric acid esters fungitoxic agents. patent 3,357,882. | 13668 |
| PASTURES | | Biocidal quaternary ammonium sulfates. patent 3,344,018. | 13669 |
| Experimental helminthiasis in parasite-free calves on marshland pastures. | 13481 | Fungicidal compositions and methods. patent 3,345,258. | 13670 |
| PATENTS | | Pharmaceutical compositions and methods utilizing 2-aminoadamantane and its derivatives. patent 3,328,251. | 13671 |
| Method of inhibiting growth of undesired vegetation. patent 3,352,662. | 13396 | Antiviral antibiotic from trichoderma todisca and method of producing same. patent 3,323,996. | 13673 |
| Method for the control of undesirable vegetation. patent 3,330,640. | 13399 | Compositions and methods of use of dihalogenated alkane amides. patent 3,332,845. | 13675 |
| Method for the control of undesirable plant life. patent 3,356,484. | 13401 | Phosphorus containing pesticidal composition and method of use. patent 3,336,188. | 13676 |
| Method for pre-emergence control of undesirable plant life. patent 3,350,192. | 13402 | Quaternary ammonium xanthates. patent 3,324,134. | 13677 |
| Method for inhibiting growth of undesirable plants. patent 3,334,950. | 13403 | Process for controlling fungi with anthraquinone derivatives. patent 3,326,750. | 13678 |
| Herbicidal composition and method. patent 3,355,278. | 13405 | Cyclopentadienylimines microbicide. patent 3,328,242. | 13679 |
| Herbicidal composition and method. patent 3,330,641. | 13406 | Method of controlling microbes by means of tetrahalocyclopentadienyldiamines. patent 3,341,405. | 13680 |
| Immunizing pigs against hog cholera with selected strains of live virus diarrhea virus and preparation of virus diarrhea virus hyper-immune hog cholera serum. patent 3,346,456. | 13408 | Herbicidal method employing trichlorobenzoyloxyalkyl esters of chlorinated aliphatic acids. patent 3,338,703. | 13681 |
| Bovine vibriosis vaccine and method of administering same. patent 3,329,573. | 13422 | Sulfur-containing carbamate insecticides. patent 3,349,115. | 13682 |
| Antifungal antibiotic and method of producing same. patent 3,350,726. | 13435 | Method of controlling plant growth. patent 3,336,131. | 13683 |
| Method of treating bovine mastitis. patent 3,347,743. | 13443 | Method and composition for controlling fungi. patent 3,323,984. | 13685 |
| Method of protecting the offspring of a herd of breeding swine from turbinata atrophy. patent 3,336,190. | 13452 | Pesticidal wettable powder formulation. patent 3,342,581. | 13686 |
| Treatment of fruits and the like to inhibit decay. patent 3,347,683. | 13486 | Method for combating microorganisms with an alkyl substituted oxazoline. patent 3,366,537. | 13687 |
| Contact avicides. patent 3,340,142. | 13592 | | |
| Process for plant defoliation. patent 3,359,092. | 13614 | | |
| Substituted norbornene herbicides. patent 3,324,147. | 13640 | | |
| Pesticidal halocyclopentadiene adducts. patent 3,356,688. | 13641 | | |

SUBJECT INDEX

PESTICIDE ANALYSIS

- Method of producing an antibiotic quinomycin B. patent 3,352,843. 13688
- PEACHES**
Reactions of peach trees and peach tree viruses to treatment with dimethyl sulfoxide and other chemicals. 13262
Gas chromatographic determination of captan residues. 13550
- PEANUTS**
Effects of three soil-inhabiting fungi on axenic peanut plants. (abstract). 13216
- PEARHILLEET**
Studies on the susceptibility of different varieties of sorghum, maize and bajra to *Chilo zonellus* (Swinhoe) under field and cage conditions and the methods of determining it. 13340
- PEARS**
An area control program for the pear psylla. 13311
The performance, phytotoxicity and persistence of three petroleum oils for control of the pear psylla. 13346
- PEAS**
Isolation, incidence, and virulence of *Ascochyta* spp. of peas from the soil. 13285
Influence of some environmental factors on the susceptibility of *Pisum sativum* to *Botrytis cinerea*. 13289
Translocation of insecticides from soils into pea plants effects of the detergent LAS on translocation and plant growth. 13553
Studies on the regulation of cellulase activity and growth in excised pea epicotyl sections. 13615
The effects of indoleacetic acid and 2,4-dichlorophenoxyacetic acid on intermediary metabolism of ¹⁴C-labelled organic acids by pea root tips. 13620
Isolation of a novel auxin, methyl 4-chloroindoleacetate from immature seeds of *Pisum sativum*. 13624
- PENTACHLOROCYCLOHEXANONE**
Effect of treating cotton seed with dieldrin, Abavit B, and aldrin on the emergence of pink bollworm moths. 13341
The susceptibility of four varieties of okra, *Hibiscus esculentus* L, to cotton bollworm infestation (*Lepidoptera*: Acontiidae and Gelechiidae). 13368
Control of pink bollworm larvae with soil-applied insecticides. 13378
- PESTICIDE ANALYSIS**
A new dieldrin from Greece (*Col. cerambycidae*). 12938
- PENICILLIUM**
Metabolism of chlorinated insecticides. in: Radioisotopes in the detection of pesticide residues; proceedings of a panel, Vienna, 12-16 April 1965. SB953.P32. 13551
- PENTACHLOROCYCLOHEXANONE**
Photodecomposition of dieldrin and aldrin. 13056
- PENTACHLOROCYCLOHEXANONE**
Pentachloronitrobenzene residues in potatoes. 13543
- PENTACHLOROCYCLOHEXANONE**
Pentachloronitrobenzene residues in potatoes. 13543
Determination of pentachlor in crops and soil by electron-capture gas chromatography. 13558
- PENTACHLOROCYCLOHEXANONE**
A contribution to the knowledge of the diapause in *Perillus hioculatus* (Fabr) (Heteroptera, Pentatomidae). 13063
- PEPTIDES**
Vasactive peptides in venoms. 13591
- PERILLUS HIOCULATUS**
A contribution to the knowledge of the diapause in *Perillus hioculatus* (Fabr) (Heteroptera, Pentatomidae). 13063
- PERIPLANETA AMERICANA**
Temperature acclimation and its influence on the electrical activity of the nervous system in three species of cockroaches. 13004
Phenomena of excitation and inhibition in the last abdominal ganglion of the cockroach, *Periplaneta americana* L. 13019
The effects of acetylcholine at the synaptic and somatic levels in the case of the last abdominal ganglion of the cockroach *Periplaneta americana*. 13020
Pacemaker for tracheal ventilation in the cockroach, *Periplaneta americana* (L.). 13042
Multipolar stretch receptors and the insect leg reflex. 13048
Insecticide mode of action. effect of dieldrin on ion movement in the nervous system of *Periplaneta americana* and *Blattella germanica* cockroaches. 13054
Sexual difference in haemolymph protein of several insects. 13074
Changes in electrophyretic properties of haemolymph and terminal oocyte proteins during vitellogenesis in the American cockroach. 13100
Structure, fatigue, and enzyme activities in 'fast' insect muscles. 13123
Some effects of thermal acclimation on muscle pyruvate activity and mitochondrial number in *Periplaneta americana* and *Musca domestica*. 13138
- PEROSPORA TABACINA**
Cryogenic storage of conidia of *Peronospora tabacina*. (abstract). 13214
- PERSIAN WALNUTS**
Bacterial phloem canker, a new disease of Persian walnut trees. 13290
- PERSISTENCE**
The determination of DDT deposited on cotton plants in an airspray trial in Tanzania. 13286
Effect of environmental and biological factors on persistence of malathion applied as ultra-low-volume or emulsifiable concentrate to cotton plants. 13607
- PERTHANE**
An area control program for the pear psylla. 13311
- PEST CONTROL**
Persistent pesticides. 2. 13557
Pest control's 7th annual industry economic forecast fast track for '68. 13704
Federal committee on pest control. 13708
- PEST CONTROL OPERATORS**
Pest control's 7th annual industry economic forecast fast track for '68. 13704
- PESTICIDE ANALYSIS**
Aldrin adsorption by soils and clays. 13521
Gas chromatographic analysis of 3-hydroxy-N-methyl-cis-crotonamide dimethyl phosphate (Azodrin) and 3-hydroxy-N,N-dimethyl-cis-crotonamide dimethyl phosphate (Bidrin). 13528
Temperature-programmed gas chromatography of 20 phosphorus-containing insecticides on 4 different columns and its application to the analysis of milk and corn silage. 13529
Determination of residues of Mobil MC-A-600 (benzo(b)thien-4-yl methylcarbamate) and its hydrolysis product (benzo(b)thiophene-4-ol) in coastal Bermuda grass and milk. 13530
Rapid method for surface residues of organophosphorus pesticides by total phosphorus. 13531
Note on the effect of sample moisture content on extraction

SUBJECT INDEX

PESTICIDE APPLICATION

- of TDE from kale. 13533
- Method of activation analysis for mercury in the biosphere and in foods. An addendum. in: Radioisotopes in the detection of pesticide residues; proceedings of a panel Vienna, 12-16 1965. SB953.P32. 13534
- Colorimetric determination of Alar residues in apples. 13539
- Pentachloronitrobenzene residues in potatoes. 13543
- Additional cleanup of samples on GLC column for TLC determination of pesticide residues. 13545
- Gas chromatographic determination of captan residues. 13550
- Chloranil. in: Zweig, Analytical methods for pesticides, plant growth regulators, and food additives. vol. iii. fungicides, nematocides, and soil fumigants, rodenticides, and food and feed additives. 395 Z9. 13552
- DEF. in: Zweig, Analytical methods for pesticides, plant growth regulators, and food additives. vol. iv. herbicides. 355 Z9. 13554
- Determination of terrachlor in crops and soil by electron-capture gas chromatography. 13558
- Determination of chlorocholine chloride residues in wheat grain, straw, and green wheat foliage. 13560
- Distribution of p,p'-DDT residues in adipose and muscle tissues of beef cattle. 13564
- New extraction system for residue analyses. 13565
- Separation, identification, and measurement of DDT and its metabolites. 13567
- A rapid specific method for the gas chromatographic determination of organophosphate pesticides in cold pressed citrus oils. 13569
- Problems in WHO on pesticide residues. in: Radioisotopes in the detection of pesticide residues; proceedings of a panel Vienna 12-16 April 1965. SB953.P32. 13570
- Report on herbicides and plant growth regulators. 13573
- Chemical and physical nature of plant cuticles in relation to the deposition and penetration of pesticides. in: Radioisotopes in the detection of pesticide residues; proceedings of a panel, Vienna, 12-16 April 1965 SB953. P32. 13623
- Derivatives of (+)-limonene. detection and translocation of quaternary ammonium plant growth retardants in young grapefruit and bean seedlings. 13627
- The new flcristil: a statistical evaluation for chlorinated pesticides. 13633
- Gas chromatographic analysis of the insect attractant cneure and related compounds. 13637
- Ascending paper chromatography: A way to do it. 13646
- Identification of the aldrin artifact. 13653
- Determination of residues of chloroneb and a metabolite by microcoulometric gas chromatography. 13654
- Determination of carbaryl and some other carbamates by gas chromatography. 13674
- The development and application of pesticide analysis methods. in: Radioisotopes in the detection of pesticide residues; proceedings of a panel Vienna 12-16 April 1965. SB953.P32. 13684
- Nickel-63 foil in a standard concentric cell for electron-capture detection. 13691
- PESTICIDE APPLICATION
- Low volume spraying superior, less expensive for planes in Bakersfield, California, district. 13695
- Analysis of spray deposits on cards dyed with Sudan Black BB: their preparation and use. 13702
- Federal committee on pest control. 13708
- PESTICIDE RESIDUES
- New findings about fumigant and atmospheric gases in the control of insects and molds in grain. 13483
- Aldrin adsorption by soils and clays. 13521
- The joint FAO/WHO programme on the toxicity of pesticide residues in food. in: Radioisotopes in the detection of pesticide residues; proceedings of a panel Vienna 12-16 April 1965. SB953.P32. 13523
- Determination of rogor and cidal by the isotope dilution method. in: Radioisotopes in the detection of pesticide residues; proceedings of a panel, Vienna, 12-16 April 1965. SB953.P32. 13524
- Potential of neutron activation analysis of pesticides and metabolites. in: Radioisotopes in the detection of pesticide residues; proceedings of a panel Vienna, 12-16 1965. SB953.P32. 13527
- Method of activation analysis for mercury in the biosphere and in foods. An addendum. in: Radioisotopes in the detection of pesticide residues; proceedings of a panel Vienna, 12-16 1965. SB953.P32. 13534
- A survey of organic chloride impurities in food grade hydrochloric acid. 13537
- A report on residues in food. 13538
- Colorimetric determination of Alar residues in apples. 13539
- Pentachloronitrobenzene residues in potatoes. 13543
- Additional cleanup of samples on GLC column for TLC determination of pesticide residues. 13545
- Unintentional biological effects of pesticide application. (Summary). in: FAO symposium on integrated pest control, Rome, 1965. Proceedings. SB951. P62. 13547
- Chloranil. in: Zweig, Analytical methods for pesticides, plant growth regulators, and food additives. vol. iii. fungicides, nematocides, and soil fumigants, rodenticides, and food and feed additives. 395 Z9. 13552
- Spectrophotometric determination of Temik residues in citrus. 13556
- Persistent pesticides. 2. 13557
- Determination of chlorocholine chloride residues in wheat grain, straw, and green wheat foliage. 13560
- New extraction system for residue analyses. 13565
- Food and health - the safe use of pesticides. 13577
- Problems in FAO on human and animal intoxication. in: radioisotopes in the detection of pesticide residues; proceedings of a panel Vienna 12-16 April 1965. SB953.P32. 13603
- Chemical and physical nature of plant cuticles in relation to the deposition and penetration of pesticides. in: Radioisotopes in the detection of pesticide residues; proceedings of a panel, Vienna, 12-16 April 1965 SB953. P32. 13623
- Derivatives of (+)-limonene. detection and translocation of quaternary ammonium plant growth retardants in young grapefruit and bean seedlings. 13627
- Nickel-63 foil in a standard concentric cell for electron-capture detection. 13691
- PESTICIDES
- A.v.c. agreport. 2. 13191
- Index of phytosanitary products, catalog of active materials and commercial specialties. ed. 6. S585.a02 1967. 13192
- Use of alternative biological control schemes. in: FAO symposium on integrated pest control, Rome, 1965. proceedings. SB951. P62. 13335
- Margin of safety of succinylcholine chloride in horses treated with anticholinesterase pesticides. 13434

SUBJECT INDEX

PHOTOPERIODISM

- Secretary Freeman announces pesticide decontamination program. 13511
- Anaerobic degradation of selected chlorinated hydrocarbon pesticides. 13513
- Inspector's manual. AS951.A5052. 13522
- Persistent pesticides. 2. 13557
- Prevention and first aid for livestock poisoned with chemicals. SF757.5.N3. 13561
- Disposal and decontamination of agricultural chemical containers. 13588
- Effects of pesticides on osmoregulatory ability of estuarine fauna. 13600
- Biochemical toxicology. 13604
- Russian drug index. ed. 2. RS91 .J3. 13638
- Resistance of carcinogenic organic compounds to oxidation by activated sludge. 13639
- Pesticidal halocyclopentadiene adducts. patent 3,356,688. 13641
- Biocidal quaternary ammonium sulfamates. patent 3,344,018. 13669
- Cyclopentadienylimines microbicide. patent 3,328,242. 13679
- Pesticidal wettable powder formulation. patent 3,342,581. 13686
- Pesticide prognosis. 13705
- Florida chemical communication pilot project. 13707
- PETHOLEOM**
The performance, phytotoxicity and persistence of three petroleum oils for control of the pear psylla. 13346
- PRAENICIA SERICATA**
A comparative study of larval embryogenesis in the mosquito *Culex fatigans* Wiedemann (Diptera: Culicidae) and the sheep-fly, *Lucilia sericata* Meigen (Diptera: Calliphoridae). I. description of embryonic development. 13030
- PRAEMACCLGY**
Comparative pharmacology of some animal toxins. 13594
- PREASANIS**
Method of activation analysis for mercury in the biosphere and in foods. An addendum. in: Radioisotopes in the detection of pesticide residues: proceedings of a panel Vienna, 12-16 1965. SB953.F32. 13534
- PRENOLASES**
The activation of prophenoloxidase during melanization of the pupal blood of the Chinese silk moth, *Antheraea pernyi*. 13039
- Natural substrates of the phenoloxidase in the pupal blood of the silkworms, *Antheraea pernyi* and *A. eucalypti*. 13040
- Characteristics of phenol oxidases in *Mormoniella vitripennis* (Walker). 13043
- Some effects of molecular structure upon anticholinesterase and insecticidal activity of substituted phenyl N-methylcarbamates. 13643
- PRENOIS**
The occurrence of acid hydrolyzable phenolics in relation to Fusarium wilt disease in tomato plants. 13283
- PHEMTRIOATE**
Determination of rogor and chlordane by the isotope dilution method. in: Radioisotopes in the detection of pesticide residues: proceedings of a panel, Vienna, 12-16 April 1965. SB953.F32. 13524
- PHENYL N-METHYLCARBAMATES**
Some effects of molecular structure upon anticholinesterase and insecticidal activity of substituted phenyl N-methylcarbamates. 13643
- PHENYLALANINE**
Dietary amino acid and nucleic acid balance leading to altered tumour frequency in the adult housefly, *Musca domestica*. 13013
- PHENYLCAHHEAMATES**
Influence of physicochemical properties on biodegradability of phenylcarbamate herbicides. 13549
- PHEROMONES**
Pheromones of the queen honeybee (*Apis mellifera* L.) which enable her workers to follow her when swarming. 13018
- PHILAENOS SPUMABIOS**
The polymorphism in *Philaenus spumarius* (L.) (Hemiptera: Cercopidae) in British Columbia. 13041
- PHOMA**
The Phoma organisms causing gangrene of potatoes. 13212
- PHOBATE**
Control of pink bollworm larvae with soil-applied insecticides. 13378
- PHOBIA BEGIMA**
Phospholipase activity in *Musca domestica* L. 13071
- PHOSPHATES**
Rapid method for surface residues of organophosphorus pesticides by total phosphorus. 13531
- Persistent pesticides. 2. 13557
- The toxicity of dimethyl 2-(alpha-methylbenzoyloxycarbonyl)-1-methylvinyl phosphate (Shell Compound 4294) to livestock. 13601
- PHOSPHOLIPASE**
Phospholipase activity in *Musca domestica* L. 13071
- PHOSPHOLIPIDS**
The calcium-stimulated incorporation of ethanolamine and serine into the phospholipids of the housefly *Musca domestica*. 13026
- Phospholipids in the haemolymph of desert locust, *Schistocerca gregaria* Forskal. 13089
- PHOSPHOBIC ACID**
Contact avicides. patent 3,340,142. 13592
- PHOSPHOBOTHIOIC ACID COMPOUNDS**
Thiol-phosphoric acid esters fungitoxic agents. patent 3,357,882. 13668
- PHOSPOROS**
Note on the effect of N, P, and K in several Alberta soils on the resistance of gateway harley to the net blotch disease. 13261
- PHOTOCHEMISTRY**
Anisic acid esters as knockdown agents. 13008
- Toxicity evaluation of air pollutants by use of luminescent bacteria. 13596
- PHOTOMETRY**
Gas chromatographic analysis of 3-hydroxy-N-methyl-cis-crotonamide dimethyl phosphate (Azodrin) and 3-hydroxy-N,N-dimethyl-cis-crotonamide dimethyl phosphate (Bidrin). 13528
- A rapid specific method for the gas chromatographic determination of organophosphate pesticides in cold pressed citrus oils. 13569
- PHOTOPERIODISM**
Non-dependence of the saturation of depot fat on temperature and photoperiod in a hibernating mosquito. 13050
- Interruption of diapause and rearing larvae of *Cnista melanura* (Coq). 13055
- Formation of sexuparae in the aphid, *Eriosoma pyricola*, on pear roots. 13122
- Influence of daylength on auxin production in flower buds of the lowbush blueberry. 13609

SUBJECT INDEX

PTHALIC COMPOUNDS

PTHALIC COMPOUNDS

Herbicidal composition and method. patent 3,343,938. 13664

PHYTOPTHORA FRAGARIAE

Susceptibility of members of the Rosaceae to races of *Phytophthora fragariae*. 13259

PHYTOPTHORA PALMIVORAE

Black-pod disease of *Theobroma cacao*. (Abstract). 13280

PHYTOPTHORA PARASITICA NICOTIANAE

Effect of soil moisture and soil temperature on black shank disease development in tobacco. 13246

Effect of calcium nutrition on black shank of tobacco. (abstract). 13250

PHYTOSEIIDAE

Population sampling for integrated control. in: FAO symposium on integrated pest control, Rome, 1965. proceedings. SB951. F62. 13376

PHYTOXICITY

Phytotoxicity and wireworm-control efficacy of insecticidal dressings applied to cereal seed up to a year before planting. 13310

PICEA ENGELMANNI

Predatory and energetic relations of woodpeckers to the Engelmann spruce beetle. SB996. W6K6. 13342

PICICIDAE

Determination of the herbicide Tordon (4-amin-3,5,6-trichloropiclinic acid) in soil by electron capture gas chromatography. 13517

PICOLINIC ACID

Biochemical response of plants to toxins produced by the rice blast fungus. in: Mirocha, C. J., and Uritani, I., ed. the dynamic role of molecular constituents in plant-parasite interaction. proceedings, conference held May 15-21, 1966, Gamagori, Japan. SB611.C6. 13278

PIEBIS BRASSICAE

Kinetic organization of Lepidoptera chromosomes. 13144

Purification of a protein from *Bacillus thuringiensis* toxic to larvae of Lepidoptera. 13634

PIGEONS

Response of pigeons to eight strains of Newcastle disease virus. 13407

Contact avicides. patent 3,340,142. 13592

PINUS

Ip bark beetle attacks and brood development on a lightning-struck pine in relation to its physiological decline. 13298

Southern pine beetles. in: Smith, C. N. insect colonization and mass production. GL497.56. 13314

The European pine shoot moth, *Bhyacionia huoliana* (Lepidoptera: Olethreutidae), another introduced forest pest. 13332

PINUS CONTORTA LATIFOLIA

Ip *plasticographus* (Coleoptera: Scolytidae) tunnelling in sapwood of lodgepole pine in California. 13344

PINUS ECHINATA

Histology of *Cercartium quercuum* galls on shortleaf pine. 13238

Simulated Nantucket pine tip moth attacks reduce root development of shortleaf pine seedlings. 13317

PIPEB HETLE

Some new pests of betelvine. 13339

PIPERONYL BUTOXIDE

Determination of piperonyl butoxide by gas chromatography. 13645

PIBICULARIA ORYZAE

Studies on the physiologic races of the rice blast fungus, *Piricularia oryzae* Cav. SB608. R5 C5. 13218

Biochemical response of plants to toxins produced by the

rice blast fungus. in: Mirocha, C. J., and Uritani, I., ed. the dynamic role of molecular constituents in plant-parasite interaction. proceedings, conference held May 15-21, 1966, Gamagori, Japan. SB611.C6. 13278

PIBICULABIN

Biochemical response of plants to toxins produced by the rice blast fungus. in: Mirocha, C. J., and Uritani, I., ed. the dynamic role of molecular constituents in plant-parasite interaction. proceedings, conference held May 15-21, 1966, Gamagori, Japan. SB611.C6. 13278

PLANIPENNIA

Collecting note about certain Neuroptera Planipennia from central France. 12949

PLANT ANATOMY

The dynamic role of molecular constituents in plant-parasite interaction; proceedings of a conference held May 15-21 1966 at Gamagori, Japan. SB611.C6. 13248

PLANT BIOCHEMISTRY

The biochemistry and physiology of infectious plant disease. SB601 .G6. 13234

The occurrence of acid hydrolyzable phenolics in relation to *Fusarium* wilt disease in tomato plants. 13283

The effect of 4-hydroxy-3,5-diodobenzonitrile (ioxynil) on respiratory electron transport in *Vicia faba* L. 13400

Biosynthesis of nicotinic acid by *Fusarium oxysporum* Schlecht. 13612

Biochemical investigations into the effect of DDT on barley. 13622

PLANT BREEDING

Distribution and concentration of HCN in a sorghum-sudan-grass hybrid. 13632

PLANT COMPOSITION

Constituents of the cotton bud. IX. further studies on a polar holl weevil feeding stimulant complex. 13374

PLANT DISEASE CONTROL

Prognosis and signalization as basis in pest and disease control. 13195

Heat treatment and meristem culture for the production of virus-free plant material. 13237

Experiments on controlling strawberry botrytis rot by spraying. SB953.M6. 13251

On heat treatment of *Chrysanthemum morifolium* against *Puccinia horiana*. 13293

Cyclopentadienylimines microbicide. patent 3,328,242. 13679

PLANT DISEASE RESISTANCE

General and specific combining ability in seven inbred strawberry lines. 13197

Influence of environmental temperatures on metabolic alterations related to disease resistance in sweet potato roots infected by black rot. 13201

Factors determining resistance of elms to *Ceratocystis ulmi*. 13227

Effect of soil moisture and soil temperature on black shank disease development in tobacco. 13246

Differential resistance of cell walls of *Acer pseudo-platanus*, *Triticum vulgare*, *Hordeum vulgare*, and *Zea mays* to polysaccharide-degrading enzymes. 13247

Effect of calcium nutrition on black shank of tobacco. (abstract). 13250

How plants fight disease. 13252

Susceptibility of members of the Rosaceae to races of *Phytophthora fragariae*. 13259

Linkage studies on the resistance to bacterial leaf blight, *Xanthomonas oryzae* (Uyeda et Ishiyama) Dowson, in rice. 13269

- Influence of host-parasite interactions on proteins enzymes, and resistance. in: Mirocha, C. j., and Uritani, I., ed. the dynamic role of molecular constituents in plant-parasite interaction. proceeding, conference held May 15-21, 1966, Gamagori Japan. SB611.C6. 13274
- Fraser oats. 13279
- Genetics of resistance to leaf rust in the common wheat varieties Webster, Loros, Brevit, Carina, Malakof. and Centenario. 13319
- Essential role of chemicals in crop protection. in: FAO symposium on integrated pest control, Rome, 1965. proceedings. SE551. F62. 13356
- Shifts in oxidative metabolism during pathogenesis. in: Mirocha, C. j., and Uritani, I., ed. the dynamic role of molecular constituents in plant-parasite interaction. proceeding, conference held May 15-21, 1966, Gamagori, Japan. SB611.C6. 13621
- PLANT DISEASE TRANSMISSION**
- Factors affecting transmission of tristeza virus by melon aphids. 13254
- Evaluation of the relative importance of soil and seed as source of the inculcum of silver scurf of potatoes by means of a regression test. 13270
- The importance of insects to the spreading of oak wilt. 13350
- Dual transmission of tobacco ringspot virus and tomato ringspot virus by *Xiphinema americanum*. 13383
- PLANT DISEASES**
- Diseases and parasites of the vine. ed. 3. SB609.G7 L3 1966. 13193
- Atlas of diseases and pests of vegetables. SB731. A4. 13203
- Ecology of plant pathogens in soil. VII. mathematical models and inculcum density. 13205
- Summary of the prevalence of plant diseases in Canada in 1965. a compilation. 13220
- Solute and water relations during infection. II. obligate parasites: effect on the movement of solutes and water. in: Mirocha, C. j., and Uritani, I., ed. the dynamic role of molecular constituents in plant-parasite interaction. proceedings, conference held May 15-21, 1966, Gamagori, Japan. SB611.C6. 13226
- The biochemistry and physiology of infectious plant disease. SB601. 56. 13234
- The dynamic role of molecular constituents in plant-parasite interaction; proceedings of a conference held May 15-21 1966 at Gamagori, Japan. SB611.C6. 13248
- Role of parasite enzyme and toxins in development of characteristic symptoms in plant disease. in: Mirocha, C. j., and Uritani, I., ed. the dynamic role of molecular constituents in plant-parasite interaction. proceedings, conference held May 15-21, 1966, Gamagori, Japan. SB611.C6. 13255
- Qualitative and quantitative aspects of the graduate curriculum in plant pathology. 13263
- Pathogen-produced determinants of disease and their effects on host plants. in: Mirocha, C. j., and Uritani, I., ed. the dynamic role of molecular constituents in plant-parasite interaction. proceedings, conference held May 15-21, 1966, Gamagori, Japan. SB611.C6. 13271
- The relation of metabolic changes in infected plants to changes in enzymatic activity. in: Mirocha, C. j., and Uritani, I., ed. the dynamic role of molecular constituents in plant-parasite interaction. proceedings, conference held May 15-21, 1966. SB611.C6. 13282
- PLANT ECOLOGY**
- Influence of some environmental factors on the susceptibility of *Pisum sativum* to *Botrytis cinerea*. 13289
- PLANT EXTRACTS**
- Influence of daylength on auxin production in flower buds of the lowbush blueberry. 13609
- PLANT GALLS**
- Histology of *Cronartium quercuum* galls on shortleaf pine. 13238
- Resistance of axenic tomato seedlings to *Meloidogyne incognita acrita* and to *M. hapla*. 13381
- PLANT GENETICS**
- General and specific combining ability in seven inbred strawberry lines. 13197
- Linkage studies on the resistance to bacterial leaf blight, *Xanthomonas oryzae* (Uyeda et Ishiyama) Dowson, in rice. 13269
- Genetics of resistance to leaf rust in the common wheat varieties Webster, Loros, Brevit, Carina, Malakof. and Centenario. 13319
- Inheritance of virulence in wheat leaf rust on the standard differential wheat varieties. 13367
- PLANT GROWTH INHIBITORS**
- Some properties of a germination inhibitor from *Puccinia sorghi* uredospores. (abstract). 13264
- Response of *Heterodera trifolii* in red clover roots to Azaracil and other inhibitors. 13382
- Colorimetric determination of Alar residues in apples. 13539
- Heat-labile growth-inhibiting factors in beans (*Phaseolus vulgaris*). 13619
- Derivatives of (+)-limonene. detection and translocation of quaternary ammonium plant growth retardants in young grapefruit and bean seedlings. 13627
- Fatty alcohol inhibition of tobacco auxiliary and terminal bud growth. 13630
- PLANT HARDINESS**
- Cryogenic storage of conidia of *Peronospora tabacina*. (abstract). 13214
- Effect of Alar on winterhardiness of raspberries. 13616
- PLANT INJURIES**
- Studies on the susceptibility of different varieties of sorghum, maize and bajra to *Chilo zonellus* (Swinhoe) under field and cage conditions and the methods of determining it. 13340
- The selective advantage accruing to lygus bugs that cause blasting of floral parts. 13373
- Possible appearance of degradation products of paraquat in crops. in: Isotopes in weed research; proceedings of a symposium, Vienna, 25-29 October 1965. S589.S9. 13629
- PLANT METABOLISM**
- Influence of environmental temperatures on metabolic alterations related to disease resistance in sweet potato roots infected by black rot. 13201
- The relation of metabolic changes in infected plants to changes in enzymatic activity. in: Mirocha, C. j., and Uritani, I., ed. the dynamic role of molecular constituents in plant-parasite interaction. proceedings, conference held May 15-21, 1966. SB611.C6. 13282
- Recent research on the fate of herbicides in crop plants. in: isotopes in weed research; proceedings of a symposium Vienna 25-29 October 1965. S589.S9. 13404
- Metabolism of carbon-14 trifluralin in carrots. 13542
- Absorption of organochlorine insecticide residues from agricultural soils by root crops. 13544
- Translocation of insecticides from soils into pea plants effects of the detergent LAS on translocation and plant growth. 13553
- Metabolism of O-phenyl-O'-(4-nitrophenyl) methylphosphonothionate (Colep) in plants and animals. 13555

SUBJECT INDEX

PLANT NEMATODE RESISTANCE

| | | | |
|--|-------|--|-------|
| Uptake, distribution, and metabolism of monuron and diuron by several plants. | 13568 | Prognosis and signalization as basis in pest and disease control. | 13195 |
| Metabolism of amino acids in agrobacterium tumefaciens. III. uptake of L-proline. | 13608 | Closed quarantine procedures. | 13196 |
| The effects of indoleacetic acid and 2,4-dichlorophenoxyacetic acid on intermediary metabolism of ¹⁴ C-labelled organic acids by pea root tips. | 13620 | The effect of wheat bug control chemicals on other wheat pests. | 13326 |
| Shifts in oxidative metabolism during pathogenesis. in: Mirocha, C. J., and Uritani, I., ed. the dynamic role of molecular constituents in plant-parasite interaction. proceedings, conference held May 15-21, 1966, Gamagori, Japan. SB611.C6. | 13621 | PLANT PEST RESISTANCE | |
| Metabolic shifts during infection. III. carbon dioxide fixation in the dark as a nutritional factor in parasitism. in: Mirocha, C. J., and Uritani, I., ed. the dynamic role of molecular constituents in plant-parasite interaction. proceedings, conference held May 15-21, 1966, Gamagori, Japan. SB611.C6. | 13625 | Spectrophotofluorometric determination of 6-methoxy-2-benzoxazolinone, an indicator of resistance to European corn borer in Zea mays. | 13308 |
| Degradation of aromatic amino acids by fungi. II. purification and properties of phenylalanine ammonia-lyase from Ustilago hordei. | 13628 | Differential resistance of some maize composites, composite crosses, hybrids, and varieties to Chilo zonellus Swinhoe (Crambidae: Lepidoptera. I. | 13313 |
| PLANT NEMATODE RESISTANCE | | Importance of an interdisciplinary approach. in: FAO symposium on integrated pest control, Rome, 1965. proceedings. SB951. P62. | 13327 |
| Resistance of axenic tomato seedlings to Meloidogyne incognita acrita and to M. hapla. | 13381 | Studies on the susceptibility of different varieties of sorghum, maize and bajra to Chilo zonellus (Swinhoe) under field and cage conditions and the methods of determining it. | 13340 |
| Influence of nematocidal treatments on nematode populations. | 13384 | The susceptibility of four varieties of okra, Hibiscus esculentus L, to cotton bollworms infestation (Lepidoptera: Acontiidae and Gelechiidae). | 13368 |
| PLANT NEMATODES | | Status of the cereal leaf beetle, Oulema melanopus (L.) Coleoptera: Chrysomellidae in North America. | 13379 |
| Influence of potassium chloride on the interrelationship of fungi and a nematode in alfalfa roots. (abstract). | 13242 | PLANT PHYSIOLOGICAL DISEASES | |
| Importance of an interdisciplinary approach. in: FAO symposium on integrated pest control, Rome, 1965. proceedings. SB951. P62. | 13327 | Ips bark beetle attacks and brood development on a lightning-struck pine in relation to its physiological decline. | 13298 |
| The insects injurious to potatoes. | 13366 | PLANT PHYSIOLOGY | |
| Response of Heterodera trifolii in red clover roots to Azauracil and other inhibitors. | 13382 | Influence of certain exoascids on development of the epidermis and the foliar stomatic apparatus of their hosts. | 13224 |
| Dual transmission of tobacco ringspot virus and tomato ringspot virus by Xiphinema americanum. | 13383 | Effects of tomato ringspot virus plant and fruit development of raspberries. | 13230 |
| Influence of nematocidal treatments on nematode populations. | 13384 | The biochemistry and physiology of infections plant disease. sb601 .g6. | 13234 |
| Electron microscopy of a plant-parasitic nematode, Pratylenchus penetrans. (abstract). | 13385 | Simulated Nantucket pine tip moth attacks reduce root development of shortleaf pine seedlings. | 13317 |
| Comparison of the pathogenicity and development of the Va. 2 isolate of Heterodera glycines on Pickett and Lee soybeans. (abstract). | 13387 | Studies on the regulation of cellulase activity and growth in excized pea epicotyl sections. | 13615 |
| Development of 11 isolates of Heterodera glycines on six legumes. (abstract). | 13388 | PLANT PROTECTION | |
| On the occurrence of the burrowing nematode, Radopholus similis (Cobb, 1893) Thorne, 1949, on banana in Kerala. | 13389 | Biological control and alternative control schemes. A. S. Balachowsky and F. Wilson, rapporteurs. in: FAO symposium on integrated pest control, Rome, 1965. proceedings. SB951. P62. | 13320 |
| Economically important nematodes in Ontario, 1966.. | 13391 | Use of pesticides in selective manners. in: FAO symposium on integrated pest control, Rome, 1965. proceedings. SB951. P62. | 13322 |
| PLANT NUTRITION | | Use of alternative biological control schemes. in: FAO symposium on integrated pest control, Rome, 1965. proceedings. SB951. P62. | 13335 |
| Metabolic shifts during infection. III. carbon dioxide fixation in the dark as a nutritional factor in parasitism. in: Mirocha, C. J., and Uritani, I., ed. the dynamic role of molecular constituents in plant-parasite interaction. proceedings, conference held May 15-21, 1966, Gamagori, Japan. SB611.C6. | 13625 | Possibilities for utilization of entomopathogenic microorganisms in integrated control. in: FAO symposium on integrated pest control, Rome, 1965. proceedings. SB951. P62. | 13336 |
| PLANT NUTRITIONAL DEFICIENCIES | | Essential role of chemicals in crop protection. in: FAO symposium on integrated pest control, Rome, 1965. proceedings. SB951. P62. | 13356 |
| Influence of some environmental factors on the susceptibility of Pisum sativum to Botrytis cinerea. | 13289 | Some costs of insect damage and crop protection. in: FAO symposium on integrated pest control, Rome, 1965. proceedings. SB951. P62. | 13372 |
| PLANT PEST CONTROL | | PLANT PROTEINS | |
| Index of phytosanitary products, catalog of active materials and commercial specialties. ed. 6. SB5.A82 1967. | 13192 | Influence of host-parasite interactions on proteins enzymes, and resistance. in: Mirocha, C. J., and Uritani, I., ed. the dynamic role of molecular constituents in plant-parasite interaction. proceeding, conference held May 15-21, 1966, Gamagori Japan. SB611.C6. | 13274 |
| Diseases and parasites of the vine. ed. 3. SB609.G7 L3 1966. | 13193 | | |

SUBJECT INDEX

POTASSIUM

- PLANT QUARANTINE**
 Closed quarantine procedures. 13196
 Insect interceptions made from the seed samples imported and exported for plant introduction work during the period August 1960 to December 1964. 13377
 Status of the cereal leaf beetle, *Oulema melanopus* (L.) Coleoptera: Chrysomellidae in North America. 13379
- PLANT REGULATORS**
 Plant growth regulant. Biochemical behavior of 2-chloroethyl trimethylammonium chloride in wheat and in rats. 13526
 Determination of chlorocholine chloride residues in wheat grain, straw, and green wheat foliage. 13560
 Report on herbicides and plant growth regulators. 13573
 Influence of daylength on auxin production in flower buds of the lowbush blueberry. 13609
 Studies on the regulation of cellulase activity and growth in excised pea epicotyl sections. 13615
 Effect of gibberellin on the free auxin content in the period of spike differentiation of barley. 13618
 Isolation of a novel auxin, methyl 4-chloroindoleacetate from immature seeds of *Fisur sativum*. 13624
 Fatty alcohol inhibition of tobacco auxiliary and terminal bud growth. 13630
 Evaluation of regrowth potential of perennial forage crops using triphenyltetrazolium chloride. 13631
- PLANT SENESCENCE**
 Effect of benzimidazole and kinetin on the nicotinamide nucleotide content of senescing wheat leaves. 13626
- PLANT TAXONOMY**
 Bacterial blight canker, a new disease of Persian walnut trees. 13290
 Proteins and catalase isoenzymes from *Fusarium solani* and their taxonomic significance. 13617
- PLANT TRANSLOCATION**
 Effects of removal of leaves and tops on translocation of potato virus X and potato virus YV in potato plants. 13211
 Solutes and water relations during infection. II. obligate parasites: effect on the movement of solutes and water. in: Hirocha, C. J., and Uritani, I., ed. the dynamic role of molecular constituents in plant-parasite interaction. proceedings, conference held May 15-21, 1966, Gamagori, Japan. SB611.C6. 13226
 Recent research on the fate of herbicides in crop plants. in: isotopes in weed research; proceedings of a symposium Vienna 25-29 October 1965. S589.S9. 13404
 Absorption of organochlorine insecticide residues from agricultural soils by root crops. 13544
 Translocation of insecticides from soils into pea plants effects of the detergent LAS on translocation and plant growth. 13553
 Derivatives of (+)-limonene. detection and translocation of quaternary ammonium plant growth retardants in young grapefruit and bean seedlings. 13627
- PLANT WATER RELATIONS**
 Physiology of wilt disease. in: Mirocha, C. J., and Uritani, I., ed. the dynamic role of molecular constituents in plant-parasite interaction. proceedings, conference held May 15-21, 1966, Gamagori, Japan. SB611.B6. 13225
 Solute and water relations during infection. II. obligate parasites: effect on the movement of solutes and water. in: Mirocha, C. J., and Uritani, I., ed. the dynamic role of molecular constituents in plant-parasite interaction. proceedings, conference held May 15-21, 1966, Gamagori, Japan. SB611.C6. 13226
- PLANTS**
 Handling plants for macro-autoradiography, in: isotopes in weed research; proceedings of a symposium Vienna 25-29 October 1965. S589.S9. 13397
 Retention of vaporized lindane by plants and animals. 13602
- PLODIA INTERPUNCTELLA**
 Studies on the susceptibility of certain stored products insects to bacterial insecticides. I. tests with *Bakthana* L-69. 13489
- PLUMS**
 Hibernation of the plum curculio and its spring migration to host trees. 13370
- POISONING**
 Treatment of ringworm in cattle; deaths following the use of a mixture of creosote and tractor vaporizing oil. 13411
Acacia nilotica (L.) Del. subsp. *kraussiana* (Benth.) Brenan. as a poisonous plant in South Africa. 13457
 Prevention and first aid for livestock poisoned with chemicals. SF757.5.N3. 13561
 Studies on experimental poisoning of agricultural chemicals in dogs. I. experimental poisoning of lowly toxic raticide in dogs. 13587
 Herbicides and their toxicity to livestock. 13589
 Biochemical toxicology. 13604
 Taste preferences in rodenticide development. 13635
 Florida chemical communication pilot project. 13707
- POISONOUS PLANTS**
 Toxicity of some goldenrods. 13605
- POLICIES**
 Secretary Freeman announces pesticide decontamination program. 13511
- POLYHEDROSES**
 The influence of a sub-acute infection of polyhedrosis virus in the cabbage looper on susceptibility to chemical insecticides. 13047
- POLYMERIZATION**
 Polymerization-depolymerization of tobacco mosaic virus protein. X. effect of D20. 13240
 Polymerization-depolymerization of tobacco mosaic virus protein. VIII. light-scattering studies. 13273
- POLYSACCHARIDES**
 Differential resistance of cell walls of *Acer pseudo-platanus*, *Triticum vulgare*, *Bordeum vulgare*, and *Zea mays* to polysaccharide-degrading enzymes. 13247
- PONDS**
 A study of the population of insects emerging as adults from Spettigue's Pond at London, Ontario. 12960
 Use of ⁷⁴As-tagged sodium arsenite in a study of effects of a herbicide on pond ecology. in: Isotopes in weed research; proceedings of a symposium Vienna, 25-29 October 1966. S589.S9. 13509
 Aquatic insects associated with midwestern waste stabilization lagoons. 13514
 Distribution of heptachlor residues in pond ecosystems in southwestern Virginia. 13572
- POPULATION STATISTICS**
 Population sampling for integrated control. in: FAO symposium on integrated pest control, Rome, 1965. proceedings. SB951. F62. 13376
- PORRHEBIA DISPAR**
 Effect of temperature on the degree of intersexuality in *Lymantria dispar* L. 13151
- POTASSIUM**
 Ion movements and water transport in the rectum of the locust *Schistocerca gregaria*. 13133

SUBJECT INDEX

POTASSIUM CHLORIDE

Note on the effect of N, P, and K in several Alberta soils on the resistance of gateway barley to the net blotch disease. 13261

Influence of some environmental factors on the susceptibility of *Fisum sativum* to *Botrytis cinerea*. 13289

POTASSIUM CHLORIDE

Influence of potassium chloride on the interrelationship of fungi and a nematode in alfalfa roots. (abstract). 13242

POTASSIUM ISOTOPES

Metabolism of radioactive cesium (134Cs and 137Cs) and potassium by dairy cattle as influenced by high and low forage diets. 13548

POTATOES

The effect of *Gibberella zeae* on the permeability of potato tuber tissue. 13202

Partial infection with potato virus YN of tubers from primarily infected potato plants. 13210

Effects of removal of leaves and tops on translocation of potato virus Y and potato virus YN in potato plants. 13211

The *Phoma* organisms causing gangrene of potatoes. 13212

Evaluation of the relative importance of soil and seed as source of the inoculum of silver scurf of potatoes by means of a regression test. 13270

Resistance to organochlorine insecticides in the tuber flea beetle, *Epithrix tuberis* Gent (Coleoptera: Chrysomelidae), in British Columbia. 13304

The insects injurious to potatoes. 13366

Pentachlorocritrobenzene residues in potatoes. 13543

POLYMYX

The influence of El Newcastle disease vaccine upon immunity by revaccination with tissue culture Newcastle disease vaccine. 13417

Disease reports of the Southern Conference on Avian Diseases (SCAD) 1966. 13433

Pathogenesis of Marek's disease (Connecticut A isolate). 13462

POLYMYX MANURE

Integrated house fly control: populations of fly larvae and predaceous mites, *Macrocheles muscaedomesticae*, in poultry manure after larvicide treatment. 13491

POLYMYX PRODUCTS

Salmonella associated with further-processed turkey products. 13503

Use of immunofluorescence and animal tests to detect growth and toxin production by *Clostridium botulinum* type E in food. 13507

POLYMYX MILDW (CUCUMBERS)

Electron microscopic observations on haustoria isolated from cucumber leaves infected with polyomyx mildew. 13223

POLYMYX MILDW (STRAWBERRIES)

General and specific combining ability in seven inbred strawberry lines. 13197

POLYMYXUS PENETRANS

Electron microscopy of a plant-parasitic nematode, *Pratylenchus penetrans*. (abstract). 13385

POLYMYXUS FUNGI

Natural enemies of rust fungi in the tropics. (abstract). 13221

POLYMYXUS INSECTS

Predation by *Fuscurospora vegetans* (Acarina: Dropydidae) and *Macrocheles muscaedomesticae* (Acarina: Macrochelidae) on the eggs of the little house fly, *Pannia canicularis*. 12975

Seasonal activity of mosquito predators in woodland pools in Ontario. 13161

A study of the life-cycles and hosts of some Ichneumonidae

attacking pupae of the green oak-leaf roller moth, *Tortrix viridana* (L.) (Lepidoptera: Tortricidae) in England. 13315

Possibilities for utilization of entomopathogenic micro-organisms in integrated control. in: PAO symposium on integrated pest control, Rome, 1965. proceedings. SB951. P62. 13336

New records and discussion of predators of the pear psylla, *Psylla pyricola* Forster, in British Columbia. 13349

PREDATORY BIRDS

Predatory and energetic relations of woodpeckers to the Engelmann spruce beetle. SB996 .W6K6. 13342

Tuberculosis in birds-of-prey. 13415

PRISTIPHORA EBICSONII

Effects of temperature on survival and development of the larch sawfly. (Abstract). 13057

The larch sawfly in the northern transitional forest of central Canada. 13375

PRISTIPHORA PALLIPES

The small berry sawfly (*Pristiphora pallipes* Lep), a lesser known pest of gooseberries. 13229

PROBIVIES

Travel of nitrogen in soils. 13516

PRODENIA ERIDANIA

Azobenzene carbamates as insecticides. 13069

Carbohydrate metabolism in the flight muscle of the southern armyworm moth, *Prodenia eridania*. 13132

PRODENIA LITURA

Contribution to the biology of the cotton leafworm, *Prodenia litura* (F), with reference to larval colouration (Lepidoptera: Noctuidae). 13096

PRODUCTION ECONOMICS

Pest control's 7th annual industry economic forecast track for '68. 13704

PROGRAMMING (COMPUTERS)

The new florasil: a statistical evaluation for chlorinated pesticides. 13633

PROLINE

Metabolism of amino acids in *agrobacterium tumefaciens*. III. uptake of L-proline. 13608

PROPERTIES

Antibiotic cirolerosins and process for producing the same. patent 3,345,262. 13644

Synthesis, biological activities, and properties of the syn and anti exo-3-chloro-endo-6-cyano-2-norbornanone O-methylcarbamoyloximes. absolute structure of transid miticide. 13651

PROPYLENE CARBONATE

New extraction system for residue analyses. 13565

PROTEINASES

Characteristics of a larval proteinase of *Calliphora erythrocephala* Meigen. 13094

PROTEINS

The nature of haemolymph proteins in relation to the ovarian cycle in the viviparous cockroach, *Nauphoeta cinerea*. 13002

Effect of age on (14C) valine turnover into locust wing proteins. 13058

Sexual difference in haemolymph protein of several insects. 13074

Cortisol and growth in insects. 13093

Changes in electrophoretic properties of haemolymph and terminal oocyte proteins during vitellogenesis in the American cockroach. 13100

Reactivity of tobacco mosaic virus and its protein toward acetic anhydride. 13228

SUBJECT INDEX

RADIOACTIVE TRACERS

| | | | |
|---|-------|--|-------|
| Polymerization-depolymerization of tobacco mosaic virus protein. x. effect of D20. | 13240 | PYRETHRUM Determination of piperonyl butoxide by gas chromatography. | 13645 |
| Polymerization-depolymerization of tobacco mosaic virus protein. VIII. light-scattering studies. | 13273 | PYRIDAZONES Derivatives of pyridazone and a method for their use as herbicides. patent 3,360,357. | 13660 |
| The effects of diet on reproduction in pigs, sheep and cattle. VI: cattle-protein, vitamins, minerals and other dietary substances. | 13454 | Pyridazone derivatives and their use as herbicides. patent 3,341,317. | 13661 |
| Destruction of rachitogenic activity of isolated soybean protein by autoclaving as demonstrated with turkey poult. | 13458 | Pyridazone derivatives and herbicidal compositions containing them. patent 3,323,893. | 13662 |
| Studies of DNA, RNA, and protein synthesis in HeLa S cells exposed to DDT and dieldrin. | 13581 | PYRIDINE Antibiotic product and process of producing same. patent 3,328,248. | 13658 |
| DDT-INDUCED metabolic changes in rat liver. | 13595 | PYRIDINE COMPOUNDS Herbicidal composition and method. patent 3,355,278. | 13405 |
| Proteins and catalase isoenzymes from Fusarium solani and their taxonomic significance. | 13617 | PYROVIC ACID The effects of indoleacetic acid and 2,4-dichlorophenoxyacetic acid on intermediary metabolism of ¹⁴ C-labelled organic acids by pea root tips. | 13620 |
| Purification of a protein from Bacillus thuringiensis toxic to larvae of Lepidoptera. | 13634 | QUARANTINE The confinement period required to rid honeybees of foreign sweetclover pollen. | 13358 |
| PRICIZOA Observations on Culex pipiens larvae infested with Vorticella sp. | 13180 | QUATERNARY AMMONIUM COMPOUNDS Derivatives of (+)-limonene. detection and translocation of quaternary ammonium plant growth retardants in young grapefruit and bean seedlings. | 13627 |
| PSYLLA PYRICICOLA An area control program for the pear psylla. | 13311 | Biocidal quaternary ammonium sulfamates. patent 3,344,018. | 13669 |
| The performance, phytotoxicity and persistence of three petroleum oils for control of the pear psylla. | 13346 | Quaternary ammonium xanthates. patent 3,324,134. | 13677 |
| New records and discussion of predators of the pear psylla, Psylla pyricola Forster, in British Columbia. | 13349 | QUATERNARY AMMONIUM XANTRATES Quaternary ammonium xanthates. patent 3,324,134. | 13677 |
| PUBLIC HEALTH Integrated control and public health entomology. in: FAO Symposium on integrated pest control, Rome, 1965. proceedings. SE951. P62. | 13167 | QOERCOS A study of the life-cycles and hosts of some Ichneumonidae attacking pupae of the green oak-leaf roller moth, Tortrix viridana (L.) (Lepidoptera: Tortricidae) in England. | 13315 |
| Food and health - the safe use of pesticides. | 13577 | QUINOMYCIN B Method of producing an antibiotic quinomycin B. patent 3,332,843. | 13688 |
| PUCCINIA GRAMINIS TRITICI Time of stem rust appearance on wheat in the western Mississippi Basin in relation to the development of epidemics from 1921 to 1962. | 13235 | RABBITS Anatomopathological study of lesions caused by intramuscular injection of hydrochloride and phosphate complex of tetracycline. | 13582 |
| PUCCINIA RECCNDITA Effect of Puccinia recondita infection on the RNA composition of wheat leaves. | 13239 | RADIOACTIVE TRACERS Metabolism of 2-methyl-2-(methylthio)propionaldehyde O-(methylcarbamoyl)oxime (Temik, UC-21149) in insects. | 13016 |
| PUCCINIA RECCNDITA TRITICUM Genetics of resistance to leaf rust in the common wheat varieties Webster, Loros, Brevit, Carina, Malakof, and Centenaric. | 13319 | Effect of age on (¹⁴ C)valine turnover into locust wing proteins. | 13058 |
| Inheritance of virulence in wheat leaf rust on the standard differential wheat varieties. | 13367 | Fatty acid composition of the diet and larvae and biosynthesis of fatty acids from ¹⁴ C-acetate in the cabbage looper, Trichoplusia ni. | 13098 |
| PUCCINIA SOBGHII Some properties of a germination inhibitor from Puccinia sorghi varietal species. (abstract). | 13264 | Recent research on the fate of herbicides in crop plants. in: isotopes in weed research; proceedings of a symposium vienna 25-29 October 1965. S589.S9. | 13404 |
| PUCCINIA STELIIFORMIS Influence of light intensity on the reactions of wheat and barley seedlings to Puccinia striiformis. | 13275 | Potential use of tracer methods especially autoradiography in the study of the relation of herbicides to soil biology in: isotopes in weed research; proceedings of a symposium Vienna 25-29 October 1965 S589.S9. | 13512 |
| POPAE Natural substrates of the phenoloxidase in the pupal blood of the silkworms, Antheraea pernyi and A eucalypti. | 13040 | Behavior of ¹⁴ C-labelled diesel oil in different soils. in: Isotopes in weed research; proceedings of a symposium vienna 25-29 October 1965. S589.S9. | 13518 |
| Experimental evidence for a hormonal control of digestion in the tsetse fly, Glossina morsitans Westwood: a study of the larva, pupa, and teneral adult fly. | 13077 | Aldrin adsorption by soils and clays. | 13521 |
| Effect of population density on the larval coloration and development of larva and pupa in the larger pellucid hawk moth, Cephonodes hylas L (Lepidoptera: Sphingidae). | 13115 | Plant growth regulant. biochemical behavior of 2-chloroethyl trimethylammonium chloride in wheat and in rats. | 13526 |
| PYRALIDAE A note on some new host plants of a few pyralids in south India. | 13337 | Fate of 2-methyl-2-(methylthio)propion aldehyde O-(methylcarbamoyl)oxime (Temik) in cotton plants and soil. | 13535 |
| PYRENOPHOEA TERES Note on the effect of N, P, and K in several Alberta soils on the resistance of gateway barley to the net blotch disease. | 13261 | | |

SDRBJCT INDEX

RADIOISOTCPES

| | | | |
|---|-------|---|-------|
| Metabolism of carbon-14 trifluralin in carrots. | 13542 | Taste preferences in rodenticide development. | 13635 |
| Metabolism of radioactive cesium (134Cs and 137Cs) and potassium by dairy cattle as influenced by high and low forage diets. | 13548 | BATTDS NORVEGICUS Taste preferences in rodenticide development. | 13635 |
| Fate of trifluralin in soils and plants. | 13563 | RAW MATERIALS How fungi attack material. | 13485 |
| Uptake, distribution, and metabolism of monuron and diuron by several plants. | 13568 | RECTDM Ion movements and water transport in the rectum of the locust <i>Schistocerca gregaria</i> . | 13133 |
| Metabolism and excretion of an insecticide (6-chloro-3,4-dimethylphenyl N-methylcarbamate) in the rat. | 13578 | RED CLOVER Response of <i>Pterodera trifolii</i> in red clover roots to Azauracil and other inhibitors. | 13382 |
| Absorption, metabolism, and excretion of tritium-labeled fampbur in the sheep and calf. | 13583 | REDDUIDAE Laboratory culture of <i>Triatoma infestans</i> (Klug, 1834) (Hemiptera, Reduviidae). | 13097 |
| The apparent binding of DDT to tissue components. | 13584 | REFLEXES Multipolar stretch receptors and the insect leg reflex. | 13048 |
| Metabolism of C-14-endothall in rats. | 13597 | RENIFORM NEMATODE Distribution of the reniform nematode in relation to crop failure of cotton in Louisiana. | 13380 |
| Distribution and excretion of dicamba by rats as determined by radiotracer technique. | 13599 | REPRODUCTION A semisynthetic diet for adult banded cucumber beetles. | 13025 |
| Metabolism of amino acids in <i>Agrobacterium tumefaciens</i> . III. uptake of L-proline. | 13608 | Survival and reproduction in a natural population of the tsetse fly, <i>Glossina palpalis palpalis</i> (Robinson-Desvoidy). | 13116 |
| Techniques used in the application of a 14C labelled herbicide. in: isotopes in weed research; proceedings of a symposium, Vienna, 25-29 October 1965. s589.s9. | 13610 | Formation of sexuparae in the aphid, <i>Eriosoma pyricola</i> , on pear roots. | 13122 |
| The effects of indoleacetic acid and 2,4-dichlorophenoxyacetic acid on intermediary metabolism of 14C-labelled organic acids by pea root tips. | 13620 | Seminal loss in repeatedly mated female <i>Aedes aegypti</i> . | 13127 |
| Amitricole decomposition by free radical-generating systems and by soils. | 13657 | Genetic control of <i>Aedes aegypti</i> . | 13162 |
| Determination of carbaryl and some other carbamates by gas chromatography. | 13674 | The effects of diet on reproduction in pigs, sheep and cattle. VI: cattle-protein, vitamins, minerals and other dietary substances. | 13454 |
| RADIOISOTCPES The development and application of pesticide analysis methods. in: Radioisotopes in the detection of pesticide residues: proceedings of a panel Vienna 12-16 April 1965. s8953.P32. | 13684 | REPRODUCTIVE ORGANS Experimental study of development in the male reproductive system of <i>Tenebrio molitor</i> (Coleoptera, Tenebrionidae). | 13060 |
| RADOPHOLDS SIMILIS On the occurrence of the burrowing nematode, <i>Radopholus similis</i> (Cobb, 1893) Thorne, 1949, on banana in Kerala. | 13389 | Effect of apholate on reproductive organ of the female silkworm, <i>Bombyx mori</i> , with special reference to histopathological observation of the ovaries. | 13136 |
| RAINFALL A preventive boll weevil control program applied to a ten-square-mile area within an untreated county. | 13354 | RESEARCH Research needs and priorities: genetics. | 13146 |
| RARE GASES Method of treating bovine mastitis. patent 3,347,743. | 13443 | Necessary research and priorities: Resistance to insecticides. | 13172 |
| RASPBERRIES Effects of tomato ringspot virus plant and fruit development of raspberries. | 13230 | Research needs and priorities: Genetic control, including the sterile-male technique. | 13183 |
| Effect of Alar on winterhardiness of raspberries. | 13616 | RESPIRATION Pacemaker for tracheal ventilation in the cockroach, <i>Periplaneta americana</i> (L.). | 13042 |
| RATS Some observations on the probable damage caused by rats in Bombay. | 13501 | RESPIROMETERS Description of a method for measuring the respiratory exchange in the entire insect. | 13010 |
| Plant growth regulant. Biochemical behavior of 2-chloroethyl trimethylammonium chloride in wheat and in rats. | 13526 | Respiration in <i>Drosophila melanogaster</i> in the course of metamorphosis. effect of puparium formation, nymphal molting, and of emergence. | 13044 |
| Metabolism of 2-chloro-1-(2,4,5-trichlorophenyl)vinyl dimethyl phosphate in the dog and rat. | 13575 | RETICULOENDOTHELIOSIS Nodular hyperplasia of the ovine spleen. | 13425 |
| Metabolism and excretion of an insecticide (6-chloro-3,4-dimethylphenyl N-methylcarbamate) in the rat. | 13578 | REVIEWS Micro-organisms in the root region of wheat. literature review. | 13231 |
| The apparent binding of DDT to tissue components. | 13584 | Herbicides and their toxicity to livestock. | 13589 |
| Histological studies of tests in rats treated with certain insect chemosterilants. | 13590 | | |
| DDT-INDUCE metabolic changes in rat liver. | 13595 | | |
| Metabolism of C-14-endothall in rats. | 13597 | | |
| Distribution and excretion of dicamba by rats as determined by radiotracer technique. | 13599 | | |

SUBJECT INDEX

ROOTS

- RHIZOCTONIA SOLANI**
Effect of antagonists on growth and survival of *Rhizoctonia solani* in soil. 13204
- Alteration of cell wall components during pathogenesis by *Rhizoctonia solani*. in: Mirocha, C. J., and Uritani, I., ed. the dynamic role of molecular constituents in plant-parasite interaction. proceedings, conference held May 15-21, 1966, Gamagori, Japan. sE611.C6. 13208
- Soybean root and stem rot caused by *Rhizoctonia solani*, 1966. 13243
- Comparative survival of monobasidial cultures of *Thanatephorus cucumeris* in soil. 13256
- RHIZOPECTHA DOMINICA**
Effect of high-amylose field corn on larval growth and survival of five species of stored-grain insects. 13498
- RHIZOTROGUS**
Rhizotrogus of the pini group (Col. scarabaeidae). description of a new species from Spain. 12933
- RHOBIUS RHODIUS**
Some consequences of copulation in *Rhobnius prolixus*. 13029
- Normal differential counts of haemocytes in relation to ecdysis and feeding in *Rhobnius*. 13066
- RHOPIALIDAE**
The higher classification of the family *Rhopalidae* (Hemiptera). 12942
- RHOPIALIDAE**
The generic names of the butterflies and their type-species, (Lepidoptera: *Rhopalocera*). 12954
- Chromosome formulae of Lepidoptera *Rhopalocera* from North Africa. 13149
- RHOPIALOSIPHUM FITCHII**
Apterous aphids in water, wind, and suction traps. 12972
- RHOPIALOSIPHUM MAILIS**
Apterous aphids in water, wind, and suction traps. 12972
- RHYACIONIA HUOLIANA**
The European pine shoot moth, *Rhyacionia huoliana* (Lepidoptera: Olethreutidae), another introduced forest pest. 13332
- RHYNCHEFCHEBA**
Experiments on the control of sisal weevils by dipping planting material in solutions of systemic insecticides. 13347
- RHYZOPETHA DOMINICA**
Effectiveness of gamma irradiation for control of five species of stored-product insects. 13500
- RIBONUCLEASE**
Purification and properties of acid ribonucleases from posterior silk gland of silkworm. 13075
- RIBONUCLEIC ACID**
Effect of *Rhizoctonia recondita* infection on the RNA composition of wheat leaves. 13239
- Some properties of the double-standard RNA of rice dwarf virus. in: Mirocha, C. J., and Uritani, I., ed. the dynamic role of molecular constituents in plant-parasite interaction. proceedings, conference held May 15-21, 1966, Gamagori, Japan. sE611.C6. 13276
- Response of *Heterodera trifolii* in red clover roots to Azauracil and other inhibitors. 13382
- Studies of DNA, RNA, and protein synthesis in HeLa S cells exposed to DDT and dieldrin. 13581
- DDT-INDUCED metabolic changes in rat liver. 13595
- RICE**
A.v.c. report. 2. 13191
- Linkage studies on the resistance to bacterial leaf blight, *Xanthomonas oryzae* (Uyeda et Ishiyama) Dowson, in rice. 13269
- Some properties of the double-standard RNA of rice dwarf virus. in: Mirocha, C. J., and Uritani, I., ed. the dynamic role of molecular constituents in plant-parasite interaction. proceedings, conference held May 15-21, 1966, Gamagori, Japan. sE611.C6. 13276
- Biochemical response of plants to toxins produced by the rice blast fungus. in: Mirocha, C. J., and Uritani, I., ed. the dynamic role of molecular constituents in plant-parasite interaction. proceedings, conference held May 15-21, 1966, Gamagori, Japan. sE611.C6. 13278
- RICKETS**
Destruction of rachitogenic activity of isolated soybean protein by autoclaving as demonstrated with turkey poults. 13458
- RICKETTSIA**
Multiplication of rickettsiae in tick cells in vitro. 13109
- RING SPOT (COWPEAS)**
Dual transmission of tobacco ringspot virus and tomato ringspot virus by *Xiphinema americanum*. 13383
- RING SPOT (CUCUMBERS)**
Dual transmission of tobacco ringspot virus and tomato ringspot virus by *Xiphinema americanum*. 13383
- RING SPOT (RASPBERRIES)**
Effects of tomato ringspot virus plant and fruit development of raspberries. 13230
- RINGWORM**
Treatment of ringworm in cattle; deaths following the use of a mixture of creosote and tractor vaporising oil. 13411
- The feeding of griseofulvin in treatment of trichophytosis (ringworm) in chinchillas. 13468
- RODENT CONTROL**
Pest control's 7th annual industry economic forecast fast track for '68. 13704
- RODENTICIDES**
Comparative toxicity of rodenticides. 13502
- Studies on experimental poisoning of agricultural chemicals in dogs. 1. experimental poisoning of lowly toxic raticide in dogs. 13587
- Taste preferences in rodenticide development. 13635
- RODENTS**
The fauna of stored products in U.A.R. 13490
- ROBOLIA**
Record of the cottony cushion scale, *Icerya purchasi* Maskell in the Coimbatore District of Kerala State in India and its control. 13362
- ROOT CROPS**
Absorption of organochlorine insecticide residues from agricultural soils by root crops. 13544
- ROOT ROT (COTTON)**
Effect of *Thielaviopsis basicola* root rot of cotton on incidence and severity of *Verticillium* wilt. 13245
- ROOT ROT (SOYBEANS)**
Soybean root and stem rot caused by *Rhizoctonia solani*, 1966. 13243
- ROOT ROT (WHEAT)**
Effect of antagonists on growth and survival of *Rhizoctonia solani* in soil. 13204
- ROOTS**
A quantitative assay method for observing and enumerating propagules of root-infecting fungi. (abstract). 13258
- Biology of radicolous aphids on maize. 13299
- Simulated Nantucket pine tip moth attacks reduce root development of shortleaf pine seedlings. 13317
- Translocation of insecticides from soils into pea plants effects of the detergent LAS on translocation and plant growth. 13553

SUBJECT INDEX

SISAL

| | | | |
|---|-------|--|-------|
| Megachile rotundata F. | 13333 | SHEEP | |
| Insect intercceptions made from the seed samples imported and exported for plant introduction work during the period August 1960 to December 1964. | 13377 | The use of salmonella vaccine in outbreaks of salmonellosis in sheep. | 13410 |
| Isolation of a novel auxin, methyl 4-chloroindoleacetate from immature seeds of <i>Ficus sativus</i> . | 13624 | Nodular hyperplasia of the ovine spleen. | 13425 |
| SELENIUM | | Salmonellosis of sheep: use of serum from a vaccinated ewe in a mouse passive protection test. | 13426 |
| Selenium in crops in the United States in relation to selenium-responsive diseases of animals. | 13429 | II. Trucellosis in Britain--The problem: Control: Eradication. | 13448 |
| SEMEN | | The effects of diet on reproduction in pigs, sheep and cattle. VI: cattle-protein, vitamins, minerals and other dietary substances. | 13454 |
| Seminal loss in repeatedly mated female <i>Aedes aegypti</i> . | 13127 | A further study of neoplasms in abattoir sheep. | 13463 |
| SEMESCENCE | | Information about helminthiasis in sheep derived from records at a veterinary investigation center. | 13474 |
| Anaerobiosis studies with <i>Musca domestica</i> . age and sex differences for survival rate and recovery capability. | 13037 | Oxygen influence on egg production by a parasitic nematode. | 13478 |
| SEPTIC TANKS | | Absorption, metabolism, and excretion of tritium-labeled fampbur in the sheep and calf. | 13583 |
| Travel of nitrogen in soils. | 13516 | Some effects of orally administered Dnelene on host sheep and two ectoparasites: the yellow-fever mosquito and the Rocky Mountain wood tick. | 13672 |
| SERICESTHIS GEMINATA | | SHELL COMPOUND 4294 | |
| Digestion by the larva of the princse scarat, <i>Sericesthis geminata</i> . | 13126 | The toxicity of dimethyl 2-(alpha-methylbenzylloxycarbonyl)-1-methylvinyl phosphate (Shell Compound 4294) to livestock. | 13601 |
| SERINE | | SHELL SD-9129 | |
| The calcium-stimulated incorporation of ethanolamine and serine into the phospholipids of the housefly <i>Musca domestica</i> . | 13026 | Systemic activity of Shell SD-9129 in cotton plants. | 13363 |
| Nutritive effects of alanine, cystine, glycine, serine, and tyrosine on the silkworm, <i>Bombyx mori</i> . | 13062 | SHIPS | |
| SERUM | | Measures to be taken to prevent the transmission of <i>Aedes aegypti</i> by sea and air. | 13189 |
| Production of gas gangrene serum in general and of polyvalent gas gangrene-aphylactic-serum of horse by using simultaneous immunization methods with four known gas gangrene types in one. | 13409 | SHRIMPS | |
| Salmonellosis of sheep: use of serum from a vaccinated ewe in a mouse passive protection test. | 13426 | Effects of pesticides on osmoregulatory ability of estuarine fauna. | 13600 |
| SETABIA VIBILIS | | SILAGE | |
| Host range of larvae of the northern corn rootworm (Coleoptera: Chrysomelidae). | 13309 | Temperature-programmed gas chromatography of 20 phosphorus-containing insecticides on 4 different columns and its application to the analysis of milk and corn silage. | 13529 |
| SEWAGE DISPOSAL | | SILK GLANDS | |
| Water pollution control and abatement. TD420.W45. | 13520 | Purification and properties of acid ribonucleases from posterior silk gland of silkworm. | 13075 |
| SEX | | SILVER SCURF (POTATOES) | |
| Intersexuality in mosquitoes. (Abstract). | 13015 | Evaluation of the relative importance of soil and seed as source of the inoculum of silver scurf of potatoes by means of a repression test. | 13270 |
| Anaerobiosis studies with <i>Musca domestica</i> . age and sex differences for survival rate and recovery capability. | 13037 | SIMULIIDAE | |
| Sexual difference in the activity of the pars intercerebralis--corpus cardiacum--corpus allatum system of <i>Bombyx mori</i> . | 13045 | A preliminary revision of the black-flies (Diptera: Simuliidae) of the Middle East. | 12945 |
| Sexual difference in haemolymph protein of several insects. | 13074 | SIMULIUM DAMNOSUM | |
| Use of lethal temperature in the study of effects of thermal treatments on the development of several primary sexual characters in the triploid intersexed <i>Drosophila melanogaster</i> Meig. | 13078 | Observations of the swarming behavior of <i>Simulium damnosum</i> (Theobald) in Upper Volta and the Cameroons. | 13084 |
| SEX BEHAVIOR | | SINOXYLON SUDANICUM | |
| Some consequences of copulation in <i>Brodnius prolixus</i> . | 13029 | The attacking habits of <i>Sinoxylon sudanicum</i> Lesve (Coleoptera: Rostrichidae). | 13334 |
| The action of the male genitalia during the copulation of the hen flea, <i>Ceratophyllus gallinae</i> (Schrank). | 13061 | SINOSES | |
| Comparative studies on reciprocal interchange of the corpora allata between males and females of adult <i>Schistocerca gregaria</i> (Forsk.) (Orthoptera: Acrididae). | 13106 | Method of treating bovine mastitis. patent 3,347,743. | 13443 |
| Mating, resting habits and dispersal of <i>Aedes aegypti</i> . | 13119 | SIPHONA KANGWAGYEI | |
| Sexual behavior in blister beetles (Coleoptera: Meloidae). II. <i>linsleya convexa</i> . | 13121 | <i>Siphona kangwagyei</i> n. sp., a bloodsucking fly from Uganda (Diptera: Muscidae). | 13001 |
| Possible use of the sterile-male technique for control of <i>Aedes aegypti</i> . | 13184 | SIPHONAPTERA | |
| | | The fleas (Siphonaptera) of Egypt. an illustrated and annotated key. | 12969 |
| | | SISAL | |
| | | Experiments on the control of sisal weevils by dipping planting material in solutions of systemic insecticides. | 13347 |

SUBJECT INDEX

| | | |
|------------------------|---|-------|
| SITOPHILUS | | |
| SITOPHILUS | A taxonomic separation of larvae of the genus Sitophilus by head capsule morphology (Coleoptera: Curculionidae). | 12957 |
| SITOPHILUS GRANIBIOS | Effect of high-amylose field corn on larval growth and survival of five species of stored-grain insects. | 13498 |
| | Effectiveness of gamma irradiation for control of five species of stored-product insects. | 13500 |
| SITOPHILUS CEYZAE | Effect of high-amylose field corn on larval growth and survival of five species of stored-grain insects. | 13498 |
| SITOTROGA CEREALELLA | Effect of high-amylose field corn on larval growth and survival of five species of stored-grain insects. | 13498 |
| SKIN | Contact avicides. patent 3,340,142. | 13592 |
| SLAUGHTERHOUSES | A further study of neoplasms in abattoir sheep. | 13463 |
| | Design of a modern meat-packing waste treatment plant. | 13519 |
| SLUDGE | Anaerobic degradation of selected chlorinated hydrocarbon pesticides. | 13513 |
| SMELL | Insect communication. | 13021 |
| SMOKING (PRESERVATION) | Survival and outgrowth of Clostridium botulinum type E spores in smoked fish. | 13504 |
| SMUI (OATS) | Fraser cats. | 13279 |
| SOCIAL INSECTS | Behaviour of social insects. | 13142 |
| SODIUM | Ion movements and water transport in the rectum of the locust Schistocerca gregaria. | 13133 |
| SODIUM ARSENITE | Use of ⁷⁴ As-tagged sodium arsenite in a study of effects of a herbicide on pond ecology. in: Isotopes in weed research; proceedings of a symposium Vienna, 25-29 October 1966. s589.S9. | 13509 |
| SOIL ADSORPTION | Behavior of ¹⁴ C-labelled diesel oil in different soils. in: Isotopes in weed research; proceedings of a symposium Vienna 25-29 October 1965. s589.S9. | 13518 |
| SOIL BIOLOGY | Potential use of tracer methods especially autoradiography in the study of the relation of herbicides to soil biology in: isotopes in weed research; proceedings of a symposium Vienna 25-29 October 1965 s589.S9. | 13512 |
| SOIL CONTAMINATION | Residues of organochlorine insecticides and their metabolites in soils in the Atlantic Provinces of Canada. | 13510 |
| | Travel of nitrogen in soils. | 13516 |
| | Determination of the herbicide Tordon (4-amino-3,5,6-trichloropiclinic acid) in soil by electron capture gas chromatography. | 13517 |
| | Aldrin adsorption by soils and clays. | 13521 |
| | Determination of terrachlor in crops and soil by electron-capture gas chromatography. | 13558 |
| | Fate of insecticide residues. decomposition of lindane in soil. | 13574 |
| SOIL FAUNA | New oribatids (Acari) from Australian soils. | 12932 |
| | SOIL FUNGI | |
| | Effects of three soil-inhabiting fungi on axenic peanut plants. (abstract). | 13216 |
| | A quantitative assay method for observing and enumerating propagules of root-infecting fungi. (abstract). | 13258 |
| | SOIL INSECTS | |
| | Soil fauna research in the forest of Maures (Var). description of a new species of Leptotyphlus Pauv. (Col. Staphylinidae). | 12956 |
| | SOIL MICROBIOLOGY | |
| | A buried membrane filter method for studying behavior of soil fungi. | 13198 |
| | Effect of antagonists on growth and survival of Rhizoctonia solani in soil. | 13204 |
| | Comparative survival of monobasidial cultures of Thanatephorus cucumeris in soil. | 13256 |
| | SOIL MICROORGANISMS | |
| | Ecology of plant pathogens in soil. VII. mathematical models and inoculum density. | 13205 |
| | Influence of sprinkler irrigation and four forage crops on populations of soil microorganisms including those antagonistic to Sclerotinia rolfsii Sacc. | 13222 |
| | Micro-organisms in the root region of wheat. literature review. | 13231 |
| | Review of the metabolism and decomposition of diguac and paraquat. | 13541 |
| | SOIL MOISTURE | |
| | Effect of soil moisture and soil temperature on black shank disease development in tobacco. | 13246 |
| | SOIL STERILIZATION | |
| | Control of pink bollworm larvae with soil-applied insecticides. | 13378 |
| | SOIL TEMPERATURE | |
| | Effect of soil moisture and soil temperature on black shank disease development in tobacco. | 13246 |
| | SOIL-BORNE PLANT DISEASES | |
| | Alteration of cell wall components during pathogenesis by Rhizoctonia solani. in: Mirocha, C. J., and Uritani, I., ed. the dynamic role of molecular constituents in plant-parasite interaction. proceedings, conference held May 15-21, 1966, Yamagori, Japan. SB611.C6. | 13208 |
| | SOIL-PLANT-ANIMAL RELATIONS | |
| | Nature of agrobiocoenosis and significance to integrated control. in: FAO symposium on integrated pest control, Rome, 1965. proceedings. SB951. P62. | 13306 |
| | SOILS | |
| | Incidence in the culture of oil palm of Fusarium populations in the soil of the savanna in the lower Ivory Coast. | 13267 |
| | Evaluation of the relative importance of soil and seed as source of the inoculum of silver scurf of potatoes by means of a regression test. | 13270 |
| | Potential use of tracer methods especially autoradiography in the study of the relation of herbicides to soil biology in: isotopes in weed research; proceedings of a symposium Vienna 25-29 October 1965 s589.S9. | 13512 |
| | Behavior of ¹⁴ C-labelled diesel oil in different soils. in: Isotopes in weed research; proceedings of a symposium Vienna 25-29 October 1965. s589.S9. | 13518 |
| | Fate of 2-methyl-2-(methylthio)propion aldehyde O-(methylcarbamoyl)oxime (Temik) in cotton plants and soil. | 13535 |
| | Absorption of organochlorine insecticide residues from agricultural soils by root crops. | 13544 |
| | Translocation of insecticides from soils into pea plants effects of the detergent LAS on translocation and plant growth. | 13553 |
| | Fate of trifluralin in soils and plants. | 13563 |

SDEJECI INDEX

STATISTICS

| | | | | |
|---|-------|----------------------------|---|-------|
| Adsorption of bipyrilium herbicides in soil. | 13571 | SFHEX | Appendix. sphex Linne, subgenus Palmodes Kohl. in: Hymenoptera from Turkey. Sphecidae. i., by J de Beaumont. | 12984 |
| Amitrole decomposition by free radical-generating systems and by soils. | 13657 | SPHINGIDAE | Effect of population density on the larval coloration and development of larva and pupa in the larger pellucid hawk moth, Cophonodes hylas L (Lepidoptera: SpHINGidae). | 13115 |
| SCOLIDAGC | | SPIDERS | Note about some hidden travelers. | 12976 |
| Toxicity of some goldenrods. | 13605 | | Control of cotton insects with an insect-collecting machine. | 13359 |
| SOLVENTS | | SPLEEN | Nodular hyperplasia of the ovine spleen. | 13425 |
| The selection of a solvent for use with low volume aerial spraying of cotton plants. | 13611 | SPODOPTERA PROGIPERDA | Effects of natural (sorghum) and artificial (wheat germ) diets on development of the corn earworm, fall armyworm, and southwestern corn borer. | 13302 |
| SORGHUM | | SPONDYLOCLADIDM ATBOVIRENS | Evaluation of the relative importance of soil and seed as source of the inoculum of silver scurf of potatoes by means of a repression test. | 13270 |
| Effects of natural (sorghum) and artificial (wheat germ) diets on development of the corn earworm, fall armyworm, and southwestern corn borer. | 13302 | SPORE GERMINATION | Changes in cytoplasm and cell wall material; an anatomical approach to the mechanism of fungal infections in plants. in: Mirocha, C. J., and Oritani, I., ed. the dynamic role of molecular constituents in plant-parasite interaction. proceedings, conference held May 15-21, 1966, Gama-gori, Japan. SB611.C6. | 13200 |
| Studies on the susceptibility of different varieties of sorghum, maize and bajra to Chilo zonellus (Swinhoe) under field and cage conditions and the methods of determining it. | 13340 | | Survival and outgrowth of Clostridium botulinum type E spores in smoked fish. | 13504 |
| Distribution and concentration of HCN in a sorghum-sudan-grass hybrid. | 13632 | | Improved medium for sporulation of Clostridium perfringens. | 13505 |
| SCORGHUM VOLGABE SDDANENSE | | SPRAYING | Hazards of herbicide drift. | 13586 |
| Distribution and concentration of HCN in a sorghum-sudan-grass hybrid. | 13632 | | The selection of a solvent for use with low volume aerial spraying of cotton plants. | 13611 |
| SCOUND WAVES | | | How we modified a back pack sprayer for DLV insecticide applications. | 13694 |
| Trapping mosquitoes with sound. (abstract). | 13159 | | Analysis of spray deposits on cards dyed with Sudan Black BB: their preparation and use. | 13702 |
| SOYBEANS | | SPRAYING EQUIPMENT | How we modified a back pack sprayer for DLV insecticide applications. | 13694 |
| Soybean root and stem rot caused by Rhizoctonia solani, 1966. | 13243 | STAPHYLOCOCCUS | A trial in goats of an inactivated staphylococcal polyvalent somatic antigen vaccine against mastitis. | 13430 |
| Comparison of the pathogenicity and development of the Va. 2 isolate of Heterodera glycines on Pickett and Lee soybeans. (abstract). | 13387 | STAPHYLOCOCCUS ADBEDS | Low incidence of staphylococcal dermatitides in animals with high incidence of staphylococcus aureus. i. preliminary study of cats. | 13421 |
| Destruction of rachitogenic activity of isolated soybean protein by autoclaving as demonstrated with turkey poult. | 13458 | | Quaternary ammonium xanthates. patent 3,324,134. | 13677 |
| Increase in invasion by storage fungi and in fat acidity values of commercial lots of soybeans stored at moisture contents of 13.0.14.0 percent. | 13484 | | Method for combating microorganisms with an alkyl substituted oxazoline. patent 3,366,537. | 13687 |
| Uptake, distribution, and metabolism of monuron and diuron by several plants. | 13568 | STARBLINGS | Contact avicides. patent 3,340,142. | 13592 |
| SPAREBOWS | | STATISTICAL ANALYSIS | The danger-index of the synanthropic flies. | 13170 |
| Contact avicides. patent 3,340,142. | 13592 | | A survey of organic chloride impurities in food grade hydrochloric acid. | 13537 |
| SPECTROMETRY | | | The new florisisil: a statistical evaluation for chlorinated pesticides. | 13633 |
| Aldrin adsorption by soils and clays. | 13521 | STATISTICS | A report on residues in food. | 13538 |
| Potential of neutron activation analysis of pesticides and metabolites. in: Radioisotopes in the detection of pesticide residues; proceedings of a panel Vienna, 12-16 1965. SB953.F32. | 13527 | | | |
| Method of activation analysis for mercury in the biosphere and in foods. An addendum. in: Radioisotopes in the detection of pesticide residues; proceedings of a panel Vienna, 12-16 1965. SB953.F32. | 13534 | | | |
| SPECTROPHOTOMETRY | | | | |
| Spectrophotofluorometric determination of 6-methoxy-2-benzoxazolinone, an indicator of resistance to European corn borer in Zea mays. | 13308 | | | |
| Spectrophotometric determination of Temik residues in citrus. | 13556 | | | |
| Determination of terrachlor in crops and soil by electron-capture gas chromatography. | 13558 | | | |
| SPHECIDAE | | | | |
| The comparative ethology and evolution of the sand wasps. GL568.S7E8. | 12948 | | | |
| Appendix. sphex Linne, subgenus Palmodes Kohl. in: Hymenoptera from Turkey. Sphecidae. i., by J de Beaumont. | 12984 | | | |

SUBJECT INDEX

| | | | |
|----------------------|--|-------|---|
| STEAM | | | |
| STEAM | Effect of antagonists on growth and survival of <i>Rhizoctonia solani</i> in soil. | 13204 | ing. SB953.M6. 13251 |
| | Comparative survival of monobasidial cultures of <i>Thurattaphrus cucumeris</i> in soil. | 13256 | STBAK (PEAS) Purification and physicochemical properties of the Wisconsin pea streak virus. 13268 |
| STEGOBIUM PANICEUM | A laboratory study of <i>Stegobium paniceum</i> (L.) (Coleoptera: Anobiidae). | 13080 | STREPTOMYCES Method of producing an antibiotic, quinomycin B. patent 3,332,843. 13688 |
| STEM ROT (SOYBEANS) | Soybean root and stem rot caused by <i>Rhizoctonia solani</i> , 1966. | 13243 | STREPTOMYCES BELLUS Antibiotic circlerosus and process for producing the same. patent 3,345,262. 13648 |
| STEM RUST (OATS) | Fraser cats. | 13279 | STREPTOMYCES BOTTROPENSIS Streptonigrin antibiotics and process for their production. patent 3,372,090. 13642 |
| STEM RUST (WHEAT) | Time of stem rust appearance on wheat in the western Mississippi Basin in relation to the development of epidemics from 1921 to 1962. | 13235 | STREPTOMYCES PLOCCULUS Streptonigrin antibiotics and process for their production. patent 3,372,090. 13642 |
| | Effect of <i>Puccinia recondita</i> infection on the RNA composition of wheat leaves. | 13239 | STREPTOMYCES FUNGICIDUS Streptonigrin antibiotics and process for their production. patent 3,372,090. 13642 |
| | The effect of favorable periods for infection on development of stem rust in field plots of wheat. (abstract). | 13244 | STREPTOMYCES GRISEUS Effects of three soil-inhabiting fungi on axenic peanut plants. (abstract). 13216 |
| STEMPHYLUM ECORYOSUM | The <i>Stemphylium</i> leaf spot complex on blue lupine. | 13287 | STREPTOMYCES SCABIES Influence of copper and zinc on the incidence of potato scab. 13217 |
| STERILITY | Inherited partial sterility among survivors from irradiation-eradication experiment. | 13154 | STREPTONIGRIN Streptonigrin antibiotics and process for their production. patent 3,372,090. 13642 |
| STABILIZATICE | Use of alternative biological control schemes. in: FAO symposium on integrated pest control, Rome, 1965. proceedings. SB951. F62. | 13335 | STRIDLULATION Insect communication. 13021 |
| STIMULANTS | Feeding stimuli and artificial feeding. | 13046 | STRIFE RUST (GRAIN) Influence of light intensity on the reactions of wheat and barley seedlings to <i>Puccinia striiformis</i> . 13275 |
| STOMATA | Influence of certain exoascids on development of the epidermis and the foliar stomatic apparatus of their hosts. | 13224 | SUBSTITUTED CYCLOPHOYL CARBANILATES Substituted carbanilate herbicides. patent 3,334,130. 13648 |
| STORAGE | Biological studies on the Mediterranean flour moth, <i>Anagasta kuehniella</i> Zeller (Lepidoptera: Pyritidae). | 13496 | SUCCINIC ACID The effects of indoleacetic acid and 2,4-dichlorophenoxyacetic acid on intermediary metabolism of ¹⁴ C-labelled organic acids by pea root tips. 13620 |
| STORAGE DISEASES | Increase in invasion by storage fungi and in fat acidity values of commercial lots of soybeans stored at moisture contents of 13.0-14.0 percent. | 13484 | SUCCINIC ACID, 2,2-DIMETHYLBUTYDBAZIDE Colorimetric determination of Alar residues in apples. 13539 |
| | Treatment of fruits and the like to inhibit decay. patent 3,347,683. | 13486 | Effect of Alar on winterhardiness of raspberries. 13616 |
| STORED PRODUCTS | New findings about fumigant and atmospheric gases in the control of insects and molds in grain. | 13483 | SUCCINYLCHOLINE CHLORIDE Margin of safety of succinylcholine chloride in horses treated with anticholinesterase pesticides. 13434 |
| | Studies on the susceptibility of certain stored products insects to bacterial insecticides. 1. tests with Bakthane L-69. | 13489 | SUCKERS Patty alcohol inhibition of tobacco auxiliary and terminal bud growth. 13630 |
| | The fauna of stored products in U.A.R. | 13490 | SUCROSE Egg production of house-fly, adults fed human blood containing various supplements. 13163 |
| | Lepidoptera infesting stored products. in: Smith, C. n. insect colonization and mass production. GL497.S6. 13492 | | SUGAR Responses of tarsal hairs of the bluebottle, <i>Calliphora erythrocephala</i> Meig., to sugar and water. 13102 |
| | Coleoptera infesting stored products. in: Smith, C. n. insect colonization and mass production. GL497.S6. 13495 | | SUGARCANE Effect of endrin and trichlorfon applied in artificial diet against larvae of sugar-cane borer <i>Diatraea saccharalis</i> (F.) (Lep., Pyralidae). 13049 |
| | Effect of high-amylose field corn on larval growth and survival of five species of stored-grain insects. | 13498 | SUGARS Effects on light and sugars on rearing the cotton aphid, <i>Aphis gossypii</i> , on a germ-free and holidic diet. 13006 |
| | Insect control with high frequency electric fields. | 13499 | Effect of amino acid and sugar concentrations on the food uptake of the aphid <i>Myzus persicae</i> . 13092 |
| STRAW | Determination of chlorocholine chloride residues in wheat grain, straw, and green wheat foliage. | 13560 | SULFAMATES Biocidal quaternary ammonium sulfamates. patent 3,344,018. 13669 |
| STRAWBERRIES | General and specific combining ability in seven inbred strawberry lines. | 13197 | |
| | Experiments on controlling strawberry botrytis rot by spray- | | |

SUBJECT INDEX

TEMIK

| | | | |
|--|-------|--|-------|
| SULFAMETHAZINE Influence of oxytetracycline on diffusion of sulfonamides from plasma into bovine milk. | 13559 | SYMPOSIA Insect behavior. (Royal Entomological Society of London. symposia no. 3). | 13053 |
| SULFONAMIDES Method of protecting the offspring of a herd of breeding swine from turbinatosis. patent 3,336,190. | 13452 | Cellular age changes in insects. in: Aspects of the biology of aging, H. W. Woolhouse, ed. | 13113 |
| Influence of oxytetracycline on diffusion of sulfonamides from plasma into bovine milk. | 13559 | World Health Organization. seminar on the ecology, biology, control, and eradication of <i>Aedes aegypti</i> , 16-20 August 1965, Geneva, Switzerland. | 13156 |
| SULFONIC ACIDS Pesticidal wettable powder formulation. patent 3,342,581. | 13686 | SYNTHESES The formation of aflatoxin derivatives. | 13636 |
| SULFUR Identification of the aldrin artifact. | 13653 | Preparation and biological activity of the isomers of dimethyl-1,3-dicarbomethoxy-1-propen-2-yl phosphate (Bomyl). | 13649 |
| SULFUR COMPOUNDS Sulfur-containing carbamate insecticides. patent 3,349,115. | 13682 | Synthesis, biological activities, and properties of the syn and anti exo-3-chloro-endo-6-cyano-2-norbornanone 0-methylcarbamoyloximes. absolute structure of trandit miticide. | 13651 |
| SULFURYL FLUORIDE Factors affecting the resistance of insect eggs to sulphuryl fluoride. i. the uptake of sulphuryl-35S fluoride by insect eggs. | 13103 | SYNTHETIC DIETS An artificial diet and some growth factor requirements for the pale western cutworm. | 13070 |
| SURFACE-ACTIVE AGENTS Pesticidal wettable powder formulation. patent 3,342,581. | 13686 | SYSTEMIC INSECTICIDES Experiments on the control of sisal weevils by dipping planting material in solutions of systemic insecticides. | 13347 |
| SURVEYS Apterous aphids in water, wind, and suction traps. | 12972 | Systemic insecticides evaluated for two-spotted mite control on greenhouse cucumbers. | 13348 |
| A survey of Nosema disease in package bees, queens, and attendant bees entering Manitoba (1963-1966). | 13065 | Systemic activity of Shell SD-9129 in cotton plants. | 13363 |
| Control of cotton insects with an insect-collecting machine. | 13359 | Gas chromatographic determination of famphur and its oxygen analog residues in bovine milk, blood, and edible tissues. | 13562 |
| Population sampling for integrated control. in: FAO symposium on integrated pest control, Rome, 1965. proceedings. SE951. F62. | 13376 | Absorption, metabolism, and excretion of tritium-labeled famphur in the sheep and calf. | 13583 |
| A survey on antibodies against canine toxoplasma by hemagglutination test and isolation of the organism from dogs. | 13461 | T, 2,4,5- Gas chromatographic measurement of disappearance rates of 2,4-D and 2,4,5-T acids and 2,4-D esters in mice. | 13606 |
| SWEETCLOVER The confinement period required to rid honeybees of foreign sweetclover pollen. | 13358 | TACHYDROMA Notes on the genus Tachyromia Meig and the annulinana-group (Diptera, Empididae). | 12939 |
| SWEET POTATOES Influence of environmental temperatures on metabolic alterations related to disease resistance in sweet potato roots infected by black rot. | 13201 | TANNINS Toxicity of some goldenrods. | 13605 |
| Influence of host-parasite interactions on proteins, enzymes, and resistance. in: Mirocha, C. J., and Uritani, I., ed. the dynamic role of molecular constituents in plant-parasite interaction. proceeding, conference held May 15-21, 1966, Gwagori Japan. SE611.C6. | 13274 | TASTE Taste preferences in rodenticide development. | 13635 |
| The relation of metabolic changes in infected plants to changes in enzymatic activity. in: Mirocha, C. J., and Uritani, I., ed. the dynamic role of molecular constituents in plant-parasite interaction. proceedings, conference held May 15-21, 1966. SE611.C6. | 13282 | TDE Anaerobic degradation of selected chlorinated hydrocarbon pesticides. | 13513 |
| SWINE Immunizing pigs against hog cholera with selected strains of live virus diarrhoea virus and preparation of virus diarrhoea virus hyper-immune hog cholera serum. patent 3,346,456. | 13408 | Note on the effect of sample moisture content on extraction of TDE from kale. | 13533 |
| The effects of diet on reproduction in pigs, sheep and cattle. VI: cattle-protein, vitamins, minerals and other dietary substances. | 13454 | Distribution of p,p'-DDT residues in adipose and muscle tissues of beef cattle. | 13564 |
| Some aspects about helminth parasites of Sus domesticus Linnaeus, 1758, from the State of Bahia, Brazil. | 13470 | TELDENIA A taxonomic revision of the genus Teldenia Moore (Lepidoptera: Drepanidae, Drepaninae). | 13000 |
| Farm-to-farm transmission of porcine Oesophagostomiasis. | 13477 | TEMIK Metabolism of 2-methyl-2-(methylthio)propionaldehyde 0-(methylcarbamoyl)oxime (Temik, UC-21149) in insects. | 13016 |
| SYMPHYTA Food plants of Japanese Symphyta. i. | 13101 | Field evaluation of Temik against some insects and mites attacking citrus. | 13305 |
| | | Control of pink bollworm larvae with soil-applied insecticides. | 13378 |
| | | Fate of 2-methyl-2-(methylthio)propionaldehyde 0-(methylcarbamoyl)oxime (Temik) in cotton plants and soil. | 13535 |
| | | Spectrophotometric determination of Temik residues in citrus. | 13556 |

SUBJECT INDEX

TEMPERATURE

TEMPERATURE

- Intersexuality in mosquitoes. (Abstract). 13015
- Characteristics of phenol oxidases in *Moroniella vitripennis* (Walker). 13043
- Non-dependence of the saturation of depot fat on temperature and photoperiod in a hibernating mosquito. 13050
- Effects of temperature on survival and development of the larch sawfly. (Abstract). 13057
- Effect of temperature on the degree of intersexuality in *Lymantria dispar* L. 13151
- Influence of environmental temperatures on metabolic alterations related to disease resistance in sweet potato roots infected by black rot. 13201
- The effect of favorable periods for infection on development of stem rust in field plots of wheat. (abstract). 13244
- Influence of some environmental factors on the susceptibility of *Ficus sativum* to *Potyrtis cinerea*. 13289

TENEBRIONIDAE

- Experimental study of development in the male reproductive system of *Tenebrio molitor* (Coleoptera, Tenebrionidae). 13060
- Cortisol and growth in insects. 13093
- Factors affecting the resistance of insect eggs to sulphuryl fluoride. I. the uptake of sulphuryl-35S fluoride by insect eggs. 13103

TENEBRIONIDAE

- Notes on the systematics and distribution of some *Tribolium* species (Coleoptera: Tenebrionidae). 12953
- Experimental study of development in the male reproductive system of *Tenebrio molitor* (Coleoptera, Tenebrionidae). 13060

TENTHREDINIDAE

- Hymenoptera Tenthredinoidea of the Seine-et-Oise. interesting captures and collecting notes. 12965

TEPHRITIDAE

- New host records for North American fruit flies (Diptera: Tephritidae). 13357

TERMITES

- Preference for wood of different degrees of dampness in some termites from Cuba (Isoptera). 13497

TESTES

- Histological studies of testes in rats treated with certain insect chemosterilants. 13590

TETANCPUS MYOFAEFOEMIS

- Evaluation of insecticides for control of the sugar-beet maggot in Manitoba. 13297

TETRACHLORO-2,2-BIS(4-AMINO-2-CHLOROPHENYL)ETHANE, 1,1,1,2-

- The apparent binding of DDT to tissue components. 13584

TETRACYCLINE

- Anatomopathological study of lesions caused by intramuscular injection of hydrochloride and phosphate complex of tetracycline. 13582

TETRAHALOCYCLOPENTADIENYLDIAMINES

- Method of controlling microbes by means of tetrahalocyclopentadienyldiamines. patent 3,341,405. 13680

TETRAMESA RUSSOII

- Research of Hymenoptera Chalcididae. III. a new species of the genus *Tetramesa* Walk. (Hym. Eurytomidae). 12997

TETRANYCHUS URTICAE

- Fertilization in the two-spotted spider mite (*Tetranychus urticae*: Acari). 13003

- Systemic insecticides evaluated for two-spotted mite control on greenhouse cucumbers. 13348

TEXTILES

- How fungi attack material. 13485

THANATEPHORUS CUCUMERIS

- Comparative survival of monokaryotic cultures of *Thanatephorus cucumeris* in soil. 13256

THEBAPEDUTICS

- Method of treating bovine mastitis. patent 3,347,743. 13443
- Prevention and first aid for livestock poisoned with chemicals. SF757.5.N3. 13561

THERIOAPHIS TRIPOLII

- Apterous aphids in water, wind, and suction traps. 12972

THIELAVIOPSIS

- A quantitative assay method for observing and enumerating propagules of root-infecting fungi. (abstract). 13258

THIELAVIOPSIS BASICOLA

- A buried membrane filter method for studying behavior of soil fungi. 13198

- Effect of *Thielaviopsis basicola* root rot of cotton on incidence and severity of *Verticillium* wilt. 13245

THIOBENZOIC ACIDS

- Herbicide composition and method. patent 3,333,946. 13666

THIOPHOSPHATES

- A rapid specific method for the gas chromatographic determination of organophosphate pesticides in cold pressed citrus oils. 13569

TBURICIDE

- Studies on the susceptibility of certain stored products insects to bacterial insecticides. I. tests with *Bakthane* I-69. 13489

THYROID GLAND

- Effects of dietary DL-METHIONINE on tissue levels of glutathione in hypothyroid chicks. 13427

THYSANOPTERA

- Some new efficient preparations to control thrips and *Aphis gossypii* on cotton. 13361

TIMBER

- Notes on *Gnathotrichus materiarius* (Col. Scolytidae), a timber beetle new to the Netherlands. 13493

TISSUE CULTURE

- Heat treatment and meristem culture for the production of virus-free plant material. 13237

TISSUES

- The apparent binding of DDT to tissue components. 13584

TOBACCO

- Cryogenic storage of conidia of *Peronospora tabacina*. (abstract). 13214

- Mitochondrial activities of detached tobacco leaves infected with tobacco mosaic virus: the possible source of energy for virus multiplication. in: Mirocha, C. J., and Uritani, I., ed. the dynamic role of molecular constituents in plant-parasite interaction; proceedings of a conference held May 15-21, 1966, Gamagori, Japan. SB611.C6. 13236

- Biochemistry of virus infection. v. change in nuclear content of host cells infected by virus. in: Mirocha, C. J., and Uritani, I., ed. the dynamic role of molecular constituents in plant-parasite interaction. proceedings, conference held May 15-21, 1966, Gamagori, Japan. SB611.C6. 13249

- Effect of calcium nutrition on black shank of tobacco. (abstract). 13250

- Development of resistance by the tobacco budworm to endrin and cartharyl. 13296

- Patty alcohol inhibition of tobacco auxiliary and terminal bud growth. 13630

TOBACCO MOSAIC VIRUS

- Reactivity of tobacco mosaic virus and its protein toward acetic anhydride. 13228

SUBJECT INDEX

TREE DISEASES

| | | | |
|---|-------|--|-------|
| Mitochondrial activities of detached tobacco leaves infected with tobacco mosaic virus: the possible source of energy for virus multiplication. in: Mirocha, C. J., and Dritani, I., ed. the dynamic role of molecular constituents in plant-parasite interaction; proceedings of a conference held May 15-21, 1966, Gamagori, Japan. SB611.C6. | 13236 | Studies of DNA, RNA, and protein synthesis in HeLa S cells exposed to DDT and dieldrin. | 13581 |
| Differences in aggressiveness between TMV-ISOLATES from tomato on clones of <i>Lycopersicon peruvianum</i> . | 13265 | Anatomopathological study of lesions caused by intramuscular injection of hydrochloride and phosphate complex of tetracycline. | 13582 |
| Yield of glasshouse tomatoes as affected by strains of tobacco mosaic virus. | 13266 | The apparent binding of dDT to tissue components. | 13584 |
| TOLEANCES | | Herbicides and their toxicity to livestock. | 13589 |
| A report on residues in food. | 13538 | Toxicity evaluation of air pollutants by use of luminescent bacteria. | 13596 |
| TOMATOES | | Possible reactions for aflatoxin detoxification. | 13598 |
| Physiology of wilt disease. in: Mirocha, C. J., and Uritani, I., ed. the dynamic role of molecular constituents in plant-parasite interaction. proceedings, conference held May 15-21, 1966, Gamagori, Japan. SB611.B6. | 13225 | Retention of vaporized lindane by plants and animals. | 13602 |
| Differences in aggressiveness between TMV-ISOLATES from tomato on clones of <i>Lycopersicon peruvianum</i> . | 13265 | Preparation and biological activity of the isomers of dimethyl-1,3-dicarboethoxy-1-propen-2-yl phosphate (Bomyll). | 13649 |
| Yield of glasshouse tomatoes as affected by strains of tobacco mosaic virus. | 13266 | TOXICOLOGY | |
| The occurrence of acid hydrolyzable phenolics in relation to Fusarium wilt disease in tomato plants. | 13283 | Topical toxicity of several chlorinated hydrocarbon, organo-phosphorous, and carbamate insecticides to Lygus hesperus. | 13083 |
| Studies on Botrytis cinerea in tomatoes influence of methods of deleafing on the occurrence of stem lesions. | 13284 | Comparative toxicity of rodenticides. | 13502 |
| Resistance of axenic tomato seedlings to Meloidogyne incognita acrita and to M. hapla. | 13381 | The toxicity of dimethyl 2-(alpha-methylbenzoyloxycarbonyl)-1-methylvinyl phosphate (Shell Compound 4294) to livestock. | 13601 |
| Gas chromatographic determination of captan residues. | 13550 | Biochemical toxicology. | 13604 |
| TORTRIX VIBIDANA | | TOXINS | |
| A study of the life-cycles and hosts of some Ichneumonidae attacking pupae of the green oak-leaf roller moth, Tortrix viridana (L.) (Lepidoptera: Tortricidae) in England. | 13315 | Role of parasite enzyme and toxins in development of characteristic symptoms in plant disease. in: Mirocha, C. J., and Dritani, I., ed. the dynamic role of molecular constituents in plant-parasite interaction. proceedings, conference held May 15-21, 1966, Gamagori, Japan. SB611.C6. | 13255 |
| TOUCB | | Biochemical response of plants to toxins produced by the rice blast fungus. in: Mirocha, C. J., and Uritani, I., ed. the dynamic role of molecular constituents in plant-parasite interaction. proceedings, conference held May 15-21, 1966, Gamagori, Japan. SB611.C6. | 13278 |
| Insect communication. | 13021 | Use of immunofluorescence and animal tests to detect growth and toxin production by Clostridium botulinum type E in food. | 13507 |
| TOWNS | | Detection of botulin toxins by immunodiffusion. | 13508 |
| Preferred Aedes aegypti larval habitats in urban areas. | 13023 | Comparative pharmacology of some animal toxins. | 13594 |
| TOXAFENE | | Purification of a protein from Bacillus thuringiensis toxic to larvae of Lepidoptera. | 13634 |
| Evaluation in the greenhouse of a new insecticide for hollyhock control. | 13345 | TOXIPLASMA | |
| A preventive holl weevil control program applied to a ten-square-mile area within a treated county. | 13353 | A survey on antibodies against canine toxoplasma by hemagglutination test and isolation of the organism from dogs. | 13461 |
| A preventive holl weevil control program applied to a ten-square-mile area within an untreated county. | 13354 | TRACHEA | |
| TOXICITY | | Pacemaker for tracheal ventilation in the cockroach, Periplaneta americana (L.). | 13042 |
| Anisic acid esters as knockdown agents. | 13008 | TRAINING | |
| Photodecomposition of dieldrin and aldrin. | 13056 | Training aspects of the United States sponsored Aedes aegypti and malaria eradication programs. | 13706 |
| Insecticide hcmoligcsis. | 13086 | TRANID | |
| Evaluation of insecticides against four species of adult mosquitoes in the Panama Canal Zone, 1967. | 13157 | Synthesis, biological activities, and properties of the syn and anti exo-3-chloro-endo-6-cyano-2-norbornanone O-methylcarbamoyloximes. absolute structure of tranid miticide. | 13651 |
| Responses of Aedes aegypti (L) from Alabama, Georgia and South Carolina to DDT, dieldrin, and malathion. | 13164 | TREE DISEASES | |
| Isoniazid toxicosis in ducklings: studies on pyridoxine, niacin, glutamic acid, and arginine supplementation. | 13412 | Diseases of forest plantings in Siberia. SB761.A35. | 13199 |
| DDT problem at a glance. | 13532 | Diseases in forest plantations: thief of time. | 13209 |
| Toxic hazards from the use of insecticides in the control of Aedes aegypti. | 13576 | Factors determining resistance of elms to Ceratocystis ulmi. | 13227 |
| Food and health - the safe use of pesticides. | 13577 | Bunt rot in yellow-poplar seedling-sprout stands. | 13233 |
| Effect of ethylene dibromide irrigated feed on animals. SF97.B6. | 13579 | | |
| Toxicity evaluation of a technique for introducing dieldrin into water. | 13580 | | |

SUBJECT INDEX

| | | | |
|--|-------|---|-------|
| TRIAATOMA INFESTANS | | | |
| Histology of <i>Cronartium quercuum</i> galls on shortleaf pine. | 1323B | TRIFLURALIN | |
| Bacterial phloem canker, a new disease of Persian walnut trees. | 1329U | Metabolism of carbon-14 trifluralin in carrots. | 1354Z |
| | | Fate of trifluralin in soils and plants. | 1356J |
| TRIAATOMA INFESTANS | | TRIPHENYL TIN | |
| Lacustrine culture of <i>Triatoma infestans</i> (Klug, 1834) (Hemiptera, Reduviidae). | 13097 | The retention of triphenyltin and dieldrin and its relevance to the toxic effects of multiple dosing. in: Radioisotopes in the detection of pesticide residues; proceedings of a panel, Vienna, 12-16 April 1965. S953.P32. | 1358S |
| TRIAZINE-3,5(2H,4H)-DIONE, 6-AS- | | TRIPHENYLTETRAZOLIUM CHLORIDE | |
| Response of <i>Heterodera trifolii</i> in red clover roots to Azauracil and other inhibitors. | 1338Z | Evaluation of regrowth potential of perennial forage crops using triphenyltetrazolium chloride. | 1363I |
| TRIBOLIUM | | TRIPHENYL TIN ACETATE | |
| Notes on the systematics and distribution of some <i>Tribolium</i> species (Coleoptera: Tenebrionidae). | 12953 | Histological studies of tests in rats treated with certain insect chemosterilants. | 1359O |
| TRIBOLIUM CASTANEUM | | TRIPHENYL TIN CHLORIDE | |
| The comparative effects of vitamin deficiency on development and on adult fecundity of <i>Tribolium castaneum</i> . | 13005 | Histological studies of tests in rats treated with certain insect chemosterilants. | 1359O |
| Developmental rate and competitive ability in <i>Tribolium</i> . III. competition in unfavorable environments. | 1303Z | TRISTEZA (CITBUS) | |
| New findings concerning pheromones produced by <i>Trogoderma granarium</i> (Everts), (Coleoptera, Dermestidae). | 13143 | Factors affecting transmission of tristeza virus by melon aphids. | 13254 |
| Ontogeny and comparative radiation sensitivity in the confused flour beetle and strains of the red flour beetle. | 13494 | TROGOUERMA GRANARIUM | |
| Effect of high-amylose field corn on larval growth and survival of five species of stored-grain insects. | 1349B | New findings concerning pheromones produced by <i>Trogoderma granarium</i> (Everts), (Coleoptera, Dermestidae). | 13143 |
| Effectiveness of gamma irradiation for control of five species of stored-product insects. | 1350U | TROMBIDUCIDEA | |
| TRIBOLIUM CONFUSUM | | Occurrence of the larvae of "harvest or scrub itch-mites" (Acarina, Trombidioidea) on a scorpion. | 13135 |
| Developmental rate and competitive ability in <i>Tribolium</i> . III. competition in unfavorable environments. | 1303Z | TROPICAL AGRICULTURE | |
| Ontogeny and comparative radiation sensitivity in the confused flour beetle and strains of the red flour beetle. | 13494 | Weed control in the tropics. | 13394 |
| Effectiveness of gamma irradiation for control of five species of stored-product insects. | 1350U | TUBERCULOSIS | |
| TRIBUTYL PBOFPBCBCTFIRTHIOATE, S,S,S- | | Tuberculosis in birds-of-prey. | 13415 |
| UEP. in: Zweig, Analytical methods for pesticides, plant growth regulators, and food additives. vol. iv. herbicides. 395 ZS. | 13554 | The relationship between bovine farcy and tuberculosis. | 1343Z |
| TRICHLORFCN | | Control of bovine tuberculosis in some countries. | 1344Z |
| The influence of a sub-acute infection of polyhedrosis virus in the cabbage looper on susceptibility to chemical insecticides. | 13047 | TUNGSTIC ACID | |
| Effect of endrin and trichlorfon applied in artificial diet against larvae of sugar-cane borer <i>Diatraea saccharalis</i> (F.) (Lep., Pyralidae). | 13049 | Changes of the wing pattern in the moths of the genus <i>Zygaena</i> Fahr. (Lepidoptera, Zygaenidae) obtained by intrapupae injections. | 1302B |
| <i>Ostrinia nubilalis</i> Hubner, injurious to globe artichoke in Egypt (Lepidoptera: Pyralidae). | 13300 | TURKEY MEAT | |
| TRICHLOROENZYLOXYALKYL ESTER | | Salmonellae associated with further-processed turkey products. | 13503 |
| Herbicidal method employing trichloroethoxyalkyl esters of chlorinated aliphatic acids. patent 3,338,703. | 1368I | Use of immunofluorescence and animal tests to detect growth and toxin production by <i>Clostridium botulinum</i> type E in food. | 13507 |
| TRICHCUEBMA | | TYPHLODROMUS | |
| Effects of three soil-inhabiting fungi on axenic peanut plants. (abstract). | 13216 | New species of the genus <i>Typhlodromus</i> from Sudan (Acarii Phytoseiidae). | 12947 |
| TRICHOEUBMA TODICA | | TYROSINE | |
| Antiviral antibiotic from <i>trichoderma todica</i> and method of producing same. patent 3,323,996. | 13673 | Natural substrates of the phenoloxidase in the pupal blood of the silkworms, <i>Antheraea pernyi</i> and <i>A. encalypti</i> . | 13040 |
| TRICHOPLUSIA NI | | Nitritive effects of alanine, cystine, glycine, serine, and tyrosine on the silkworm, <i>Bombyx mori</i> . | 1306Z |
| The influence of a sub-acute infection of polyhedrosis virus in the cabbage looper on susceptibility to chemical insecticides. | 13047 | ULMUS | |
| Fatty acid composition of the diet and larvae and biosynthesis of fatty acids from 14C-acetate in the cabbage looper, <i>Trichoplusia ni</i> . | 1309B | Biology of radicolous aphids on maize. | 13299 |
| | | ULMUS BOLLANUICA | |
| | | Factors determining resistance of elms to <i>Ceratocystis ulmi</i> . | 13227 |
| | | ULTRA LOW VOLUME APPLICATION | |
| | | ULV aerial insecticide application for adult mosquito control. | 13166 |
| | | Ultra-low volume and conventional aerial sprays for control of adult salt-marsh mosquitoes, <i>Aedes sollicitans</i> (Walker) and <i>Aedes taeniorhynchus</i> (Wiedemann), in Florida. | 13174 |
| | | Control of mosquito adults and larvae with ultra-low volume aerial applications of Baygon and Baygon-Baytex mixture. | 1318B |
| | | Effect of environmental and biological factors on | |

SUBJECT INDEX

| | | VIRUS DISEASES (PLANTS) |
|---|--|---|
| persistence of malathion applied as ultra-low-volume or emulsifiable concentrate to cotton plants. | 13607 | VEGETABLES Atlas of diseases and pests of vegetables. SB731. A4. 13203 |
| How we modified a back pack sprayer for ULV insecticide applications. | 13694 | Insects of the season 1966 related to fruit, vegetables and ornamentals. 13325 |
| ULTRAVIOLET RAYS Photodecomposition of dieldrin and aldrin. | 13056 | Bioassay of insecticides for control of <i>Drosophila melanogaster</i> . 13369 |
| Preparations of aflatoxins and determination of their ultraviolet and fluorescent characteristics. | 13488 | Economically important nematodes in Ontario, 1966.. 13391 |
| Review of the metabolism and decomposition of diguaf and paraguaf. | 13541 | Recent research on the fate of herbicides in crop plants. in: Isotopes in weed research; proceedings of a symposium vienna 25-29 October 1965. s589.S9. 13404 |
| UNITED STATES Initiation of the <i>Aedes aegypti</i> eradication programme of the USA. | 13179 | Possible appearance of degradation products of paraguaf in crops. in: Isotopes in weed research; proceedings of a symposium, Vienna, 25-29 October 1965. s589.S9. 13629 |
| URACIL Response of <i>Heterodera trifolii</i> in red clover roots to Azauracil and other inhibitors. | 13382 | VENOMS Vasoactive peptides in venoms. 13591 Comparative pharmacology of some animal toxins. 13594 |
| UREA COMPOUNDS Herbicidal composition and method= patent 3,330.641. New extraction system for residue analyses. | 13406 13565 | VERTEBRATES A guide to helminth species described from African vertebrates. 9L757.033. 13479 |
| UREDINALES Natural enemies of rust fungi in the tropics. (abstract). | 13221 | Dynamics of organochlorine insecticides in vertebrates and ecosystems. 13593 |
| URIC ACID Cortisol and growth in insects. | 13093 | VERTICILLIUM ALBO-ATROM Effect of <i>Thielaviopsis basicola</i> root rot of cotton on incidence and severity of <i>Verticillium</i> wilt. 13245 |
| URIDINE Response of <i>Heterodera trifolii</i> in red clover roots to Azauracil and other inhibitors. | 13382 | VESPIDAE The social Vespidae of central Europe. 9L568.v5K4. 12961 |
| URINE Metabolism of radioactive cesium (134Cs and 137Cs) and potassium by dairy cattle as influenced by high and low forage diets. Effect of ethylene dibromide fumigated feed on animals. SF97.E6. Metabolism of C-14-endothall in rats. | 13548 13579 13597 | VIBRIO PENTOSACTEENS Bovine vibriosis vaccine and method of administering same. patent 3,329,573. 13422 VIBRIOSIS Bovine vibriosis vaccine and method of administering same. patent 3,329,573. 13422 |
| OSSB Diseases of forest plantings in Siberia. SB761 .A35. | 13199 | VIROCIDES Reactions of peach trees and peach tree viruses to treatment with dimethyl sulfoxide and other chemicals. 13262 Pharmaceutical compositions and methods utilizing 2-aminoadamantane and its derivatives. patent 3,328,251. 13671 |
| USTILAGO BOBDEI Degradation of aromatic amino acids by fungi. II. purification and properties of phenylalanine ammonia-lyase from <i>Ustilago hordei</i> . | 13628 | Antiviral antibiotic from <i>trichoderma todiaca</i> and method of producing same. patent 3,323,996. 13673 |
| VACCINES Immunizing pigs against hog cholera with selected strains of live virus diarrhoea virus and preparation of virus diarrhoea virus hyper-immune hog cholera serum. patent 3,346,456. The control and eradication of brucellosis. i. serological responses in cattle following vaccination with S.19 and killed <i>Eruccella</i> 45/20 adjuvant vaccine. The influence of Ei Newcastle disease vaccine upon immunity by revaccination with tissue culture Newcastle disease vaccine. Bovine vibriosis vaccine and method of administering same. patent 3,329,573. A trial in goats of an inactivated staphylococcal polyvalent somatic antigen vaccine against mastitis. The protection of calves against infection with <i>Salmonella typhimurium</i> by means of a vaccine prepared from <i>Salmonella dublin</i> (strain 51). | 13408 13416 13417 13422 13430 13441 | VIRUS DIARRHEA Immunizing pigs against hog cholera with selected strains of live virus diarrhoea virus and preparation of virus diarrhoea virus hyper-immune hog cholera serum. patent 3,346,456. 13408 VIRUS DISEASES (PLANTS) Properties of white clover mosaic virus from Indiana. 13207 Partial infection with potato virus YN of tubers from primarily infected potato plants. 13210 Effects of removal of leaves and tops on translocation of potato virus X and potato virus YN in potato plants. 13211 Electron microscopy of plant viruses; bibliography 1939-1965. 13213 Reactivity of tobacco mosaic virus and its protein toward acetic anhydride. 13228 Effects of tomato ringspot virus plant and fruit development of raspberries. 13230 |
| VALINE Effect of age on (14C)valine turnover into locust wing proteins. | 13058 | Some aspects of the barley yellow dwarf virus disease in Manitoba. 13232 |
| VAPORS Retention of vaporized lindane by plants and animals. | 13602 | Heat treatment and meristem culture for the production of virus-free plant material. 13237 Biochemistry of virus infection. v. change in nuclear content of host cells infected by viruses. in: Hirocha, C. J., and Uritani, I., ed. the dynamic role of molecular con- |

SUBJECT INDEX

VIRUS HEPATITIS

- stiments in plant-parasite interaction. proceedings, conference held May 15-21, 1966, Gamagori, Japan. SB611.C6. 13249
- Factors affecting transmission of tristeza virus by melon aphids. 13254
- Chenopodium guinea, a herbaceous test plant for chlorotic leaf spot virus in apple. 13260
- Reactions of peach trees and peach tree viruses to treatment with dimethyl sulfoxide and other chemicals. 13262
- Differences in aggressiveness between TMV-ISOLATES from tomato on clones of Lycopersicon peruvianum. 13265
- Yield of glasshouse tomatoes as affected by strains of tobacco mosaic virus. 13266
- Some properties of the double-standard RNA of rice dwarf virus. in: Mirocha, C. J., and Oritani, I., ed. the dynamic role of molecular constituents in plant-parasite interaction. proceedings, conference held May 15-21, 1966, gamagori, Japan. SB611.C6. 13276
- The biochemistry of plant virus infection. in: Mirocha, C. J., and Uritani, I., ed. the dynamic role of molecular constituents in plant-parasite interaction; proceedings of a conference held May 15-21, 1966, Gamagori, Japan. SB611.C6. 13277
- Virus etiology of foliar vein-flecking or ring pattern, and fruit russetting or blotch on apple. 13288

VIRUS HEPATITIS

- Indirect hemagglutination with duck hepatitis virus. 13455

VIRUS X (POTATOES)

- Effects of removal of leaves and tops on translocation of potato virus X and potato virus YN in potato plants. 13211

VIRUS YN (POTATOES)

- Partial infection with potato virus YN of tubers from primarily infected potato plants. 13210

- Effects of removal of leaves and tops on translocation of potato virus X and potato virus YN in potato plants. 13211

VIROSES

- Polymerization-depolymerization of tobacco mosaic virus protein. x. effect of D2O. 13240

- Polymerization-depolymerization of tobacco mosaic virus protein. VIII. light-scattering studies. 13273

VISION

- Insect communication. 13021

- Optical orientation of the honey bee (Apis mellifica) according to the frontal angle of the perceived striated pattern. 13141

VITAMIN A

- Vitamin A deficiency in young cattle. 13450

VITAMIN B6

- Isoniazid toxicosis in ducklings: studies on pyridoxine, niacin, glutamic acid, and arginine supplementation. 13412

VITAMIN D

- Influence of vitamin D on calcium metabolism and the parathyroid glands of cattle. 13413

VITAMINS

- The comparative effects of vitamin deficiency on development and on adult fecundity of Tribolium castaneum. 13005

- An artificial diet and some growth factor requirements for the pale western cutworm. 13070

- The effects of diet on reproduction in pigs, sheep and cattle. VI: cattle-protein, vitamins, minerals and other dietary substances. 13454

VOLATILE SUBSTANCES

- Hazards of herbicide drift. 13586

VOLUMETRIC ANALYSIS

- Comparative titration of eastern encephalitis virus in cell suspension and in cultures of duck embryo fibroblasts. 13423

VORTICELLA

- Observations on Culex pipiens larvae infested with Vorticella sp. 13180

WAFRABIN

- Taste preferences in rodenticide development. 13635

WASTE DISPOSAL

- Aquatic insects associated with midwestern waste stabilization lagoons. 13514

- Anaerobic lagoon treatment of milking-parlor wastes. 13515

- Design of a modern meat-packing waste treatment plant. 13519

- Disposal and decontamination of agricultural chemical containers. 13588

WATER

- Responses of tarsal hairs of the bluebottle, Calliphora erythrocephala Meig., to sugar and water. 13102

- Ion movements and water transport in the rectum of the locust Schistocerca gregaria. 13133

WATER POLLUTION

- Anaerobic degradation of selected chlorinated hydrocarbon pesticides. 13513

- Water pollution control and abatement. TD420.W45. 13520

- Problems in WHO on pesticide residues. in: Radioisotopes in the detection of pesticide residues; proceedings of a panel Vienna 12-16 April 1965. SB953.P32. 13570

- Toxicity evaluation of a technique for introducing dieldrin into water. 13580

WATER TREATMENT

- Laboratory and field investigations of mosquito populations associated with oxidation lagoons in Missouri. 13185

- Anaerobic lagoon treatment of milking-parlor wastes. 13515

WAXES

- Chemical and physical nature of plant cuticles in relation to the deposition and penetration of pesticides. in: Radioisotopes in the detection of pesticide residues; proceedings of a panel, Vienna, 12-16 April 1965 SB953. P32. 13623

WEATHER

- Observations on the alfalfa leaf-cutter bee, Megachile rotundata, at Hodgson, Manitoba in 1966. 13112

WEED CONTROL

- Weed control in the tropics. 13394

- Method for pre-emergence control of undesirable plant life. patent 3,350,192. 13402

- Substituted norbornene herbicides. patent 3,324,147. 13640

WEEDS

- Seminar session on current problems in weed research and possible application of nuclear techniques. in: Isotopes in weed research; proceedings of a symposium Vienna 25-29 October 1965. SB89.S9. 13398

- Acacia nilotica (L.) Del. subsp. kraussiana (Benth.) Brenan. as a poisonous plant in South Africa. 13457

WETTABLE POWDERS

- Pesticidal wettable powder formulation. patent 3,342,581. 13686

WHEAT

- Effect of antagonists on growth and survival of Rhizoctonia solani in soil. 13204

- Micro-organisms in the root region of wheat. literature review. 13231

- Effect of Puccinia recondita infection on the RNA composition of wheat leaves. 13239

- Differential resistance of cell walls of Acer pseudo-

SUBJECT INDEX

ZOOGEOGRAPHY

| | | | |
|--|-------|--|-------|
| platanus, Triticum vulgare, Hordeum vulgare, and Zea mays to polysaccharide-degrading enzymes. | 13247 | house fly, Musca domestica L. | 13114 |
| Influence of light intensity on the reactions of wheat and barley seedlings to Fuccinia striiformis. | 13275 | Flight in Drosophila. III. aerodynamic characteristics of fly wings and wing models. | 13139 |
| Host range of larvae of the northern corn rootworm (Coleoptera: Chrysomelidae). | 13309 | WOOD | |
| Phytotoxicity and wireworm-control efficacy of insecticidal dressings applied to cereal seed up to a year before planting. | 13310 | Preference for wood of different degrees of dampness in some termites from Cuba (Isoptera). | 13497 |
| Genetics of resistance to leaf rust in the common wheat varieties Wehster, Loros, Brevit, Carina, Malakof, and Centenario. | 13319 | WOODPECKERS | |
| The effect of wheat bug control chemicals on other wheat pests. | 13326 | Predatory and energetic relations of woodpeckers to the Engelmann spruce beetle. SR996.W6K6. | 13342 |
| Preparations of aflatoxins and determination of their ultraviolet and fluorescent characteristics. | 13488 | X-RAYS | |
| Plant growth regulant. biochemical behavior of 2-chloroethyl trimethylammonium chloride in wheat and in rats. | 13526 | Further studies on the effect of X-irradiation on the house fly, Musca domestica L. | 13114 |
| Determination of chlorocholine chloride residues in wheat grain, straw, and green wheat foliage. | 13560 | Kinetic organization of Lepidoptera chromosomes. | 13144 |
| Effect of benzisidazole and kinetin on the nicotinamide nucleotide content of senescing wheat leaves. | 13626 | Ontogeny and comparative radiation sensitivity in the confused flour beetle and strains of the red flour beetle. | 13494 |
| WHEAT GERM | | XANTHINE DEHYDROGENASE | |
| The relationship of the fatty acid composition of <i>Seliothis zea</i> larvae to that of its diet. | 13117 | Evolution of xanthine dehydrogenase in <i>Drosophila</i> . | 13036 |
| Effects of natural (sorghum) and artificial (wheat germ) diets on development of the corn earworm, fall armyworm, and southwestern corn borer. | 13302 | The wild type phenocopy of the rosy mutant of <i>Drosophila melanogaster</i> and its relation to xanthine dehydrogenase activity. | 13120 |
| WHITE CLOVER | | XANTHOMONAS | |
| Influence of sprinkler irrigation and four forage crops on populations of soil microorganisms including those antagonistic to <i>Sclerotium rolfsii</i> Sacc. | 13222 | Linkage studies on the resistance to bacterial leaf blight, <i>Xanthomonas oryzae</i> (Oyeda et Ishiyama) Dowson, in rice. | 13269 |
| WILDLIFE | | XENOCELIDIA | |
| Importance of an interdisciplinary approach. in: FAO symposium on integrated pest control, Rome, 1965. proceedings. SB951. F62. | 13327 | New neotropical Neocoelidiinae with keys to the species of Coelidiana, Xenocoelidia, and Melidina (Homoptera: Cicadellidae). | 12963 |
| The natural history of zoocoses. | 13453 | XIPHINEMA AMERICANUM | |
| Comparative toxicity of rodenticides. | 13502 | Dual transmission of tobacco ringspot virus and tomato ringspot virus by <i>Xiphinema americanum</i> . | 13383 |
| DDT problems at a glance. | 13532 | XYLEM | |
| WILDLIFE FESTS | | Physiology of wilt disease. in: Mirocha, C. J., and Uritani, I., ed. the dynamic role of molecular constituents in plant-parasite interaction. proceedings, conference held May 15-21, 1966, Gramagori, Japan. SB611.R6. | 13225 |
| Contact avicides. patent 3,340,142. | 13592 | YELLOW DWARF (BARLEY) | |
| WILT | | Some aspects of the barley yellow dwarf virus disease in Manitoba. | 13232 |
| Physiology of wilt disease. in: Mirocha, C. J., and Uritani, I., ed. the dynamic role of molecular constituents in plant-parasite interaction. proceedings, conference held May 15-21, 1966, Gramagori, Japan. SB611.R6. | 13225 | YELLOW FEVER | |
| WILT (COTTON) | | <i>Aedes aegypti</i> and yellow fever. | 13187 |
| Effect of <i>Thielaviopsis basicola</i> root rot of cotton on incidence and severity of <i>Verticillium</i> wilt. | 13245 | YELLOW VEIN (CUCUMBERS) | |
| WILT (QUERCUS) | | Dual transmission of tobacco ringspot virus and tomato ringspot virus by <i>Xiphinema americanum</i> . | 13383 |
| The importance of insects to the spreading of oak wilt. | 13350 | ZAGROSIA | |
| WILT (TOMATOES) | | Review and preliminary diagnosis of some Pamphagidae and Acrididae from Iran (Orth. acridoidea). | 12946 |
| The occurrence of acid hydrolyzable phenolics in relation to <i>Fusarium</i> wilt disease in tomato plants. | 13283 | ZADIATRAEA GRANDIOSELLA | |
| WIND | | Effects of natural (sorghum) and artificial (wheat germ) diets on development of the corn earworm, fall armyworm, and southwestern corn borer. | 13302 |
| The effect of wind direction on the index of diversity of night flying Lepidoptera in a particular area. | 13051 | ZINC | |
| WINGS (INSECTS) | | Influence of copper and zinc on the incidence of potato scab. | 13217 |
| Changes of the wing pattern in the moths of the genus <i>Zygaena</i> Fabr. (Lepidoptera, Zygaenidae) obtained by intrapupae injections. | 13028 | ZOOGEOGRAPHY | |
| Effect of age on (14C)valine turnover into locust wing proteins. | 13058 | Data concerning the Hungarian dragonfly fauna (Odonata). | 12934 |
| Further studies on the effect of X-irradiation on the | | Entomology of Antarctica. GL491.G7. | 12952 |
| | | Notes on the systematics and distribution of some <i>Triholina</i> species (Coleoptera: Tenebrionidae). | 12953 |
| | | Further records of New Jersey aphids (Homoptera: Aphididae). | 12968 |
| | | The fleas (Siphonaptera) of Egypt. an illustrated and annotated key. | 12969 |
| | | Apterous aphids in water, wind, and suction traps. | 12972 |

SUBJECT INDEX

ZOOLOGICAL GARDENS

The distribution, density and seasonal prevalence of *Aedes aegypti* in West Africa. 12992

Records of the orthopteroid insects in Ontario. 12994

The European pine shoot moth, *Rhyacionia buoliana* (Lepidoptera: Olethreutidae), another introduced forest pest. 13332

ZOOLOGICAL GARDENS

Distemper outbreak in a zoo. 13447

ZOOCONSES

The natural history of zoonoses. 13453

Summary of recent abstracts. ix. helminthiasis. 13467

ZYGAEWA

Changes of the wing pattern in the moths of the genus *Zygaena* Fabr. (Lepidoptera, Zygaenidae) obtained by intra-pupae injections. 13028

BIOGRAPHICAL INDEX

Searl, R C

| | | | |
|--|-------|--|----------------|
| Adams, F E U.S. Department of Agriculture, Beltsville Agricultural Research Service Crops Research Division | 13198 | Admiralty Materials Laboratory, Holton Heath, England Hindy, B U.a.r. Ministry of Agriculture, Dokki Plant Protection Department Division of Fruit and Wood Tree Insect Investigations | 13485 13334 |
| Afifi, A M U.a.r. Ministry of Scientific Research, Cairo Agricultural Research Centre Biological Control Unit | 13489 | Janarthanan, R Agricultural College and Research Institute Faculty of Entomology | 13337 |
| Agthe, C World Health Organization, Geneva | 13523 | Jansen, J Netherlands State University, Utrecht Institute of Veterinary Parasitology and Parasitic Disease | 13466 |
| Ahren, A W Campbell Institute For Food Research, Camden, N.J. | 13691 | Jewell, P F Louisiana Polytechnic Institute, Ruston Department of Forestry | 13238 |
| Assem, M A H U.a.r. Ministry of Agriculture, Dokki Plant Protection Department | 13300 | Johnson, L B University of California, Davis Department of Agronomy | 13239 |
| Attia, E U.a.r. Ministry of Agriculture, Dokki Stored Products Pests Investigations | 13490 | Kaeding, W W Mobil Chemical Company, Metuchen, N.J. Central Research Laboratory | 13069 |
| Baker, K F University of California, Berkeley | 13204 | Korte, F Rheinische Friedrich Wilhelm University, Bonn | 13551 |
| Bancroft, J E Purdue University, Lafayette, Indiana Department of Botany and Plant Pathology | 13206 | Kramer, J P U.S. Department of Agriculture, Washington, D.C. Agricultural Research Service Entomology Research Division | 12963 |
| Bancroft, J E Purdue Agricultural Experiment Station, Lafayette, Ind. | 13207 | Laabert, H L U. S. Department of Agriculture, Asheville, North Carolina Forest Service Division of Forest Pest Control | 13076 |
| Bazzi, B Istituto Agrarie Scocieta Montecatini, Milan, Italy | 13524 | Lane, J B U.S. Rubber Company, Naugatuck, Connecticut Naugatuck Chemical Division Residue Analysis Group | 13552 |
| Belloff, G B American Scientific Laboratories | 13468 | Loos, C A Banana Board of Jamaica, Kingston Gardens | 13386 |
| Begner, B I Nuclear Science and Engineering Corporation, Pittsburgh | 13527 | Lopez, L C Mexico Instituto Nacional de Investigaciones Agricolas Departamento de Fitopatologia | 13487 |
| Bram, B A Smithsonian Institution, Washington, D.C. Department of Entomology Southeast Asia Mosquito Project | 12937 | MacDougall, D Chemagro Corporation, Kansas City, Missouri Research and Development | 13554 |
| Chinn, S H F Canada Department of Agriculture, Saskatoon Research Station | 13219 | Martin, J T University of Bristol, Long Ashton, United Kingdom Department of Agriculture and Horticulture Research Station | 13623 |
| Christell, B Isotope Techniques Laboratory, Stockholm | 13534 | Mathre, D E University of California, Davis Department of Plant Pathology | 13245 |
| Christensen, C M University of Minnesota, Saint Paul Department of Plant Pathology | 13484 | McNab, J M University of Colorado, Boulder Department of Chemistry | 13247 |
| Clark, I E C.S.I.B.C Division of Entomology | 12943 | Methratta, T P Wallace and Tiernan, Inc., Belleville, N.J. Central Research | 13558 |
| Crosskey, R W Great Britain Commonwealth Institute of Entomology, London | 12944 | Nasr, El S A Cairo University Faculty of Agriculture Plant Protection Department | 13096 |
| Dropkin, V B U.S. Department of Agriculture, Beltsville Agricultural Research Center Crops Research Division | 13381 | Nelson, D L Chemagro Corporation Research AND Development Dept. Animal Health Section | 13434 |
| Elgersma, D M Willi Cornelis Scholten, Baarn, The Netherlands | 13227 | Nixon, G E J Great Britain Commonwealth Institute of Entomology, London | 12974 |
| Endo, B Y U.S. Department of Agriculture, Beltsville Agricultural Research Center Crops Research Division | 13382 | Olsen, C M Litton Industries, Palo Alto, California Atherton Division Biological and Applications Research | 13256 |
| Flint, C S Smithsonian Institution, Washington, D.C. Department of Entomology | 12950 | Peterson, R E U.S. Department of Agriculture, Peoria, Illinois Agricultural Research Service Northern Utilization Research and Development Division | 13655 |
| Frakenhuyzen, A V Netherlands Plantenziektenkundige Dienst | 13229 | Robinson, J Shell Research Ltd. Tunstall Laboratory, Sittingbourne, Kent | 13593 |
| Fulton, J F University of Arkansas, Fayetteville Department of Plant Pathology | 13383 | Bosekranz, E University of Wisconsin, Madison Department of Plant Pathology | 13268 |
| Hamilton, I M U.S. Department of Agriculture Agricultural Research Service Plant Pest Control Division | 13235 | Bowley, W A Washington State University, Pullman | 12986 |
| Barakly, F A U.a.r. Ministry of Agriculture, Cairo Plant Protection Department | 13329 | Buzicka, J H Great Britain Laboratory of the Government Chemist, London | 13667 |
| Barakly, F A U.a.r. Ministry of Agriculture, Dokki Plant Protection Department | 13330 | Scanlon, J E Smithsonian Institution, Washington, D.C. Southeast Asia Mosquito Project | 12988 |
| Hassanein, M A Assiut University, U.a.r. Faculty of Agriculture Plant Protection Department | 13496 | Searl, R C | |
| Hearst, B E Loyola Medical School Department of Microbiology | 13421 | | |
| Heath, C F Medical Research Council Laboratories, Carshalton, Surrey | 135B5 | | |
| Hendley, B I | | | |

BIOGRAPHICAL INDEX

| | |
|---|-------|
| Shepherd, B J | |
| Port Dodge Laboratories | 13446 |
| Shepherd, B J | |
| Wisconsin Alumni Research Foundation | 13272 |
| Smith, J W | |
| North Carolina State University, Raleigh, N.C. | |
| Pesticide Residue Research Laboratory | 13568 |
| Strassen, B ZH | |
| Natur-Museum und Forschungs-Institut Senckenberg | 12991 |
| StubbS, B W | |
| Wageningen Institute voor Plantenziektenkundigonderzoek | 13275 |
| Subbarao, B V | |
| Sri Venkateswara University | |
| Department of Zoology | 13135 |
| Tengerdy, B F | |
| U.S. Dept. of Agriculture | |
| Colorado State University | |
| College of Veterinary Medicine | |
| Department of Microbiology | 13456 |
| Whitaker, D E | |
| University of Arizona, Tucson | |
| Department of Entomology | 13602 |
| Whittemore, F W | |
| Food and Agriculture Organization of the United Nations | |
| Plant Production and Protection Division | 13603 |
| Widmark, G | |
| University of Stockholm | |
| Institute of Analytical Chemistry | 13684 |
| Wilson, E E | |
| University of California, Davis | |
| Department of Plant Pathology | 13290 |

AOTBOR INOEX

Poster, E M

| | | | | | | | |
|-------------------|-------|-------------------|-------|-------------------|-------|-----------------|-------|
| Aalders, I E | 13197 | Eergen, H J | 13700 | Carthy, J D | 13021 | Davis, G R F | 13031 |
| Ahe, H | 13624 | Fernardi, G | 12935 | Cary, E E | 13429 | Oavis, R E | 13564 |
| Adams, F E | 13198 | Beroza, M | 13308 | Case, J F | 13042 | Dawson, K | 13538 |
| Adiyodi, K G | 13002 | 1352B, 13529, | 13530 | Cavala, M | 12939 | Oawson, P S | 13032 |
| Adkins, T E | 13690 | 13637 | | Chada, H L | 13302 | Oay, W H | 13506 |
| Adkissor, F L | 13296 | Ferre, J R Le | 13010 | Chadwick, G G | 13580 | Oean, H A | 13305 |
| Adler, B E | 13436 | Ferry, D M | 13451 | Chandra, H | 13012 | Deffner, J | 13504 |
| Aelle, W | 13003 | Fertrand, H | 12936 | Chang, C T | 13216 | Oekhuijzen, H M | 13223 |
| Afifi, A M | 13489 | Fetz, J T | 13011 | Chapman, H C | 13022 | Demuyneck, D | 13224 |
| Agthe, C | 13523 | Ehamburkar, M W | 13089 | 13177 | | Deoras, P J | 13501 |
| Ahmed, A A S | 13407 | Ehatia, O B | 13012 | Charkey, L W | 13427 | Oesaty, O | 13612 |
| Ahren, A W | 13691 | Ehatnagar, P L | 13114 | Chatenet, G Du | 12940 | Descamps, M | 12946 |
| Akai, S | 13200 | Ehuyan, B K | 13644 | Chatterji, S M | 13313 | Dethier, V G | 13033 |
| Akazawa, T | 13201 | Eidwell, R G S | 13620 | Chaudhary, K C B | 13217 | Dimond, A E | 13225 |
| Akintonwa, D A A | 13575 | Bigalke, R | 13457 | Chen, T A | 13385 | Oishon, I | 13253 |
| Akune, S | 13075 | Ellis, D D | 13525 | Cheong, W H | 13023 | Oixon, J M | 13417 |
| Alhersheim, F | 13247 | Eily, S | 12958 | Chia, M | 13574 | Dlugokecka, T | 13034 |
| Aldrich, F O | 13653 | Birchfield, W | 13380 | Chien, C C | 13218 | Oogra, G S | 13035 |
| Altaro, E | 13097 | Blandford, T B | 13411 | Chinn, S H F | 13219 | Doherty, J O | 13578 |
| Algera, I | 13202 | Flickenstaff, C C | 13312 | Chomiak, T W | 13414 | Dohring, E | 12961 |
| Allaway, W H | 13429 | Flinn, B C | 13526 | Chopard, L | 12941 | Ooolittle, R E | 13637 |
| Allen, A D | 13434 | Bodily, H L | 13507 | Chopra, M P | 12942 | Ooon, D | 13493 |
| Allen, E J | 13357 | Podnaryk, R P | 13013 | Christell, B | 13534 | Dorfman, E | 13681 |
| Allen, W E | 13297 | Foerema, G B | 13212 | Christensen, C M | 13484 | 13683 | |
| Allen, W S | 13417 | Fogner, R L | 13527 | 13487 | | Dorough, H W | 13535 |
| Altman, B M | 13157 | Bohn, W R | 13562 | Christiansen, L M | 13504 | Drake, C R | 13613 |
| Alumot, E | 13579 | Foistel, J | 13019 | Christopher, K J | 13135 | Dropkin, V H | 13381 |
| Alwin, S | 13203 | 13020 | | Chung, R A | 13581 | Dudzinski, A | 13126 |
| Anand, B K | 13343 | Boles, H P | 13492 | Cihulka, J J | 13639 | Duffy, T R | 13510 |
| Anderson, D E | 13298 | Foling, J C | 13305 | Ciegler, A | 13655 | Duggan, R E | 13538 |
| Anderson, E I | 13163 | Fomhosch, S | 13306 | Clark, E W | 13314 | Duke, E J | 13036 |
| Anderson, N H | 13298 | Fondi, A | 13579 | Clark, J | 13411 | Ouncan, C L | 13505 |
| Anderson, E I | 13004 | Fonner, F L | 13540 | Clark, L R | 12943 | Dunham Jr, M L | 13614 |
| Andrasfalvy, P | 13299 | Fonnet, D D | 13706 | Cohhins, R B | 13440 | Dunleavy, J M | 13243 |
| Anonymous, | 13191 | Foreham, M M | 13157 | Coker, W Z | 13145 | Ounn, A M | 13477 |
| 13467 | | Eotta, J A | 13412 | 13146 | | Durhin, B D | 13226 |
| Apahlaza, J U | 13364 | Eottger, G T | 13307 | Cole, C R | 13413 | Durie, P H | 13471 |
| Applebaum, S W | 13005 | Fourke, J B | 13531 | Cole, L R | 13315 | Dury, K | 13660 |
| Arai, N | 13062 | Fowman, M C | 13308 | Collins, W B | 13609 | 13662 | |
| Archibald, E M | 13481 | 13528, 13529, | 13530 | Colloms, M | 13228 | Dyck, P L | 13319 |
| Arnold, H | 13539 | Foyd, J E | 13583 | Cooksey, K E | 13634 | 13367 | |
| Asahi, T | 13282 | Bozarth, G A | 13541 | Coon, R E | 13439 | Edgerton, L J | 13539 |
| Askev, W I | 13297 | Fradley, R E | 13419 | Cooper, J E | 13415 | Edwardson, J R | 13287 |
| Assen, M A B | 13300 | Frab, B A | 12937 | Coppede, J R | 13016 | Egelhaaf, A | 13148 |
| Attia, E | 13490 | Brandes, J | 13213 | 13535 | | Eilingsfeld, H | 13678 |
| Auclair, J I | 13006 | Erannaman, B L | 13239 | Corhet, P S | 13024 | El Sayed, E I | 13540 |
| Avens, A W | 13531 | Eranson, T F | 13309 | Corley, G W | 13564 | Elhadry, E A | 12947 |
| Awad, T M | 13301 | Erazzel, J B | 13607 | Cornwell, G W | 13572 | Eldridge, J M | 13674 |
| 13607 | | Fremner, K C | 13471 | Cornwell, P B | 13635 | Elek, P | 13471 |
| Axtell, B C | 13491 | Erenzoni, E Q | 13610 | Costa, H M A | 13470 | Elgersma, D M | 13227 |
| Ayres, J C | 13503 | Freuning, S | 12938 | Costa, J J | 13610 | Ellen, J | 13289 |
| 13508 | | Erezina, B | 13109 | Couillaud, P | 13193 | Emerson, K C | 12981 |
| Baart, E F | 13696 | Eridge, P S | 13450 | Coutts, H H | 13611 | Endo, B Y | 13382 |
| Bailey, D I | 13302 | Eroderick, E J | 13531 | Covington, B M | 13354 | Engel, D | 13599 |
| Baker, J A | 13408 | Eromfield, K B | 13214 | Cowan, P T | 13316 | Engels, W | 13037 |
| Baker, K F | 13204 | Brown, A W A | 13014 | 13702 | | Enns, W R | 13185 |
| 13256 | | 13532 | | Coyne, J F | 13317 | 13514 | |
| Baker, E. | 13205 | Brown, B W | 13581 | Craig, D L | 13197 | Erdaan, H E | 13494 |
| Balhoni, E R | 13007 | Erunsdon, E V | 13469 | Craig, G B | 13147 | Erwall, L G | 13534 |
| Balevsky, A | 13303 | Erust, B A | 13015 | 13162 | | Ettershank, G | 13038 |
| Ball, B C | 13509 | Bryan, P L | 13503 | Crawford, R F | 13406 | Evans, H E | 12948 |
| Balogh, J | 12932 | Eudinger, F E | 13596 | Creelman, D W | 13220 | Evans, J J T | 13039 |
| Bancroft, J E | 13206 | Bull, D L | 13016 | Creighton, C S | 13025 | 13040 | |
| 13207 | | 13535 | | 13027 | | Evans, J M | 13418 |
| Banham, P L | 13304 | Full, J O | 13635 | Crisan, E V | 13636 | Pan, O F | 13615 |
| Baraud, J | 12933 | Bullock, M W | 13583 | Crittenden, H W | 13242 | Pang, S C | 13597 |
| Barnes, J M | 13576 | Burchfield, H P | 13552 | Crone, A D | 13026 | Farias, G J | 13355 |
| 13577 | | Furg, A C Van Der | 13202 | Cronenherger, L | 13656 | Farish, D J | 13041 |
| Barnes, W W | 13692 | Burke, J A | 13533 | Crosby, D G | 13056 | Farley, R D | 13042 |
| Baron, E I | 13578 | Burrage, R H | 13310 | Crosskey, R W | 12944 | Favard, A | 12949 |
| Bateman, E F | 13208 | Fursell, E | 13017 | 12945 | | Favett, A R | 13474 |
| Bauer, H | 13144 | Furt, E C | 13693 | Cuerrier, J P | 13536 | Fernandez, M | 13008 |
| Baxter, D V | 13209 | Furton, B B | 13436 | Cummings, J G | 13537 | Finlayson, D G | 13304 |
| Bazzi, E | 13524 | Furts, E C | 13311 | Cunningham, B | 13416 | Firestone, E | 13548 |
| Becht, G | 13123 | Futler, C G | 13018 | Cunningham, J L | 13221 | Firtel, R A | 13043 |
| Becker, M | 13409 | Buzicky, A W | 13694 | Curl, E A | 13222 | Fischer, A | 13660 |
| Beckett, F W | 13410 | Eyrne, H D | 13312 | Currie, J E | 13081 | 13661, | |
| Beckman, H | 13008 | Callec, J J | 13019 | Cuthbert, E B | 13025 | 13662 | |
| 13633 | | 13020 | | Cuthbert, P P | 13027 | Fishhein, L | 13606 |
| Beemster, A B E | 13210 | Calpouzos, L | 13215 | Cuthbert, R B | 13027 | Flentje, M T | 13204 |
| 13211 | | Camargo, S | 13160 | Dahrowski, J S | 13028 | Flentje, N T | 13256 |
| Beenackers, A M T | 13123 | Campbell, J G | 13451 | Oavron, B L | 13419 | Flessel, J K | 13370 |
| Behki, B M | 13608 | Canaris, A G | 13479 | Darlington, W A | 13345 | Flint, O S | 12950 |
| Bello, T B | 13009 | Cantrel, K E | 13592 | Oas, N M | 13318 | Flynn, A D | 13164 |
| Belloff, G B | 13468 | Capen, C C | 13413 | 13389 | | Fokkema, N J | 13202 |
| Belski, P | 13158 | Carlson, C W | 13458 | Dauer, M | 13114 | Foote, B A | 13357 |
| Belton, P | 13159 | Carlson, V L | 13449 | Davey, K G | 13029 | Forbes Jr, I | 13287 |
| Benedek, F | 12934 | Carlton, W W | 13412 | Davich, T B | 13323 | Ford, J B | 13072 |
| Bennett, M | 13251 | Carroll, K | 13633 | Oavies, D M | 13163 | Fordyce, C | 13216 |
| Berck, E | 13483 | Carter, O L | 13429 | Davis, C W C | 13030 | Forrest, D T M | 13418 |
| | | | | | | Poster, E M | 13504 |

AUTHOR INDEX

Poster, J

| | | | | | | | |
|--------------------|-------|------------------|-------|--------------------|-------|-------------------|-------|
| Foster, J | 13393 | Eassanein, M A | 13496 | Janarthanan, B | 13337 | Lanier, G N | 13344 |
| Foster, N E | 13546 | Eatanaka, A | 13584 | Jansen, J | 13466 | Lauffer, M A | 13240 |
| Fourche, J | 13044 | Eatbaway, O O | 13328 | Jarvis, J L | 13338 | 13273 | |
| Frankel-Conrat, H | 13228 | Hatherill, C W B | 13473 | Jasic, J | 13063 | Lauge, G | 13078 |
| Frankenbuizen, A V | 13229 | Hattori, H | 13624 | Jasper, D E | 13428 | Lawler, P O | 13622 |
| Franklin, F T | 13076 | Hauptmann, G A | 13605 | Jaworski, E G | 13555 | Lazar, V A | 13429 |
| Fredrickson, O L | 13290 | Hawlitzky, N | 13010 | Jay, S C | 13064 | Leaby, M G | 13079 |
| Freeman, J A | 13230 | Hayashi, M | 13054 | 13065 | | 13127 | |
| Freeman, C I | 13511 | Hayes, S C | 13055 | Jeun, J | 13285 | LeBerre, B | 13084 |
| Frye, J | 13374 | Fays, B L | 13590 | Jewell, F F | 13238 | Leclant, P | 12966 |
| Fuhrmann, T W | 13553 | Hearst, B B | 13421 | Johnson, J E | 13548 | Ledingham, B J | 13219 |
| Fukuda, S | 13045 | Heath, G B S | 13474 | Johnson, L B | 13239 | Lefkovich, L P | 13080 |
| Fukuto, T K | 13643 | Heath, O F | 13585 | Johnson, R H | 13424 | 13081 | |
| Fukutomi, M | 13200 | Hebert, C | 13445 | Jolly, R D | 13425 | Lehnert, T | 13082 |
| Fulton, J F | 13383 | Hedin, P A | 13374 | Jonas, W E | 13426 | Leigh, T F | 13083 |
| Funderburk, H H | 13541 | Feed, W S | 13073 | Jones, J C | 13066 | LeJambre, L F | 13478 |
| Furtick, W R | 13394 | Feinrichs, D H | 13333 | Jones, J E | 13380 | Lemaire, C | 12967 |
| Gadallah, L A | 13517 | Felboldt, C F | 13414 | Jones, M D R | 13067 | Leonard, M D | 12968 |
| Gale, G O | 13562 | 13462 | | Jong, C | 13068 | Lepper, A W O | 13430 |
| Gallego Garcia, E | 13582 | Hellrich, K | 13567 | Joshi, H C | 13349 | Lesse, H De | 13149 |
| Galun, E | 13046 | Hemming, P | 12954 | Judd, W W | 13339 | Levi, E | 13397 |
| Gams, W | 13231 | Henderson, G L | 13056 | Jung, H F | 12960 | Levin, A A | 13663 |
| Garber, S H | 13245 | Hendley, M I | 13485 | Kaeding, W W | 13668 | 13664, 13666 | |
| Garrtson, A L | 13642 | Hendrickson, B | 13556 | Kaji, J | 13069 | Lewis, S E | 12969 |
| Gasser, R | 13322 | Henrot, H | 12955 | Kalode, M B | 13278 | Lichtenstein, E P | 13553 |
| Gast, R T | 13323 | Ferberg, K J | 13542 | Kamath, S M | 13340 | 13566 | |
| Gatterdam, F F | 13583 | 13563 | | Kamel, A H | 13395 | Lindauer, M | 13141 |
| Gayle, C H | 13166 | Heron, R J | 13057 | Kanada, H | 13362 | Linder, J | 13405 |
| Geib, A F | 13695 | Herve, P | 12956 | Kano, A K | 13490 | 13681, 13683 | |
| Ghelfi, R A | 13610 | Heslop, J P | 13058 | Kasting, B | 13070 | Lindquist, D A | 13016 |
| Ghosh, A K | 12972 | Hibbs, J W | 13413 | 13496 | | 13363, 13535 | |
| Gibson, P A | 13324 | Hickerson, L H | 13639 | Kato, S | 13587 | Line, B P | 13244 |
| Giess, M C | 13107 | Hickey, W A | 13147 | Kaufman, O D | 13427 | Lisk, D J | 13539 |
| Gilbert, E F | 13649 | Hicks, L J | 13531 | Kearney, P C | 13070 | Little, E C S | 13398 |
| Gill, C C | 13232 | Higgins, R E | 13586 | Kato, S | 13087 | Ljninggren, K | 13534 |
| Ginns, J H | 13233 | Hill, D W | 13513 | Kaufman, O D | 13249 | Lloyd, E P | 13693 |
| Girard, C | 12951 | Hill, G N | 13443 | Kearney, P C | 13657 | Loehr, R C | 13515 |
| Girardeau, J H | 13047 | Bill, M | 13068 | 13657 | 13549 | Lofgren, C S | 13174 |
| Glassman, E | 13036 | Hilton, B E | 13584 | Keith, J A | 13536 | 13175 | |
| Goble, H W | 13325 | Hindy, B | 13334 | Kempe, L L | 13506 | Lombardo, P | 13649 |
| Gokal, T | 13542 | Hines, N W | 13520 | Kemper, H | 12961 | Loos, C A | 13386 |
| 13563 | | Hirai, T | 13236 | Kenaga, E E | 13069 | Loos, S B | 13386 |
| Geldblatt, L A | 13488 | Hirumi, H | 13385 | Kevan, O K M | 13294 | Lopez, L C | 13487 |
| Goodman, F N | 13234 | Fisson, G | 13207 | Khalifa, A | 13341 | Loux, H M | 13396 |
| Goplen, S F | 13358 | Fodgson, E | 13071 | Khalil, M T M | 13240 | Lubin, Y | 13005 |
| Gorbach, S | 13543 | Foelscher, C E | 13546 | Khan, M A Q | 13071 | Luca, Y Oe | 13085 |
| Goulding, B L | 13672 | Foerlein, A B | 13422 | Khan, M B | 13072 | Lukenbaugh, B W | 13399 |
| Graikoski, J T | 13506 | Foffmann, S L | 13165 | Kilgusagi, O | 13580 | Luckey, T D | 13086 |
| Granger, R I | 13616 | Fogge, E J | 13616 | Kilgore, W W | 13550 | Ludvik, G F | 13345 |
| Graves, J B | 13540 | Holzer, P J | 13563 | Killingsworth, B F | 13165 | Luginbuhl, R E | 13414 |
| Green, D H | 13393 | Eoner, M B | 13475 | Rim, W K | 13620 | 13462 | |
| 13395 | | 13476 | | Rimerle, R A | 13514 | Lutin, P A | 13639 |
| Grefig, A T | 13636 | Hooper, F B | 13509 | Kingsolver, C B | 13244 | MacDonald, J W | 13464 |
| Gressitt, J I | 12952 | Eope, A M | 13068 | Kiraly, Z | 13234 | MacDonald, W W | 12970 |
| Griffith, W F | 13558 | Hopkinson, D | 13347 | Kirby, A H M | 13251 | 13150 | |
| Grigorov, S | 13326 | Borber, E | 13335 | Kircher, H W | 13073 | MacOougall, D | 13554 |
| Grison, P | 13327 | Horic, Y | 13059 | Kitahara, Y | 13461 | MacLachlan, G A | 13615 |
| Grobbelaar, J H | 13696 | Hougbam, D F | 13427 | Kiyota, T | 13465 | MacQueen, K F | 13500 |
| Groenewegen, C A M | 13293 | Houten, J G Ten | 13237 | Klomp, H | 12962 | Madsen, H P | 13346 |
| Grossardt, E | 13512 | Eowkins, A B | 13482 | Klopping, H L | 13396 | 13547 | |
| Grove, J | 13073 | Erdy, I | 13497 | Klun, J A | 13308 | Mahunka, S | 12932 |
| Guardia, F S | 13657 | Suang, I-Lo | 13581 | Knaak, J B | 13674 | Majerska, M | 13109 |
| Gurba, J | 13310 | Subbard, D I | 13440 | Knapp, F W | 13166 | Malaney, G W | 13639 |
| Gutbrie, C M | 13048 | Bude, R | 13193 | Knox, K L | 13548 | Mancini, L O | 13431 |
| Hack, H | 13403 | Huet, C | 13060 | Kobara, E | 13074 | Mansingh, A | 13129 |
| Hady, I | 13049 | Humphries, O A | 13061 | Koga, K | 13075 | Maramorosch, K | 13385 |
| Hagedorn, D J | 13268 | Funkapiller, P O | 12957 | Kojima, M | 13282 | Marco, G J | 13555 |
| Hall, C F | 13433 | Furka, K | 12958 | Koplin, J B | 13342 | Mark, V | 13640 |
| Hall, R | 13617 | Surpin, B | 13336 | Korte, F | 13551 | 13641 | |
| Halstead, D G H | 12953 | Erntig, H | 13547 | Kottaridis, S D | 13414 | Marks, B C | 13486 |
| Hamblen, F L | 13390 | Butson, D B | 13575 | Kraft, A A | 13503 | Marsh, W S | 13642 |
| Hamilton, D W | 13328 | Swang, J | 13423 | Kragbt, A J | 13486 | 13658 | |
| Hamilton, L M | 13235 | Eyodo, H | 13282 | Kramer, J P | 12963 | Martin, J T | 13623 |
| Handel, E Van | 13050 | Iablokoff, A Kh | 12959 | Krexner, B | 13241 | Maruo, S | 13624 |
| Hansen, J S | 13472 | Ibrahim, M M | 13096 | Kroger, R | 13428 | Marzke, F O | 13492 |
| Hanson, L E | 13455 | Ichihara, T | 13461 | Krzywicki, M | 12964 | Materu, M E A | 13347 |
| Harakly, F A | 13329 | Im, H B | 13618 | Kubota, J | 13429 | Mathre, O E | 13245 |
| 13330 | | Imes, G D | 13456 | Kuc, J | 13621 | Mathur, L M L | 13128 |
| Hardy, B | 13411 | Inniss, W E | 13460 | Kundu, G G | 13343 | Mathur, Y K | 13339 |
| Harein, P K | 13495 | Irving, K H | 13609 | Kunob, H | 13200 | Matsumura, P | 13054 |
| Harling, J | 13051 | Ishibashi, Y | 13465 | Kushner, V D | 13242 | Mattingly, P F | 12971 |
| Harms, B B A | 13419 | Ishida, N | 13200 | Lacourt, J | 12965 | 13168 | |
| Harrises, F H | 13331 | Ito, T | 13062 | Lafon, J | 13193 | Maurer, C L | 13205 |
| Harris, C B | 13544 | 13095 | | Laird, M | 13167 | Maurer, R A | 13205 |
| Harris, J W E | 13332 | Iwata, M | 13697 | Lal, R | 13377 | Maxfield, B K | 13055 |
| Harrison, M B | 13384 | Jablonski, S | 13638 | Lambe, S C | 13243 | May, J | 13288 |
| Barter, G O | 13420 | Jackscn, C E | 13083 | Lambert, H L | 13076 | Mays, T | 13588 |
| Hartman, K T | 13545 | Jacob, A | 13318 | 13698 | | McCarter, S M | 13246 |
| Haskell, F T | 13052 | Jacobs, D E | 13477 | Lane, J R | 13552 | McCarty, P L | 13513 |
| 13053 | | Jaffe, W G | 13619 | Langley, P A | 13077 | McClanahan, B J | 13348 |

AUTHOR INDEX

Soper, P L

| | | | | | | | |
|---------------------|---------------|--------------------|-------|--------------------|---------------|-------------------|---------------|
| McDuffie, W C | 13169 | Newhall, W F | 13627 | Plimmer, J R | 13657 | Santree, J | 13270 |
| McGinnis, A J | 13070 | Newman, G | 13441 | Poland, J L | 13705 | Saranger, G | 12987 |
| | 13087 | Newman, L R | 13099 | Polhemus, J T | 12980 | Sasakawa, M | 13115 |
| McIntosh, I G | 13589 | Newsom, L O | 13356 | Pommer, E H | 13678 | Saucier, A | 13445 |
| McKenzie, H | 13700 | Nielsens, D J | 13100 | Pons, W A | 13488 | Saul, G B | 13043 |
| McKie, E A | 13449 | Ninet, L | 13435 | Popov, P | 13195 | Saunders, D S | 13116 |
| McLeod, B E | 13375 | Nixon, G E J | 12974 | Porch, H E | 13701 | Saxena, J D | 12989 |
| McMullen, R D | 13349 | Noble, L W | 13111 | Porter, M L | 13533 | Scanlon, J E | 12988 |
| McNab, J F | 13247 | Norman, P A | 13254 | Pound, G S | 13263 | Schaefer, C H | 13117 |
| Meadows, K E | 13088 | Kovak, J A | 13357 | | 13272 | Schaeffer, G W | 13382 |
| Meagher, W B | 13556 | Kovak, K | 13049 | Pratt, H D | 13706 | Schafer, W | 13403 |
| Medler, J T | 12972 | Nygaard, G S | 13507 | Prend'homme, J | 13435 | Scheer, C Van Der | 13223 |
| Meer, F A Van Der | 13237 | C'hrien, R O | 13584 | Preul, R C | 13516 | Scheffer, R P | 13271 |
| Mehren, G I | 13557 | C'Connoir, P M | 13614 | Price, R D | 12981 | Scheinpfing, R | 13668 |
| Mehrotra, K N | 13089 | O'Donnell, A E | 12957 | Pringle, R R | 13271 | Schenone, R | 13097 |
| Menon, M K | 13389 | | 12975 | Priore, R | 13360 | Schlichting, H I | 13682 |
| Metcalf, F I | 13643 | Chry, J | 12976 | Pritchard, N J | 13264 | Schliessmann, D J | 13179 |
| Methratta, T F | 13558 | Cchs, J | 12977 | Probst, G W | 13563 | Schnetter, W | 13118 |
| Meyer, C E | 13644 | Cgaki, M | 13152 | Pschorn-Walcher, H | 13108 | Schnorbus, B R | 13565 |
| Meyer, J E | 13224 | Cganto-Ongoma, A H | 13191 | Putnam, P A | 13564 | Schoer, H | 13180 |
| Midura, T | 13507 | Cgasawara, N | 13278 | Quak, P | 13237 | Schoof, A P | 13181 |
| Mihalyi, F | 13170 | Ckazaki, Y | 13465 | Quintana, V | 13154 | Schoof, H P | 13119 |
| | 13171 | Cku, R | 13255 | Rahy, C T | 13440 | | 13164, 13182, |
| Miles, F W | 13090 | Ckutani, T | 13101 | Radev, K | 13361 | Schott, C O | 13605 |
| Miller, G E | 13559 | Clander, H J | 13436 | Rai, K S | 13153 | Schrader, G | 13668 |
| Miller, H J | 13482 | Clin, J P | 13650 | Rai, S | 13343 | Schroepfer, G J | 13516 |
| Miller, L I | 13387 | Clsen, C M | 13204 | Randolph, M L | 13345 | Schurmann, G | 13518 |
| | 1338E | | 1325E | Bankin, J D | 13441 | Schwinn, I | 13120 |
| Miller, W K | 13645 | Clson, C E | 13458 | Bao, B R S | 12989 | Scopes, N E A | 13553 |
| Mills, F E | 13100 | Cmori, N | 13176 | Rao, K V | 13642 | | 13566 |
| Minamikawa, T | 13282 | Omori, T | 13437 | | 13658 | Scudder, G G E | 13041 |
| Minkevich, I I | 13350 | Crdish, G | 13194 | Bao, P V S | 13628 | Searl, R C | 13446 |
| Minyard, J E | 13374 | Crtman, E E | 13309 | Rao, V P | 13362 | Sedgwick, C J | 13447 |
| Mirocha, C J | 13248 | Osgood, E A | 13314 | Rast, A T R | 13265 | Selander, R B | 13121 |
| | 13625 | Cshima, K | 13282 | | 13266 | Senkheil, H O | 13676 |
| Misawa, T | 13249 | Cspenson, J N | 13571 | Rattanarithikul, M | 12937 | Serat, F F | 13596 |
| Mishra, D | 13626 | Cswald, J W | 13257 | Ratts, K W | 13659 | Sethi, G R | 13089 |
| Mistric, W J | 13351 | Otter, C J Den | 13102 | Ravenscroft, A V | 13245 | Sethi, S L | 13122 |
| | 13352, 13353, | Outram, I | 13103 | Reccari, P | 12982 | Sharma, A K | 12989 |
| Mitchell, E F | 13047 | Cwen, L N | 13438 | Reda, I M | 13407 | Sharma, G C | 13313 |
| | 13353 | Facheco, H | 13656 | Rehacek, J | 13109 | Sharma, V K | 13343 |
| Mitchell, L C | 13646 | Fack, D E | 13571 | Reicheneder, P | 13660 | Shay, E G | 13677 |
| Mittler, T E | 13091 | Faik, W H | 12978 | | 13661, 13662 | Shealy, Y P | 13374 |
| | 13092 | Fal, R | 13104 | Reinert, A J | 13592 | Sheets, T J | 13568 |
| Montagna, R W | 13558 | Falmer, I S | 13458 | Reis, R | 13442 | Sheffield, P M L | 13196 |
| Mooney, R F | 13560 | Fankin, P | 13358 | Renard, J L | 13267 | Shehata, T | 13368 |
| Moore, K | 13628 | Fant, N C | 13340 | Benn, D W | 13658 | Shepherd, R J | 13272 |
| Moore, L D | 13250 | Fanwar, V P S | 13313 | Reuter, G L | 13443 | Shihe Jr, W J | 13669 |
| | 13613 | Fapavizas, G C | 13258 | Reyes, H | 13097 | Shimanuki, H | 13082 |
| Moore, M H | 13251 | Parencia, C R | 13359 | Rhine, J J | 13498 | Shively, R G | 13556 |
| Moran, V C | 13696 | Farish, R H | 13286 | Richards, O W | 12983 | Shulov, A | 13143 |
| Mordue, W | 13093 | | 13611 | Richter, S E | 13401 | Siddiqui, K H | 13313 |
| Morello, A | 13649 | Fark, K E | 13105 | | 13402, 13663, | Sidles, H A | 13670 |
| McCley, H V | 13574 | Farka, S J | 13542 | | 13665, 13666 | Siewierski, M | 13567 |
| Morrison, G J | 13696 | | 13563 | Bick, P D | 13625 | Simpson, J | 13018 |
| McSbacher, G C | 13151 | Farks, G L | 13583 | Ridgway, R L | 13363 | Simpson, J W | 13448 |
| Moser, J G | 13094 | Fasarella, N R | 13560 | Rinterknecht, E | 13110 | Sin, C J | 13618 |
| Mcstafa, I E | 13432 | | 13562 | Roberson, J L | 13111 | Singh, P | 13369 |
| Moucha, J | 12973 | Fatana, R | 13699 | Robertson, D R | 13112 | Sittenfield, M | 13669 |
| Mouchet, J | 13172 | Fate, R D | 13590 | Robertson, J A | 13488 | Sjostrand, R | 13534 |
| | 13173 | Faton, D | 13400 | Robinson, A G | 13364 | Skaff, V | 13127 |
| Mcunt, G A | 13174 | Fatton, V D | 13519 | Robinson, J | 13593 | Skoog, P E | 13702 |
| | 13175 | Payne, L K | 13651 | Rockey, M L | 13539 | Skrentny, R P | 13553 |
| Mozier, J C | 13434 | | 13652 | Rockstein, M | 13113 | Slack, O A | 13390 |
| Mueller, F K | 13596 | Fearson, J R | 13653 | | 13114 | Slade, P | 13629 |
| Mukai, J I | 13075 | Fease, H L | 13654 | Rodriguez, J G | 13369 | Sloan, J L | 13525 |
| Muller, K C | 13252 | Feet, C E | 13244 | Boe, P J C | 13444 | Smit, W A | 13123 |
| Munakata, K | 13624 | Fener, M P | 13106 | Roeder, K D | 13042 | Smith, C E | 13273 |
| Murakami, S | 13152 | Pepin, H S | 13259 | Bogers, L J | 13622 | Smith, C N | 13124 |
| Murphy, C D | 13433 | Fetersen, J J | 13022 | Rose, A H | 13365 | | 13183, 13184 |
| Mutchmor, J A | 13004 | | 13177 | Rosenkranz, E | 13268 | Smith, O R | 13693 |
| | 1313E | Feterson, K T | 13439 | Roszkowski, A P | 13502 | Smith, E R | 13370 |
| Nair, M R G K | 13318 | Feterson, I K | 13700 | Both, P | 12984 | Smith, G W | 13671 |
| | 13389 | Feterson, B E | 13655 | Boudier, A | 12985 | Smith, H G | 13672 |
| Nakagawa, S | 13355 | Feyton, E L | 12988 | Bound, M C | 13480 | Smith, R J | 13481 |
| Nakashima-Tanaka, E | 13152 | Ffaeltzer, H J | 13260 | Boutledge, J K | 13459 | Smith, J E | 13400 |
| Nakasone, S | 13095 | Efann, G | 13518 | Bowley, W A | 12986 | Smith, J W | 13568 |
| Nasr, El S A | 13096 | Phillips, W P | 13565 | Rudnick, A | 13178 | Smith, W L | 13185 |
| | 13300 | | 13691 | Ruf, J A | 13515 | Smittle, B J | 13125 |
| Nazarov, G S | 13561 | Eiennaar, J G | 13457 | Rnmsey, T S | 13564 | Smyser, C F | 13449 |
| Neghme, A | 13097 | Eiening, L J | 13261 | Russell, F E | 13594 | Smyth, J D | 13482 |
| Neighbors, R F | 13647 | Eieringer, A P | 13627 | Russell, J S | 13073 | Snoeyenbos, G B | 13449 |
| | 1364E | Fillcn, D | 13656 | Russo, G | 13366 | Soares, T | 13377 |
| Nelson, D I | 13434 | Fine, T S | 13262 | Ruzicka, J H | 13667 | Soderstrom, E L | 13495 |
| Nelson, D E | 13098 | Finnert, S | 13435 | Saha, J G | 13517 | Sokoloff, R | 13673 |
| Nelson, E I | 12975 | Finto, J O | 13121 | Sakaguchi, S | 13269 | Soleihavoup, J P | 13107 |
| Netzer, D | 13253 | Fisano, J J | 13591 | Samhorski, D J | 13319 | Soo Hoo, C P | 13126 |
| Nevins, D J | 13247 | Flanel, H | 13107 | | 13367 | Soo, A | 13597 |
| Newallis, P E | 13649 | Flantrou, J | 12979 | Sanchez, E | 13595 | Soper, P L | 13186 |
| Newcomer, J S | 13681 | Flatonov, I | 13445 | Sans, W W | 13544 | | 13187 |

AOTBOE INDEX

| | | | | | |
|----------------------|-------|----------------------------|-------|-------------------|-------|
| Southwick, J W | | | | | |
| Southwick, J W | 13692 | Toda, Y | 13673 | Williams, R T | 13604 |
| Spaulling, D W | 13630 | Tolin, S A | 13206 | Willoughby, E | 13519 |
| Spencer, E Y | 13649 | Tolkmath, H | 13676 | Willrich, T L | 13520 |
| Spiekman, A | 13127 | Tondreau, B E | 13562 | Wills, W H | 13250 |
| Spratling, P B | 13450 | Towers, G H N | 1362B | Willsey, G P | 13685 |
| Srivastava, B K | 1312B | Townshend, J L | 13391 | Wilson, E E | 13290 |
| Srivastava, F D | 13129 | Trager, W | 1359B | Wilson, E O | 13142 |
| Srivastava, U S | 13130 | True, R P | 13233 | Wilson, E T | 1369B |
| Stace-Smith, B | 13230 | Trum, B P | 13459 | Wilson, J E | 13464 |
| Stahnmann, M A | 13274 | Truscott, R B | 13460 | Winter, F | 13660 |
| Stakman, E C | 13235 | Iso, T C | 13630 | | |
| Stallknecht, G F | 13215 | Tucker, B V | 13571 | Winterlin, W | 13550 |
| Stanley, M S M | 13131 | Tuite, J | 13207 | Wittmann, W | 13291 |
| Staples, F | 13498 | Turnock, W J | 13375 | Wolf, D D | 13632 |
| Starr, H Van Der | 13102 | Tweet, G | 13645 | Wolfenbarger, D A | 13546 |
| Stary, F | 13371 | Tye, E | 13599 | Wong, M | 13510 |
| Stefcik, A | 13686 | Uchidomi, M | 13465 | Wong, S I | 13285 |
| Steffens, G I | 13630 | Uchinund, Y | 13461 | Wood, B M | 13507 |
| Steinberger, S | 13677 | Ueda, T | 13465 | Wood, R O | 13332 |
| Stephancv, S | 13361 | Urago, T | 13355 | Woodard, D B | 13022 |
| Stevens, I F | 13188 | Uritani, I | 13201 | | |
| Stevens, F K | 13569 | | | 13177 | |
| Stevenscn, E | 13132 | 1324B, 132B2 | | Woods, C T | 13707 |
| Stiles, A R | 13570 | Vahrweyer, J | 13457 | Woods, W G | 13406 |
| Stobbert, B H | 13133 | Van De Van, M | 13376 | Woodward, P E | 13686 |
| Stollings, H W | 13651 | Van Den Briel, L | 132B3 | Woolf, C | 13687 |
| Stoloff, I | 1359B | Van Der Schans, C | 13563 | Worthley, E G | 13605 |
| Stoltzfus, W E | 13357 | Vaughn, J L | 13131 | Wozniak, L A | 13583 |
| Stone, A | 12990 | Vega Lette, L | 13619 | Wright, J W | 13167 |
| Stone, A W | 13653 | Venkataratnam, A | 13135 | Yamano, Y | 13465 |
| Stone, E | 13536 | Verboeff, K | 132B4 | Yamazaki, S | 13115 |
| Storch, B H | 13703 | Verma, K D | 12993 | Yaron, B | 13521 |
| Storrs, E E | 13552 | Vermilyea, B L | 1350B | Yates, V J | 13431 |
| Stowe, C M | 13559 | Vetter, B L | 13420 | Yinon, U | 13143 |
| Strassen, B Zur | 12991 | Vickers, J H | 13462 | Yip, G | 13573 |
| Stratton, J B | 13506 | Vickery, V B | 12994 | Yoder, H W | 13433 |
| Stretton, H M | 13204 | Viette, P | 12935 | Yoshida, T | 1368B |
| Strickland, A H | 13372 | Viggiani, G | 12995 | Young, R W | 13572 |
| Strong, D H | 13505 | | | Young, W A | 13447 |
| Strong, F E | 13373 | Villiers, A | 1293B | Young, W R | 13313 |
| Stroud, R F | 131BB | Vining, L C | 13612 | Younger, B L | 13601 |
| Strow, C E | 13651 | Vinson, S B | 13301 | Yule, W N | 13574 |
| Struck, R F | 13374 | | | Zadoks, J C | 13292 |
| Stuhbs, E W | 13275 | 13607 | | 13293 | |
| Styczynska-Jurewicz, | 13134 | Vogel, S | 13139 | Zaitlan, M | 13234 |
| Subharao, M V | 13135 | Wadhi, S B | 13377 | Zambettakis, C | 13294 |
| Sugai, E | 13136 | Wagner, U | 13543 | Zandvoort, R | 13293 |
| Sugitama, A | 13504 | Wakeman, R L | 13677 | Zee, K T | 13537 |
| Snkkestad, D R | 1309B | Walker, D W | 13154 | Zeitoun, P M | 13290 |
| Sullivan, L J | 13674 | Walker, B W | 1350B | Zeleny, J | 13049 |
| Surrey, A B | 13675 | Walker, J | 13477 | | |
| Surtees, G | 12992 | Walker, N M | 1323B | 13497 | |
| | | Wallen, V E | 13285 | Zielinski, W L | 13606 |
| | | Ward, G M | 13548 | Zscheile, P P | 13239 |
| | | Ware, G W | 13602 | Zumpt, F | 13001 |
| | | Washko, W W | 13632 | Zwatz, R | 13295 |
| Suss, A | 1351B | Watanabe, T K | 13155 | | |
| Suzuki, M | 13631 | Watson, T P | 1337B | | |
| Suzuki, N | 13276 | Watters, P L | 13499 | | |
| Swanson, C B | 13404 | | | | |
| Swarbrick, O | 13451 | 13500 | | | |
| Svenson, K G | 13122 | Wattiaux, J M | 13140 | | |
| Switzer, W F | 13452 | Waygood, E R | 13626 | | |
| Swoboda, A B | 13521 | Weatherholtz, W M | 13572 | | |
| T-w-Piennes, B N | 13453 | Webb, B E | 133B1 | | |
| Taclindc, | 13507 | | | | |
| Takahashi, T | 13236 | 13572 | | | |
| Takahashi, W H | 13277 | Wetley, D J | 13286 | | |
| Takeuchi, S | 13045 | Webster, W M | 13463 | | |
| Tawari, K | 1327B | Wegler, B | 13403 | | |
| Taschberger, E P | 13531 | Webner, E | 13141 | | |
| Tassell, F | 13454 | Weidenbach, C P | 13601 | | |
| Tateyama, Y | 13461 | Weidhaas, D E | 13169 | | |
| Tavel, F De | 13189 | Weidinger, B | 1367B | | |
| Taylor, B | 13369 | Weil, E D | 13405 | | |
| Taylor, D K | 13279 | | | | |
| Taylor, D I | 13455 | 13679, 136B0, 136B2, 13663 | 136B1 | | |
| Taylor, B J | 13441 | | | | |
| Taylor, B T | 13190 | Wells, H D | 13287 | | |
| Tengerdy, B F | 13456 | Welsh, M P | 1328B | | |
| Tepe, J B | 13542 | Wenk, P | 130B4 | | |
| | | Westdal, P H | 13379 | | |
| | | Westermark, I | 13534 | | |
| | | Westra, H | 1299B | | |
| Terblanche, M | 13457 | Wheals, B B | 13667 | | |
| Thiessen, C I | 1313B | Whitaker, D M | 13602 | | |
| Thomas, G W | 13521 | White, R | 13550 | | |
| Thompson, A C | 13374 | White, B G | 13434 | | |
| Thompson, O J | 1345B | Whitlock, J B | 1347B | | |
| Thomson, J | 13667 | Whittemore, P W | 13603 | | |
| Thorold, C A | 13280 | Widmark, G | 136B4 | | |
| Ticheelaar, G M | 13281 | Wijngaarden, T P | 13289 | | |
| Tinsley, I | 13597 | Wildbolz, T | 12999 | | |
| Tixador, F | 13107 | Wilkinson, C | 13000 | | |
| Tod, M E | 13477 | Williams, K | 13346 | | |

ORGANIZATION INDEX

| | | | | |
|--|-------|-------|--|-------------------|
| Akademiya Nauk SSSR Sibirskoe Ctdelenie | | 13656 | Phillips Petroleum Company | 13592 |
| Institut Lesa I Drevesiny | 13199 | | Purdue University, Lafayette, Ind. | |
| Allied Chemical Corporation, New York | 13687 | | Dept. Of Botany And Plant Pathology | 13207 |
| American Cyanamid Company, Princeton, N.J. | | | Rhone-Poulenc S.a., Paris, France | 13435 |
| Agricultural Division | 13583 | | Richardson-Merrell Inc., New York | 13443 |
| Association de Coordination Technique Agricole | 13192 | | Royal Entomological Society of London | 13053 |
| Auburn University Agricultural Experiment Station, Alabama | | | Rutgers - The State University, New Brunswick, N.J. | |
| Botany And Plant Pathology Department | 13541 | | College Of Agriculture And Environmental Science | |
| Auburn University, Auburn, Ala. | | | Bureau Of Conservation And Environmental Science | |
| Dept. Of Botany And Plant Pathology | 13222 | | Department Of Agricultural Chemistry | 13567 |
| Radische Anilin- + Soda-fabrik Aktiengesellschaft | 13661 | | Shell Research, Ltd., Sittingbourne, Kent, England | |
| 13662 | | | Tunstall Laboratory | 13575 |
| Badische Anilin- + Soda-Fabrik Aktiengesellschaft, Germany | | | Shionogi And Company, Ltd., Osaka, Japan | 13688 |
| 13660 | | | St. Dunstan's University, Charlottetown, P.e.i., Canada | |
| Rionetics Research Laboratories, Inc., Falls Church, Va. | | | 13510 | |
| 13606 | | | Stauffer Chemical Company, New York | 13685 |
| British Weed Control Council | 13392 | | Stauffer Chemical Company, Richmond, California | 13598 |
| Campbell Soup Company, Camden, N.J. | 13651 | | Sterling Drug Inc., New York, New York | 13675 |
| Campbell Soup Company, Camden, N.J. | | | Texas A And M University, College Station | |
| Residue Laboratory | 13565 | | Department Of Soil And Crop Sciences | 13521 |
| Canada Department of Agriculture, Belleville, Ontario | | | D. S. Department of Agriculture, Beltsville, Maryland | |
| Research Institute | 13161 | | Agricultural Research Service | |
| Cargill Inc., Minneapolis | 13484 | | Entomology Research Division | 13169 |
| Carver Research Foundation Of Tuskegee Institute, Alabama | | | D. S. Dept. Of Agriculture, Baton Rouge, La. | |
| 13581 | | | Agricultural Research Service | |
| Chas. Pfizer And Co., Inc., New York, N.Y. | 13642 | | Crops Research Division | 13380 |
| Chas. Pfizer And Company, Inc., New York, N.Y. | 13658 | | U. S. Dept. Of Agriculture, College Station, Tex. | |
| Colcradc State University Research Foundation, Fort Collins | | | Agricultural Research Service | |
| 13422 | | | Entomology Research Division | 13363 |
| Cornell Research Foundation, Inc., Ithaca | 13408 | | D. S. Dept. Of Agriculture, Kerrville, Tex. | |
| Cornell University, Geneva, New York | | | Agricultural Research Service | |
| New York State Agricultural Experiment Station | | | Animal Disease And Parasite Research Division | 13601 |
| Department Of Food Science And Technology | 13531 | | U. S. Dept. Of Agriculture, Tifton, Ga. | |
| Cornell University, Ithaca, N.Y. | | | Agricultural Research Service | |
| Section Of Neurobiology And Behavior | 13584 | | Crops Research Division | 13287 |
| Dow Chemical Company, Midland, Michigan | 13676 | | D.s. Army, Washington, D.c. | |
| Dow Chemical Company, Walnut Creek, California | 13069 | | Medical Service Corps | |
| Du Pont de Nemours (e.i.) and Company, Wilmington | 13399 | | Walter Reed Army Institute of Research | 12988 |
| Du Pont de Nemours (E I) And Company, Wilmington, Del. | 13671 | | U.s. Atomic Energy Commission | 13247 |
| Du Pont de Nemours (E.i.) and Company, Wilmington | 13396 | | D.s. Department of Agriculture | |
| Eli Lilly And Company, Greenfield, Ind. | | | Agricultural Research Service | |
| Greenfield Laboratories | 13563 | | Crops Research Division | 13245 |
| Eli Lilly And Company, Greenfield, Ind. | | | U.s. Department Of Agriculture, Beltsville, Maryland | |
| Greenfield Research Laboratories | 13542 | | Agricultural Research Service | |
| Farbenfabriken Bayer Aktiengesellschaft, Leverkusen, Germany | | | Crops Research Division | 13549 |
| 13403 13668 | | | D.s. Department Of Agriculture, Beltsville, Md. | |
| Farbwerke Hoechst AG, Frankfurt (main)-hoechst, Germany | | | Agricultural Research Service | |
| 13543 | | | Animal Husbandry Research Div And Entomology Research Div. | |
| Florida Southern College, Lakeland | 13673 | | 13564 | |
| Food and Agriculture organization of the Unite nations | | | U.s. Department Of Agriculture, Beltsville, Md. | |
| 13320 | | | Agricultural Research Service | |
| Food and Agriculture Organization of the Dnited Nations | | | Crops Research Division | 13568 |
| 13321 13523 13603 | | | D.s. Department Of Agriculture, College Station, Texas | |
| Food And Drug Administration, Washington, D.C. | | | Agricultural Research Service | |
| Division Of Food Chemistry | 13533 | | Entomology Research Division | 13016 13535 |
| Food And Drug Administration, Washington, D.C. | | | U.s. Department of Agriculture, Gulfport, Mississippi | |
| Division Of Food Standards And Additives | 13537 | | Forest Service | |
| General Aniline And Film Corporation, New York | 13686 | | Southern Forest Experiment Station | |
| Gulf Oil Corporation, Pittsburgh, Pennsylvania | 13647 | | Institute of Forest Genetics | 13238 |
| Herman Frasch Foundation | 13239 | | D.s. Department Of Agriculture, Ithaca, N.y. | |
| Hollichem Corporation, Camden | 13669 | | Soil Conservation Service | 13429 |
| Hooker Chemical Corporation, Niagara Falls | 13680 | | D.s. Department Of Agriculture, Tifton, Georgia | |
| Hooker Chemical Corporation, Niagara Falls, N Y | 13682 | | Agricultural Research Service | |
| Hooker Chemical Corporation, Niagara Falls, New York | 13405 | | Entomology Research Division | 13528 13529 13530 |
| 13679 13683 | | | U.s. Food And Drug Administration | |
| Institute for Research on Animal Diseases | 13441 | | Division Of Food Chemistry | 13573 |
| Iowa State University Research Foundation, Inc., Ames, Iowa | | | D.s. Food And Drug Administration, Kansas City, Mo. | 13545 |
| 13452 | | | U.s. Food And Drug Administration, Washington, D.c. | |
| Iowa State University, Ames | | | Bureau Of Science | |
| Department Of Botany And Plant Pathology | 13243 | | Division Of Food Chemistry | 13578 |
| Ludwigshafen (Rhine), Germany | | | D.s. Food and Drug Administration, Washington, D.c. | |
| Badische Anilin- And Soda-fabrik Aktiengesellschaft | 13678 | | Division of Food | 13646 |
| Micro Tek Instruments Corporation, Baton Rouge, La. | 13569 | | D.s. Food And Drug Administration, Washington, D.c. | |
| Millmaster Onyx Corporation, New York, N.y. | 13677 | | Division Of Food Chemistry | 13598 |
| Monsanto Chemical Co., St. Louis, Mo. | 13555 | | Union Carbide Corp | 13652 |
| Monsanto Company, St. Louis | 13650 | | Union Carbide Corp, South Charleston, West Virginia | |
| Monsanto Company, St. Louis, Missouri | 13641 | | Research And Development Department | 13651 |
| Monsanto Company, St. Louis, Mo. | 13640 | | Union Carbide Corporation | 13614 |
| Nagoya University, Anjo, Aichi, Japan | | | United Fruit Company, Almirante, Panama | |
| Faculty Of Agriculture | | | Chirigui Land Company | 13386 |
| Laboratory Of Biochemistry | 13201 | | United States Borax + Chemical Corp., Los Angeles | 13406 |
| Ohio Agriculture Research And Development Center, Wooster | | | University Of Arkansas, Fayetteville | |
| 13602 | | | Dept. Of Plant Pathology | 13390 |
| Olin Mathieson Chemical Corporation, New Haven, Conn. | | | University Of California, Berkeley | |
| Chemical Division | 13558 | | Department Of Molecular Biology | 13228 |
| Oregon State University, Corvallis, Oregon | | | University Of California, Berkely | |
| Dept. Of Food Science And Technology | 13525 | | Dept. Of Plant Pathology | 13257 |
| Rechinay-Froquil, Paris, France | | | University Of California, Davis | |
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ORGANIZATION INDEX

| | | | |
|--|-------|-------|-------|
| 13056 | | | |
| University Of California, Davis, California | | | |
| Agricultural Toxicology And Residue Research Laboratory | | | |
| 13633 | | | |
| University of Cambridge | | | |
| School of Veterinary Medicine | | 13450 | |
| University Of Cincinnati, Ohio | | | |
| College Of Medicine | | | |
| Department Of Environmental Health | | | |
| Kettering Laboratory | | 13599 | |
| University Of Florida Citrus Experiment Station, Lake Alfred | | | |
| Institute Of Food And Agricultural Sciences | | 13556 | |
| University Of Florida, Lake Alfred | | | |
| Citrus Experiment Station | | 13627 | |
| University Of London, England | | | |
| St. Mary's Hospital Medical School | | 13604 | |
| University Of Michigan, Ann Arbor | | | |
| Dept. Of Chemical Engineering | | 13506 | |
| University of Minnesota, Saint Paul | | | |
| Institute of Agriculture | | | |
| Department of Plant Pathology | | 13487 | |
| University of South Florida | | 13600 | |
| University Of Western Ontario, London, Canada | | | |
| Department Of Zoology | | 13532 | |
| University Of Wisconsin | | | |
| Dept. Of Plant Pathology | | 13272 | |
| University Of Wisconsin, Madison | | | |
| Dept. Of Plant Pathology | | 13263 | |
| University Of Wisconsin, Madison, Wis. | | | |
| Department Of Entomology | | 13054 | |
| Upjohn Company, Kalamazoo, Mich. | | 13644 | |
| Velsicol Chemical Corporation, Chicago | 13401 | 13402 | 13663 |
| 13664 13665 13670 | | | |
| Velsicol Chemical Corporation, Chicago, Illinois | | | 13666 |
| Veterinary Research Institute | | | |
| Botanical Research Institute | | | 13457 |
| Virginia Polytechnic Institute, Blacksburg, Va. | | | |
| Dept. Of Biochemistry And Nutrition | | | 13572 |
| Wallace + Tiernan Inc., Belleville, N.J. | | | 13486 |
| World Health Organization, Geneva | | | 13570 |



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