





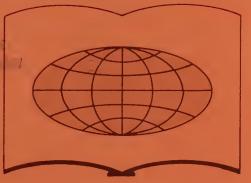


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Pesticides Documentation BULLETIN

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Volume 4 Number 19 September 13, 1968



U.S. DEPARTMENT OF AGRICULTURE

A Bi-Weekly Publication of U.S. Department of Agriculture

OBJECTIVES AND SCOPE

The Pesticides Documentation Bulletin is compiled by the National Agricultural Library's Pesticides Information Center to facilitate national research efforts in all aspects of pest control. This bi-weekly index to the literature includes coverage of diseases, insects, nematodes, parasites, weeds and other pests affecting plants, animals, man, our natural resources and other values in man's environment. Special emphasis is given to the literature on toxicological, physiological and epidemiological aspects of pests and their control by chemical biological and integrated 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.

Biographical Index: Names of first authors are arranged alphabetically, followed by organizational affiliation and accession number.

Author Index: Names of personal authors are arranged alphabetically, followed by accession numbers of pertinent citations.

Organizational Index: Names of corporate authors or sponsoring organizations are arranged alphabetically followed by accession numbers of pertinent citations.

Other Files

In addition to the citations contained in the Bulletin, the Pesticides Information Center maintains two other files, the INTREDIS Register and the Herbicides Data File.

The INTREDIS Register is a computer data bank in the field of forest pathology. It contains title and author references to abstracted articles including subject, country, host plant genus or species, organisms causing the diseases, abstracting journal and year of publication. The computer search uses boolean parameters in any combination of elements listed.

The Herbicides Data File consists of reports on field tests conducted by the Crops Protection Research Branch, Crop Research Division, Agriculture Research Service. Each test record contains the following items of information:

Compound Tested

Company furnishing the compound

Author or Investigator

Test Sponsor

Date

Location

Mode of Application

Rates of Application

Soil Types

Carriers

Crops or Weeds tested with phytotoxicity ratings

Associated documentation

Note: Items subject to proprietory restriction will be suppressed when appropriate.

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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.

Use of funds for printing this publication approved by the Director of the Bureau of the Budget (May 23, 1968).

PLEASE GIVE COMPLETE BIBLIOGRAPHIC INFORMATION AS IT APPEARS IN THIS PUBLICATION FOR EACH ITEM REQUESTED.

This publication reports research involving pesticides. It does not contain recommendations for their use, nor does it imply that the uses discussed here have been registered. All uses of pesticides must be registered by appropriate State and/or Federal agencies before they can be recommended.

CAUTION: Pesticides can be injurious to humans, domestic animals, desirable plants, and fish or other wildlife—if they are not handled or applied properly. Use all pesticides selectively and carefully. Follow recommended practices for the disposal of surplus pesticides and pesticide containers.

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TABLE OF CONTENTS

BIBLIOGRAPHY (Citations)	Page
10 ENTOMOLOGY	1 2 8
20 CROP PROTECTION. Diseases. Arthropods. Nematodes. Weeds. Other Pests.	15 17 18
30 LIVESTOCK PROTECTION. Diseases. Arthropods. Parasites.	19 20 26 26
40 COMMODITY PROTECTION	28 28 28 28 28
50 ENVIRONMENTAL CONTAMINATION	28
55 RESIDUES	28
60 TOXICOLOGY65 PLANT PHYSIOLOGY & BIOCHEMISTRY	25
70 CHEMISTRY	32
80 ENGINEERING	3.
90 INDUSTRY	3.
Economics Education Regulations	3.
SUBJECT INDEX	3.
BIOGRAPHICAL INDEX	109
AUTHOR INDEX	115
ORGANIZATIONAL INDEX	12

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^{*}This issue does not contain citations under this category.



ENTOMOLOGY

17731-68

PARASITIC AND FREE-LIVING CYCLES IN ENTOMOGENOUS NEMATODES OF THE GENUS DELADENUS.

R A Bedding

Nature 214(5084):174-175

08 Apr 1967 472 N21

Deladenus, Insect morphology, Life cycle, Parasitism, Sirex noctilio.

17732-68

THE FORAGING BEHAVIOR OF HONEYBEES (APIS MELLIFERA) AND BUMBLEBEES (BOM-BUS SPP.) ON BLACKCURRANT (RIBES NIGRUM), RASPBERRY (RUBUS IDAEUS) AND STRAWBERRY (FRAGARIA X ANANASSA) FLOWERS.

J B Free

J Appl Ecol 5(1):157-168 REF

Apr 1968 410 J828

Apis mellifera, Bombus, Insect behavior, Pollination, Population statistics, Raspberries, Research, Rihes nigrum, Strawberries.

17733-68

SIMPLE FIELD AND LABORATORY METHOD FOR RECOVERING LIVING TICKS (IXODOIDEA) FROM HOSTS.

M N Kaiser H Hoogstraal

J Parasitol 54(1):188-189

Feb 1968 448.8 J824

Insect cages, Ixodides, Ixodoidea, Microbiology, Parasitism

AN IMPROVED INCUBATOR FOR INSECTS FOR OPERATION ABOVE ROOM TEMPERATURE AND RELATIVE HUMIDITY.

C F Nicholls E E Grills

J Econ Entomol 61(5):1142-1145

15 Oct 1968 421 J822

Equipment, Humidity, Incubators, Insects. Research, Temperature.

THE MULTIPLICATION OF MIDDELBURGS AND I PLAQUE VIRUSES IN AEDES AEGYPTI MOSQUITOES.

SR Pattxn L Vleeschauwer

Acta Virol 12(4):347

Jul 1968 448.3 AC85 Aedes aegypti, Culture media, Middelburg virus,

Research, Virus diseases (insects).

CATCH OF INSECTS AT DIFFERENT HEIGHTS IN TRAPS EQUIPPED WITH BLACKLIGHT LAMPS.

P A Stewart J J Lam

J Econ Entornol 61(5):1227-1230

15 Oct 1968 421 J822

Insect collecting equipment, Insect flight, Insect traps, Light traps, Manduca quinquemaculata, Manduca sexta, Research, Tobacco.

SYSTEMATICS

17737-68

A NEW SPECIES OF HARPACTEA FROM THE PONTINE **ISLANDS** (ARANEAE, DYSDERIDAE). (IT)

Fragmenta Entornol 4(8):113-115

30 Dec 1966 421 F84

Insect taxonomy, Spiders. Consiglio nazionale delle

17738-68

NEW INDIAN THYSANOPTERA.

T N Ananthakrishnan

Soc Entomol France Ann 3(1):227-237

1967 420 F84

Insect taxonomy, Thysanoptera. French summary

17739-68

NEW DATA CONCERNING THE ANT GENUS (HYMENOPTERA, CAMPONOTUS FOR-MICIDAE) FROM THE USSR FAUNA. (RUS)

K V Arnoldi

Zool Zhur 46(12):1815-1831 REF

Dec 1967 410 R92

Camponotus, Formicidae, Insect taxonomy. German abstract

17740-68

ON A TENTH NEW SPHAEROCERASPIS OF THE CENTRAL AFRICAN FOREST (HOM. COCCOIDEA DIASPIDINI). (FR.)

A S Balachowsky D Ferrero

Soc Entomol France Ann 11(2):343-348

1966 420 F84

Coccoidea, Forests, Habitats, Insect ecology, Insect taxonomy.

1774I-68

NOTES ON THE CHOROLOGY AND ECOLOGY OF ARANEIDAE FROM THE ALBAN HILLS (ARANEAE). (IT)

P M Brignoli

Fragmenta Entomol 4(8):125-140 REF

30 Dec 1966 421 F84

Insect ecology, Insect taxonomy, Spiders, Zoogeography. English and Italian summaries

NEOTROPICAL MIRIDS, XCVIII: THREE NEW SPECIES OF THE TRIBES BRYOCORINI AND ORTHOTYLINI (HEMOPTERA). (POR)

J C M Carvalho A V Fontes

Rev Brasil Biol 27(3):315-320

Oct 1967 442.8 R326

Insect taxonomy, Miridae. English summary

Abstract

17743-68

BIOLOGICAL AND ECOLOGICAL STUDIES ON CALOGLYPHUS MITE (ACARINAI ACARIDAE) ASSOCIATED WITH SCARABAEIDAE.

W Chmielewski J J Lipa

Acta Parasitol Polon 14(15-27):179-186

1966 436.8 AC8

Ecology, Insect biology, Mites, Scarabaeidae. English and polish abstract Phoresy,

Abstract

17744-68

A REVISION OF THE ORIENTAL SPECIES OF PALEXORISTA TOWNSEND (DIPTERA: TACHINIDAE, STURMIINI).

R W Crosskey

Brit Mas (natar Hist) Entornol Ball Suppl 21(2):37-97 REF

1967 420 B773

Insect identification, Insect morphology, Insect taxonomy, Palexorista, Tachinidae, Zoogeography.

ERIGONIDS FROM THE PONTINE ISLANDS (ARANEAE ERIGONIDAE), (IT

J Denis

Fragmenta Entomol 4(8):117-124

30 Dec 1966 421 F84

Insect taxonomy, Spiders. English and Italian summaries

Abstract

17746-68

LARVAE OF CLICK BEETLES OF THE GENUS IDOLUS DESBR. AND POSITION OF THIS GENUS IN THE SYSTEM ELATERIDAE (COLEPTERA). (RUS)

V G Dolin

Zool Zhar 46(12):1860-1863

Dec 1967 410 R92

Elateridae, Insect taxonomy, Larvae.

Abstract

17747-68

SUBTERRANEAN TERMITE STUDIES IN SOUTHERN ONTARIO.

G R Esenther D E Gray

Can Entomol 100(8):827-834

Aug 1968 421 C16

Baits, Chemical control (insects), Insecticides, Lenzites trabea, Mirex, Research, Termites.

INSECTS AFFECTING SEED PRODUCTION OF SHORTLEAF PINE IN THE GEORGIA PIED-MONT.

R T Franklin R N Coulson

Can Entornol 100(8):807-812 REF

Aug 1968 421 C16

Diptera, Forest seed production, Georgia, Insects, Lepidoptera, Light traps, Pinus echinata.

NEW ZEALAND NOCTUIDAE (LEPIDOP-TERA): SUMMARY OF KNOWN HOST PLANTS AND A BIBLIOGRAPHY RELEVANT TO THE BIOLOGY OF THE GROUP.

D.F. Gaskin

New Zeal Entornol 3(5):19-27 REF

Dec 1966 421 N48

Economics, Indexing, Insect identification, Insect pests, Noctuidae.

ON DIPTERA IN SMALL MAMMAL BURROWS IN NORTHERN EUROPE AND SOUTHERN SPAIN.

W Hackman

Notulae Entomol 47(1):1-14

1967 421 N84

Diptera, Habitats, Rodents, Symbiosis, Tunnels.

NOTES ON MEGALYRIDAE (HYM. ICHNEU-MONOIDEA) AND DESCRIPTION OF NEW SPECIES FROM MADAGASCAR.

K-i Hedavist

Soc Entomol France Ann 3(1):239-246

1967 420 F84

Insect taxonomy, Megalyridae, Parasitic insects. French summary

TWO NEW SPECIES OF THYASIDAE (ACARINA) FROM NIKKO NATIONAL PARK JAPAN.

T Imamura R Mitchell Sep 1967 410 AN79

Annot Zool Jap 40(3):171-176 REF

Japonothyas, Mites, Panisopsis, Taxonomy. Abstract: Japonothyas ornatus, n. g., n. sp., and Panisopsis orientalis, n. sp. are described. They show close affinities with common, cool-water

Holarctic mites.

THE COMPOSITION OF THE THRIPS SPECIES IN CEREALS IN FINLAND.

P Koppa

Ann Agr Fenn 6(1):30-44 REF

1967 20 AN7 Grain, Thysanoptera.

Abstract

17754-68

A CONTRIBUTION TO THE ECOLOGY OF THE MAY-FLY PALINGENIA SUBLONGICAU-DA TSHERN, IN THE VOLGA DELTA, (RUS)

A A Kosova

Zool Zhar 46(12):1856-1859

Dec 1967 410 R92

Ephemeroptera, Insect ecology.

Abstract

17755-68

A NEW GENUS AND TWO NEW SPECIES OF MIRID BUGS (HETEROPTERA, MIRIDAE) FROM THE EASTERN REGIONS OF THE USSR. (rus) S A Kulik

ENTOMOLOGY

17756-68

Zool Zhur 47(1) 140-142

Jan 1968 410 R92

Insect taxonomy, Miridae, Salix, Ulmus. English

Abstract

17756-68

NEW SPECIES OF CULEX (MELANOCONION). (POR)

M Q de Linero

Rev Brasil Biol 27(3):289-291

Oct 1967 442.8 R326

Culex, Insect taxonomy, Zoogeography.

NEW GENUS AND SPECIES OF THE PHYTOPHAGOUS MITE (BRYOBIIDAE, ACARIFORMES). (RUS)

IS Livshitz V 1 Mitrofanov Zool Zhur 46(12):1850-1852

Dec 1967 410 R92

Cistus, Insect taxonomy, Mites, Tetranychidae.

Abstract

17758-68

ON MORPHOLOGY OF LARVAE OF THE III INSTAR IN SYNANTHROPIC SPECIES OF FLIES FROM THE GENUS HYDROTAEA R.D. (DIPTERA, MUSCIDAE). (RUS)

A M Lobanov

Zool Zhur 47(1):85-90

lan 1968 410 R92

Insect identification, Insect morphology, Insect taxonomy, Larvae, Muscidae. English and russian abstract

Abstract

17759-68

ON LARVAE OF HISPINAE (COLEOPTERA, CIIRYSOMELIDAE) OF THE FAUNA OF THE USSR. (rus)

L N Mcdvedev

Zool Zhur 47(1):79-84

Jan 1968 410 R92

Chrysomelidae, Insect identification, Insect taxonomy, Larvae, Pupae. English and russian abstract

Abstract

17760-68

FLEAS (SIPHONAPTERA) NEW TO NORWAY. R Mehl

Norsk Entomol Tidsskr 14(1):60-62

1967 421 N812

Siphonaptera, Taxonomy, Zoogeography.

Abstract: Species mentioned: Doratopsylla d. dasycnema, Paraccras m. mclis, Dasypsyllus g. gal-linulac, Megabothris turbidus, Megabothris walkcri, Ceratophyllus delichoni Ceratophyllus I. lunatus, Ccratophyllus borealis.

17761-68

HABITAT SELECTION BY LIPARA LUCENS MG. (DIPTERA, CHLOROPIDAE) AND ITS SURVIVAL VALUE.

J.H. Mook

Arch Neer Zool 17(4):469-549 MAP, REF

Dec 1967 410 AR27

Chloropidae, Insect behavior, Insect biology, Insect ecology, Lipara lucens, Oviposition, Zoogeography.

17762-68

INFORMATION CONCERNING THE AFRICAN BARK AND NUT BEETLES FAUNA (COLEOP-TERA SCOLYTIDAE AND PLATYPODIDAE). (GE)

M Nunberg

Rev Zool Bot Afr 76(3):313-340 REF

30 Dec 1967 410 R326

Ecology, Environment, Platypodidae, Research, Scolytidae.

17763-68

NOTES ON RAISING LEPIDOPTERA IN MEURTHE AND MOSELLE. (FR)

G Oliger

Alexanor 5(2):49-52

1967 421 AL2

Environment, Geography, Insect ecology, Insect rearing, Larvae, Lepidoptera.

HEMIPTERA ASSOCIATED WITH PIG CAR-

J A Payne F W Mead E W King

Entornol Soc Amer Ann 61(3):565-567 REF May 1968 420 EN82

Carcasses, Hemiptera, Larvae, Predaceous insects,

Research, Swine,

REPRODUCTION OF SOME POORLY KNOWN SPECIES OF BLATTARIA.

I M Roth

17765-68

Entornol Soc Amer Ann 61(3):571-579 REF

May 1968 420 EN82

Blaberidae, Blaberus discoidalis, Eublaberus distanti, Eublaberus posticus, Insect anatomy, Insect rearing, Phortioeca phoraspoides, Starvation.

17766-68

FURTHER STUDIES ON THE EFFECT OF BOVINE DIET ON FACE FLY DEVELOPMENT. N S Ruphrah R E Treece

J Econ Entornol 61(5):1147-1150

15 Oct 1968 421 J822

Cattle, Dict, Feces, Insect morphology, Insect rearing, Larvae, Musca autumnalis, Ovulation,

CIRCADIAN EMERGENCE RHYTHM OF TROPICAL SCOLYTID, XYLEBORUS FERRU-GINEUS.

J L Saunders J K Knoke

Entomol Soc Amer Ann 61(3):587-590

May 1968 420 EN82

Cacao, Diurnal rhythm, Insect control, Light, Research, Temperature, Xyleborus ferrugineus.

ON THE DISTRIBUTION OF IXODES AN-GUSTUS NEUM.(IXODIDAE). (RUS)

B P Savitzky E V Okuntzova

Zool Zhur 46(12):1849-1850

Dec 1967 410 R92

Insect ecology, Ixodides, Rodents, Surveys, Zoogcography.

Abstract

17769-68

A NEW SPECIES OF THE GAMASID MITE ICHORONYSSUS MIRABILIS SENOTRUSOVA ET TAGILTSEV SP. N. (ACARIFORMES, GAMASOIDEA) FROM WHISKERED MILLERS OF THE ZAISAN HOLLOW. (RUS

V N Senotrusova A A Tagiltsev

Zool Zhur 47(1):134-136

Jan 1968 410 R92

Epidemiology, Gamasides, Ichoronyssus, Insect taxonomy, Mites. English abstract

Abstract

17770-68

REVIEW OF RECENT LITERATURE ON THE HOST PLANT RANGE OF THE GENUS LIRIOMYZA MIK (DIPTERA: AGROMYZIDAE) IN THE CONTINENTAL UNITED STATES AND HAWAII, EXCLUDING ALASKA.

C E Stegmaicr

Fla Entomol 51(3):167-182 REF

Sep 1968 420 F662

Geography, Insect dissemination, Liriomyza, Literature, Morphology, Research. Names of other species are in abstract

17771-68

THE GENERA OF AFRICAN LYCAENIDAE (LEPIDOPTERA: RHOPALOCERA).

H Stempffer

Brit Mus (natur Hist) Entoinol Bull Suppl 00(10,SUP):3-322 1967 420 B773

Insect morphology, Insect taxonomy, Lycaenidae.

17772-68

PRELIMINARY REPORT OF THE MOSQUITOES IN THE GILGIT AGENCY AREA.

Z K Tario

Pakistan J Sci 19(1-2):47-56 REF

Jan 1967 475 P172

Altitude, Culicidac, Insect ecology, Insect taxonomy, Malaria, Zoogeography.

Abstract

17773-68

A DESCRIPTION OF THE PUPA OF THE PALES WEEVIL, HYLOBIUS PALES, AND A METHOD FOR IDENTIFYING ITS SEX.

H A Thomas

Can Entornol 100(4):434-437

Apr 1968 421 C16

Hylobius pales, Insect identification, Insect taxonomy, Pachylobius picivorus, Pupac, Scx.

17774-68

CONTRIBUTION TO THE STUDY OF THE GENERA STIZOCERA BRAZILIAN SPECIES SERV., 1834. (COLEOPTERA, CERAMBYCIDAE), (POR)

D Zajciw

Rev Brasil Biol 27(3):293-314 REF

Oct 1967 442.8 R326

Cerambycidae, Insect taxonomy, Zoogeography.

17775-68

A PRODROME OF THE GENUS ORTHOPODO-MYIA (DIPTERA, CULICIDAE).

T J Zavortink

Diss Abstr Sect B 28(11):4610B

May 1968 Z5055.U49D53

Entomology, Insect morphology, Insect taxonomy, Orthopodomyia, Prodrome, Temperature. Zoogeography.

17776-68

SIPHONA KANGWAGYEI N. SP., A BLOOD SUCKING FLY FROM UGANDA (DIPTERA: MUSCIDAE).

F Zumpt

Novos Taxa Entornol 52:3-4

Jul 1967 421 N853

Diptera, Entomology, Insect identification, Insect taxonomy, Siphona kangwagyei, Zoogeography.

PHYSIOLOGY AND BIOCHEMISTRY

17777-68

ACTIVATION OF MALATHION BY THE LOCUST BODYWALL.

H Ahmed B G Gardiner

Nature 217(5130):776-777

24 Feb 1968 472 N21 Insect physiology, Malathion. Schistocerca gregaria, Toxicology.

SOME OBSERVATIONS ON COMPULSORY FEEDING OF SANDFLIES (DIPTERA, PHLEBOTOMINAE) WITH THE CULTURE OF

LEPTOMONADS. (RUS A N Alexeiev V M Safianova

Zool Zhur 47(1):91-98

Jan 1968 410 R92

Feeding, Insect nutrition, Phlebotomus, Psychodidae. English and russian abstract

17779-68

INVESTIGATIONS ON THE HELIOTHIS NUCLEAR POLYHEDROSIS VIRUS AND ITS DEVELOPMENT AS A BIOLOGICAL CON-TROL AGENT.

G E Allen

Diss Abstr Sect B 29(2):644B

Aug 1968 Z5055.U49D53

Biological control (insects), Cell nucleus, Heliothis, Polyhedroses, Research, Virus diseases (animals).

17780-68

THE LEAF CUTTING ANT, ATTA CAPIGUARA, CURSE OF THE PASTURES. (POR)

E Amante

Biologico 33(6):113-120

Jun 1967 442.8 B529

Atta, Insect behavior, Insect control, Insect morphology, Social insects, Zoogeography.

STUDIES ON SELECTION IN NATURAL AND EXPERIMENTAL POPULATIONS OF DROSO-PHILA PSEUDOOBSCURA.

W W Anderson

Diss Abstr Sect B 29(1):55B

Jul 1968 Z5055.U49D53

Antigens, Chromosomes, Drosophila pseudoobscura, Gencs, Immunology, Insect evolution, Insect genetics, Mice, Neoplasms, Population, Research.

ANALYSIS OF THE DEVELOPMENT OF OVIDUCTS AND THE DEVELOPMENTAL RELATIONS BETWEEN OVIDUCTS AND OVA-RIES IN DROSOPHILA VIRILIS. PART ONE: DEVELOPMENT OF OVIDUCTS UNDER NOR-MAL AND EXPERIMENTAL CONDITIONS.
PART TWO: ANALYSIS OF ALTERATIONS
OCCURRING IN OVIDUCTS DURING IMAGINAL LIFE.

M B Babcock

Diss Abstr Sect B 28(11):4799B

May 1968 Z5055.U49D53

Animals, Assay, Drosophila virilis, Insect morphology, Ovaries, Oviducts, Reproductive organs, Transplanting.

BIONOMICS OF THE MOSQUITO ANOPHELES FRANCISCANUS MCCRACKEN IN CALIFORNIA.

D C Baerg

Diss Abstr Sect B 28(11):4608B

May 1968 Z5055.U49D53

Algae, Anopheles franciscanus, Breeding, Experimental insects, Hydrogen-ion concentration, Insect ecology, Insect physiology, Insect rearing, Temperature, Water.

17784-68

SPIDER **POPULATIONS** IN GRAIN SORGHUMS.

C L Bailey H L Chada

Entornol Soc Amer Ann 61(3):567-571

May 1968 420 EN82

Economic plants, Feeding, Insect control, Laboratories, Population statistics, Research, Sorghum, Spiders.

17785-68

ORGANOTHIOCYANATES AS INSECTICIDES AND CARBAMATE SYNERGISTS.

N Bakry R L Metcalf T R Fukuto

J Econ Entornol 61(5):1303-1308 REF

15 Oct 1968 421 J822

Biochemistry, Carbamates, Carbaryl, Chemical control (insects), Insecticides, Musca domestica, Organic compounds, Tables (data).

17786-68

PHOTOINHIBITORY FUNCTION OF THE DORSAL OCELLI IN THE PHOTOTACTIC REACTION OF THE MIGRATORY LOCUST LOCUSTA MIGRATORIA L.

C K Barry R Jander

Nature 217(5129):675-677 REF

17 Feb 1968 472 N21

Experimental insects, Eyes, Insect physiology, Locusta migratoria, Photoperiodism, Photosensitization, Phototropism, Research.

ONCOGENESIS IN THE (TU) Y2V;VG STRAIN OF DROSOPHILA MELANOGASTER.

M A Benjaminson Diss Abstr Sect B 29(1):56B Jul 1968 Z5055.U49D53

Chromosomes, Drosophila melanogaster, Genes, Hereditary diseases, Insect diseases, Oncogenic viruses, Temperature.

17788-68

EFFECTS OF JUVENILE HORMONE ON PROTEIN SYNTHESIS DURING THE METAMORPHOSIS OF THE POLYPHEMUS SILKMOTH.

M Blumenfield

Diss Abstr Sect B 29(2):481B-482B

Aug 1968 Z5055.U49D53

Antheraea polyphemus, Hormones, Insect morphology, Metamorphosis, Proteins.

SEX RATIO IN PUPAE OF THE YELLOW-STRIPED ARMYWORM.

D G Bottrell

J Econ Entornol 61(5):1470-1471

15 Oct 1968 421 J822

Experimental insects, Prodenia ornithogalli, Pupae, Research, Sex.

17790-68

FIELD STUDIES OF SEX ATTRACTION IN THE BOLL WEEVIL.

J R Bradley D F Clower J B Graves J Econ Entornol 61(5):1457-1458

15 Oct 1968 421 J822

Anthonomus grandis, Experimental insects, Insect behavior, Insect traps, Pheromones, Research, Sex attractants.

STUDIES OF CASTE DIFFERENTIATION IN MYRMICA RUBRA L. 9. MATERNAL EN-VIRONMENT AND THE CASTE BIAS OF LAR-VAE.

M V Brian A F Kelly

Insectes Sociaux 14(1):13-24

Mar 1967 421 IN79

Environment, Insect biology, Insect eggs, Larvae, Metamorphosis, Myrmica rubra, Photoperiodism, Temperature, Italian and French summaries

NOTES ON MICROANALYTICAL TECHNIQUES IN THE ANALYSIS OF FOODS FOR EXTRANEOUS MATERIALS.

P M Brickey J S Gecan J J Thrasher W V Eisenberg

Ass Offic Anal Chem J 51(4):872-876

Jul 1968 381 AS7

Autoclaves, Color, Entomology, Ethylenediaminetetraacetic acid, Food, Laborato-Microbiology, Polyethylene, Sampling ries. (statistics), Tissues.

MECHANISM OF LOCUST JUMPING.

R H J Brown

Nature 214(5091):939 27 May 1967 472 N21

Acrididae, Experimental insects, Insect anatomy, Insect physiology, Locomotion, Motion pictures, Muscles, Research.

17794-68

LABORATORY PROPAGATION MUSCIDIFURAX RAPTOR ON FACE FLY PU-PAE.

R P Burton E C Turner

J Econ Entornol 61(5):1380-1383 REF 15 Oct 1968 421 J822

Experimental insects, Insect rearing, Musca autumnalis, Muscidifurax raptor, Ovulation, Parasitic in-sects, Pupae.

THE INFECTION OF BOOPHILLIS MICROPLUS WITH BABESIA BIGEMINA.

L L Callow

Parasitology 58(3):663-670

Aug 1968 448.8 P21

Babesia bigemina, Biological control (insects), Boophilus microplus, Helminthiasis, Insect morphology, Ixodides, Parasitism, Research.

SELECTIVE RECOVERY OF VOLATILE PRODUCTS FROM HOUSE FLIES TREATED WITH RADIOACTIVE INSECTICIDE CHEMI-CALS AND SYNERGISTS.

J E Casida S P Shrivastava E G Esaac

J Econ Entomol 61(5):1339-1344 REF

15 Oct 1968 421 1822

Carbon dioxide, Carbon isotopes, Experimental insects, Injections, Insecticides, Metabolism, Musca domestica, Organic compounds, Radioactivity,

17797-68

CHEMICAL STERILIZATION OF THE STABLE STOMOXYS CALCITRANS (LINNE), WITH METEPA AND HEMPA.

J J Castro Umana

Diss Abstr Sect B 29(1):225B

Jul 1968 Z5055.U49D53

Biochemistry, Chemical control (insects), Chemosterilants, Experimental insects, Hempa, Insect cages, Metepa, Research, Stomoxys calcitrans.

METABOLISM OF CI4-LABELED HEMEL IN MALE HOUSE FLIES.

S C Chang A B DeMilo C W Woods A B Borkovec

J Econ Entornol 61(5):1357-1365

15 Oct 1968 421 J822

Biochemistry, Biological control (insects), Carbon isotopes, Chemosterilants, Hemcl, Injections, Metabolism, Metabolites, Musca domestica.

CONTENT AND SYNTHESIS OF GAMMA AMINOBUTYRIC ACID IN THE LARVAL BRAIN OF DROSOPHILA MELANOGASTER.

P S Chen B Widmer

Experientia 24(5):516-517

15 May 1968 475 EX7

Amino acids, Brain, Drosophila melanogaster, Insect biochemistry, Nervous system. German abstract

17800-68

COMPARATIVE TOXICITY (MAMMALIA, IN-SECTA, ACARINA) OF RECENT S,S-DIMETHYL S-BENZYL DERIVATIVES SUB-STITUTED FOR TRI-AND TETRATHIOPHOSPHORIC ACIDS. (FR)

J Cheymol P Chabrier T N Thanh A Thizy D

Demozay D Pillon

Acad Sci Compt Rend Ser D Sci Nat 264(22):2597-2599

29 May 1967 505 P21

Acarina, Insects, Mammals, Phosphoric acid esters, Toxicology.

17801-68

ECOLOGY OF INSECT SWARMS. V. MOVE-MENT OF INDIVIDUAL MIDGES, ANARETE PRITCHARDI, WITHIN A SWARM.

H C Chiang

Entornol Soc Amer Ann 61(3):584-587

May 1968 420 EN82

Anarete pritchardi, Cecidomyiidae, Insect flight.

17802-68

TEMPERATURE RELATIONSHIPS OF THE DEVELOPMENT OF NORTHERN CORN ROOTWORM EGGS.

H C Chiang V Sisson

J Econ Entornol 61(5):1406-1410

15 Oct 1968 421 J822

Diabrotica longicornis, Experimental insects, Insect eggs, Insect pests, Research, Soil temperature, Tables (data), Temperature, Timc.

ACCUMULATION OF GLYCINE IN THE FAT BODY OF THE SILKWORM, BOMBYX MORI

C Chitra M B Shyamala Nature 216(5113):386-387 28 Oct 1967 472 N21

ENTOMOLOGY

17804-68

Absorption, Amino acids, Bombyx mori, Culture media, Fat body, Glycine, Intestines, Kinetin, Proteins, Radioactivity, Research, Fissues.

17901-69

A COMPARATIVE STUDY OF SALIVARY GLAND CHROMOSOME ASYNAPSIS IN TU-MORIGENIC AND CLOSELY RELATED NON-TUMORIGENIC STRAINS OF DROSOPHILA MELANOGASTER.

S E Cohen

Diss Abstr Sect B 28(11).4429B

May 1968 Z5055.U49D53

Chromosomes, Drosophila melanogaster, Insect cultures, Insect ecology, Insect genetics, Insect physiology, Larvae, Research, Salivary glands (insects).

17805-68

LATEST RESEARCII PLANS ON THE PROBLEM OF COCKROACII RESISTANCE.

W J Collins

Pest Contr 36(6):23,25-26

Jun 1968 449.8 EX8

Blattella germanica, Insect rearing, Insecticide resistant insects.

17806-68

ALATE APHID SPECIES CAPTURED IN YELLOW PANS.

B F Coon J O Pepper

J Econ Entomol 61(5):1472-1473

15 Oct 1968 421 J822

Aphididae, Insect collecting equipment, Insect traps, Population, Research.

17807-68

POLYGENIC CONTROL OF ALDEHYDE OX-IDASE AND XANTHINE DEHYDROGENASE IN DROSOPHILA.

J B Courtright

Diss Abstr Sect B 29(2):483B

Aug 1968 Z5055.U49D53

Aldehyde oxidase, Biochemistry, Drosophilidae, Insect physiology, Xanthine dehydrogenase.

17808-68

ON THE BIOLOGY OF SEVERAL TRECHINAE AND SPHODRINAE. (INSECTA, COLEOPTERA). (FR)

S Deleurance

Acad Sci Compt Rend Ser D Sci Nat 263(23):1817-1819

06 Dec 1967 505 P21

Coleoptera, Insect morphology, Insect physiology, Ovaries.

17809-68

THE FORMATION OF THE CUTICULAR RIDGES IN THE LARVAL PHARYNX OF THE BLOWFLY (CALLIPHORA VICINA R.-D.).

V M Dowding

Parasitology 58(3):683-689

Aug 1968 448.8 P21

Calliphora vicina, Cuticle, Cytoplasm, Electron microscopy, Insect physiology, Insect rearing, Larvae, Methodology, Pharynx.

17810-68

CORRECTION COEFFICIENTS FOR PROGNOSING THE DEVELOPMENT OF INSECTS BY SUMS OF EFFECTIVE TEMPERATURES (AGROTIS SEGETUM SCHIFF TAKING OF EXAMPLE). (RUS)

T S Druzhelyubova L A Makarova

Zool Zhur 47(1):73-78 REF

Jan 1968 410 R92

Agrotis segetum, Insect physiology, Noctuidae, Statistical methods, Temperature. English and russian abstract

Abstract

17811-68

TESTS OF GENETIC SYSTEMS FOR THE STUDY OF THE EFFECTS OF DNA IN DROSO-PHILA MELANOGASTER.

W F Duggleby

Diss Abstr Sect B 29(1):58B-59B

Jul 1968 Z5055.U49D53

Deoxyribonucleic acid, Drosophila melanogaster, Insect genetics, Research.

17812-68

STUDIES ON THE BIOLOGICAL PROPERTIES OF TOXOPLASMA GONDII IN THE BODY OF INSECTS, USING PEDICULUS HUMANUS L. AS TEST ANIMALS.

J Dutkiewicz

Acta Porasitol Polon 14(15-27):187-200 REF 30 Jun 1966 436.8 AC8

Histology, Insect vectors, Pediculus humanus, Toxoplasmosis. Polish and english abstract

Abstract

17813-68

STUDIES ON THE MORPHOLOGY AND BIOLOGY OF LECANIUM FLETCHERI CKLL. (HOMOPTERA, COCCOIDEA) AND RELATED SPECIES.

A Dziedzicka

Zool Pol 18(1):125-165 REF

1968 410 Z712

Entomology, Insect biology, Insect identification, Insect morphology, Lecanium fletcheri, Parasitism, Research, Zoogeography. Russian and Polish summaries

17814-68

INFLUENCE OF REPELLENCY ON THE EFFICACY OF BLATTICIDES, IV, COMPARISON OF FOUR COCKROACH SPECIES.

W Ebeling D A Reierson R E Wagner J Econ Entomol 61(5):1213-1219

15 Oct 1968 421 J822

Biochemistry, Blatta orientalis, Blattella germanica, Chemical control (insects), Experimental insects, Insect repellents, Insecticides, Periplaneta americana, Research, Supella supellectilium.

17815-68

ELECTROPHORETIC VARIATION OF PROTEINASE IN THE DIGESTIVE JUICE OF THE SILKWORM, BOMBYX MORI L.

M Eguchi N Yoshitake

Nature 214(5090):843-844

20 May 1967 472 N21

Bombyx mori, Breeding, Digestion, Electrophoresis, Enzymes, Genes, Insect genetics, Polymorphism, Proteinases, Secretion.

7816-68

DEFENSE MECHANISMS OF ARTHROPODS. XXI. FORMIC ACID AND N-NONYL ACETATE IN THE DEFENSIVE SPRAY OF TWO SPECIES OF HELLUOMORPHOIDES.

T Eisner Y C Meinwald D W Alsop J E Carrel Entomol Soc Amer Ann 61(3):610-613 REF May 1968 420 EN82

Arthropoda, Carabidae, Formic acid, Glands (insects), Nonyl acetate, n-, Secretion, Spraying.

17817-68

ECOLOGICAL CHARACTERISTICS OF THE DIAPAUSE OF THE PHYTONOME OF THE LUZERNE HYPERA VARIABILIS. (COL. CURCULIONIDAE). (FR)

K El M'Saddia

Soc Entomol France Ann 4(2):339-348 REF 1968 420 F84

Curculionidae, Diapause, Hypera postica, Insect ecology, Photoperiodism, Temperature. French and English summaries

Abstract

17818-68

SOME EFFECTS OF GAMMA RADIATION ON THE TOBACCO BUDWORM HELIOTHIS VIRESCENS (FABRICIUS).

E S I El-Sayed

Diss Abstr Sect B 29(2):644B-645B

Aug 1968 Z5055.U49D53

Gamma rays, Heliothis virescens, Insect physiology, Irradiation, Tobacco.

17819-68

A SIMPLIFIED FIELD CAGE FOR TRAPPING PINK BULLWORM ADULTS.

J J Ellington J F Norris J Durkin

J Econ Entomol 61(5), 1468-1469

15 Oct 1968 421 J822

Cultural control (insects), Insect cages, Insect collecting equipment, Insect traps, Pectinophora gossypiella.

17820-68

MECHANICAL AND ELECTRICAL ACTIVITY IN THE INDIRECT FLIGHT MUSCLES OF THE HONEY BEE.

H Esch J Bastian

Z Vergleichende Physiol 58(3):429-440 REF 1968 444.8 Z3

Apis mellifera, Electrodes, Insect dissemination, Insect flight, Insect physiology, Muscles, Potentiometry, Temperature, Wings (insects).

17821-68

NOTES ON DEATHWATCH BEETLES (COLEOPTERA). (SP.)

F Espanol

Eos 43(1-2):27-56 REF

15 Nov 1967 421 EO7

Anobiidae, Entomology, Insect adaptation, Insect morphology, Insect taxonomy.

17822-68

PRELIMINARY EVALUATION OF A GRANU-LOSIS VIRUS FOR CONTROL OF THE CODLING MOTH.

L A Falcon N R Kane R S Bethel

J Econ Entomol 61(5):1208-1213 REF

15 Oct 1968 421 J822

Biological control (insects), Carpocapsa pomonella, Granuloses, Insect diseases, Insect pests, Insect rearing, Integrated control (insects), Larvae, Mortality, Research.

17823-68

DIFFERENCE IN RESPONSE OF TWO STRAINS OF SCREW-WORM FLIES TO THE MALE PHEROMONE.

L W Fletcher H V Claborn J P Turner E Lopez J Econ Entomol 61(5):1386-1388

15 Oct 1968 421 J822

Breeding, Cochliomyia hominivorax, Experimental insects, Insect rearing, Pheromones, Tables (data).

7824-68

SPREAD OF THE BOLL WEEVIL BY DRAINAGE WATER AND AIR CURRENTS, R E Fye

J Econ Entomol 61(5):1418-1424 REF

15 Oct 1968 421 J822

Air flow, Anthonomus grandis thurberiae, Cotton, Drainage, Experimental insects, Insect dissemination, Leaves, Research, Velocity, Water.

17825-68

THE PHYLOGENETIC DEVELOPMENT OF FOOD SELECTION IN CERTAIN ORTHOPTEROIDS.

S K Gangwere

Eus 42(0):383-391 REF

28 Feb 1967 421 EO7 Entomology, Feeding, Food habits, Food plants, Food supply, Insect behavior, Insect genetics, Orthoptera.

17826-68

BITING IN ORTHOPTERA AND THEIR ALLIES.

S K Gangwere Eos 42(0):363-382

28 Feb 1967 421 EO7

Entomology, Feeding, Insect behavior, Insect physiology, Mandibular glands, Orthoptera.

17827-6

STUDIES ON INSECT (PERIPLANETA AMERICANA L.) PHOSPHOFRUCTOKINASE,

A Grasso G M Natalizi

Compar Biochem Physiol 26(3):979-984 REF

Sep 1968 444.8 C73 Biochemistry, Enzymes, Glycolysis, Inse physiology, Kinases, Periplaneta americana.

Abstract

17828-68

A SEX PHEROMONE FROM THE CITRUS MEALYBUG.

N Gravitz C Willson

J Econ Entomol 61(5):1458-1459

15 Oct 1968 421 J822

Biological assay, Citrus, Insect pests, Insect physiology, Pheromones, Planococcus citri, Research, Sex.

17829-68

NEW TECHNIQUES TO BIOASSAY THE SEX ATTRACTANT OF PINK BOLLWORMS WITH OLFACTOMETERS.

A A Guerra

J Econ Entornol 61(5):1252-1254

15 Oct 1968 421 J822

Abdomen, Attractants, Baits, Biological assay, Extracts, Methodology, Olfactometers, Pectinophora gossypiella, Sex attractants, Tables (data).

17830-68

THE MOLTING BEHAVIOR OF THE BLACK WIDOW SPIDER, LATRODECTUS MACTANS.

D W Hagstrum

Entomol Soc Amer Ann 61(3):591-593

May 1968 420 EN82

Cuticle, Insect behavior, Insect physiology, Latrodectus maetans, Molting (insects).

17831-68

FIELD TESTS OF CHEMICALS FOR CONTROL OF THE EUROPEAN CORN BORER.

J A Harding W G Lovely R C Dyar J Econ Entomol 61(5):1427-1430

15 Oct 1968 421 J822

Biochemistry, Chemical control (insects), Experimental insects, Insect pests, Insecticides, Ostrinia nubilalis, Research, Tables (data).

17832-68

METEOROLOGICAL FACTORS AFFECTING THE ACTIVITY OF NIGHT FLYING MACRO-LEPIDOPTERA.

J Harling

Entomologist (london) 101(1259):83-93

Apr 1968 421 EN8

Arctiidae, Geometridae, Insect collecting equipment, Lepidoptera, Meteorology, Noctuidae, Notodontidae.

17833-68

INFLUENCE OF THE SPECTRAL COMPOSITION OF CERTAIN BANDS OF VISIBLE AND NEAR VISIBLE RADIATION ON DIAPAUSE IN THE BOLL WEEVIL.

F A Harris

Diss Abstr Sect B 29(2):645B

Aug 1968 Z5055.U49D53

Anthonomus grandis, Insect physiology, Radioactivity, Spectroscopy.

17834-68

FIELD AND LABORATORY STUDIES ON THE ECOLOGY AND MORPHOLOGY OF NABIS AMERICOFERUS CARAYON AND ITS PARASITES IN CALIFORNIA.

R D Hendrick

Diss Abstr Sect B 29(1):227B

Jul 1968 Z5055.U49D53

Experimental insects, Humidity, Insect ecology, Insect morphology, Insect physiology, Nabis americoferus, Parasitism, Photoperiodism, Research, Temperature. Parasites mentioned were: Leucostoma simplex, Wesmaelia pendula, and Polynema sp.

17835-68

ORDERED CHROMOSOMAL DNA SYNTHESIS IN DROSOPHILA MELANOGASTER.

E F Howard

Diss Abstr Sect B 28(11):4431B

May 1968 Z5055.U49D53

Autoradiography, Cell nucleus, Chromosomes, Cytology, Deoxyribonucleic acid, Drosophila mclanogaster, Metabolism, Salivary glands (insects), Sex.

17836-68

REPRODUCTIVE BEHAVIOR OF THE POTATO TUBERWORM, PHTHORIMAEA OPERCULELLA (ZELLER), (LEPIDOPTERA: GELECHIIDAE) AND THE EFFECT OF THE CHEMOSTERILANT METEPA.

I W Hughes

Diss Abstr Sect B 29(1):228B

Jul 1968 Z5055.U49D53

Biochemistry, Breeding, Chemical control (insects), Chemosterilants, Dosage, Insect anatomy, Insect behavior, Metepa, Phermones, Phthorimaea operculella, Reproduction.

17837-68

A STUDY OF THE NUCLEAR POLYHEDROSIS VIRUS ON THE BEET ARMYWORM, SPODOPTERA EXIGUA (HUBNER), WITH EMPHASIS ON STABILITY, PATHOGENICITY AND HISTOPATHOLOGY.

D K Hunter

Diss Abstr Sect B 29(1):229B

Jul 1968 Z5055.U49D53

Biological assay, Diet, Electron microscopy, Experimental insects, Inclusion bodies, Insect diseases, Insect pests, Polyhedroses, Research, Spodoptera exigua, Temperature, Viruses.

17838-68

DROSOPHILA ALCOHOL DEHYDROGENASE ISOZYMES: IDENTITY OF MOLECULAR SIZE.

R B Imberski W H Sofer H Ursprung

Experientia 24(5):504-505

15 May 1968 475 EX7

Dehydrogenases, Drosophila, Electrophoresis, Insect biochemistry. German abstract

17839-6

LARCH SAWFLY SURVIVAL IN RELATION TO WATER LEVELS AND MICROTOPOGRAPHY IN TAMARAK BOGS.

W G H Ives

Can Entornol 100(4):373-385 REF

Apr 1968 421 C16

Bogs, Insect ecology, Microscopy, Pristiphora erichsonii, Pupal cases, Surveys, Topography, Zoogeography.

17840-68

PARTHENOGENESIS IN GUM EMPEROR MOTH ANTHERAEA EUCALYPTI (SCOTT).

C T Jessep

New Zeal Entoinol 3(5):30

Dec 1966 421 N48

Antheraea eucalypti, Entomology, Experimental insects, Insect identification, Insect rearing, Parthenogenesis, Photography, Research.

17841-68

DATA ON THE ENDOCRINE SYSTEM OF SEVERAL DIPLOPODA, ONISCOMORPHES (MYRIAPODA). (FR)

L Juberthie-Jupeau

Acad Sci Compt Rend Ser D Sci Nat 265(20):1527-1529

13 Nov 1967 505 P21

Diplopoda, Endocrine glands, Esophagus, Glands (insects), Insect physiology, Secretion.

17842-68

RESULTS CONCERNING HUMORAL IMMUNITY OF PYRRHOCORIS APTERUS L. AND GALLERIA MELLONELLA F. (GE)

H Kamp

Z Vergleichende Physiol 58(3):441-464 REF 1968 444.8 Z3

Actinomycins, Bacteria, Biochemistry, Electrophoresis, Escherichia coli, Galleria mellonella, Immunity, Injections, Insect diseases, Muramidase, Proteins, Pseudomonas acruginosa, Pyrrhocoris apterus, Serratia marcescens, Time, Tyrosine, Vaccines, Viruses. Summary in English

17843-68

MEDIUM AND TECHNIQUES FOR MASS REARING THE RED-BANDED LEAF ROLLER.

M A Karpel L E Hagmann

J Econ Entomol 61(5):1452-1454

15 Oct 1968 421 J822

Argyrotaenia velutinana, Experimental insects, Insect cages, Insect rearing, Methodology, Research.

17844-68

PRELIMINARY OBSERVATIONS ON THE EFFECT OF ALCOHOL AND OIL FILMS ON THE OVIPOSITION OF CULEX PIPIENS QUINQUEFASCIATUS (SAY).

J E Keirans A S Perry R W Fay

Mosquito News 28(1):71-74

Mar 1968 421 M85

Alcohol, Culex pipiens quinquefasciatus, Insect behavior, Mineral oil, Ovulation.

17845-68

COSTELYTRA ZEALANDICA (WHITE) SEX ATTRACTION.

J M Kelscy

New Zeal Entomol 3(5):57-59

Dcc 1966 421 N48

Attractants, Costelytra zealandica, Experimental insects, Insect flight, Insect rearing, Methodology, Rainfall, Research, Sex, Temperature, Wind.

17846-68

ELECTRICAL ACTIVITY IN INSECT NERVE CELL BODIES.

G A Kerkut R M Pitman R J Walker

Life Sci 7(1):605-607 REF

01 Jun 1968 442.8 L62

Biochemistry, Cells, Electrophysiology, Insect physiology, Nerves, Periplaneta americana.

17847-68

EFFECTS OF MOLD INHIBITORS IN LARVAL DIET ON THE BIOLOGY OF THE CABBAGE LOOPER.

A N Kishaba T J Hinneberry R Pangaldan P H Tsao

J Econ Entornol 61(5):1189-1194

15 Oct 1968 421 J822

Agar, Biochemistry, Diet, Entomology, Insect biology, Insect physiology, Insect rearing, Larvae, Research, Tables (data), Trichoplusia ni.

I7848-68

EFFECT OF THE CHEMOSTERILANT METEPA ON THE HOUSEFLY, MUSCA DOMESTICA L,

K S Kung

Diss Abstr Sect B 29(1):230B

Jul 1968 Z5055.U49D53

Biochemistry, Chemical control (insects), Chemosterilants, Dosage, Drug therapy, Injections, Metepa, Mortality, Musca domestica, Population, Research.

7849-68

ON THE SPHODROMANTIS OF THE SPECIES VIRIDIS FROM NORTHWEST AFRICA. (IT)

M La Greca

Eos 42(0):493-516)MAP

28 Feb 1967 421 EO7

Africa, Entomology, Insect identification, Insect morphology, Insect taxonomy, Sphodromantis, Zoogeography. Species given were: S. viridis viridis, S. viridis meridionalis, S. viridis barbara, S. viridis occidentalis, S. royi.

7850-68

THE INFLUENCE OF TEMPERATURE AND HUMIDITY ON THE DEVELOPMENT OF TENEBRIO MOLITOR L.

R M Lall

Diss Abstr Sect B 29(1):415B Jul 1968 Z5055.U49D53

Feeding, Humidity, Insect eggs, Insect morphology, Research, Temperature, Tenebrio molitor, Tissues.

17851-68

FUNCTIONAL DEGENERATION OF THE VENOMOUS GLAND OF APIS DURING THE SUMMER AND WINTER. (POR)

C da C Landim S Baldissera D Beig Rev Brasil Biol 27(4):355-361

Dec 1967 442.8 R326

ENTOMOLOGY

17852-68

Bees, Glands (insects), Insect morphology, Insect physiology. English summary

17852-68

ENZYMATIC IIYDROLYSIS OF THE ENCYSTED PARASPORALE OF BACILLUS THURINGIENSIS BY BOMBYX MORI L. PROTEASES. (FR)

M M Lecadet D Martouret

Acad Sci Compt Re 265(20):1543-1546 REF Rend Ser D Sci Nat

13 Nov 1967 505 P21

Bacillus thuringiensis, Bombyx mori, Enzymes, Hydrolysis, Insect physiology, Proteinases.

17853-68

INFORMATION ON TRIATOMA SPINOLAI PORTER 1934, WITH A STUDY OF THE EXTERNAL GENETALIA (HEMIPTERA, REDUVIIDAE). (POR

H Lent J Jurberg

Rev Brasil Biol 27(3):273-288 REF

Oct 1967 442.8 R326

Insect anatomy, Reduviidae, Reproductive organs.

THE FLIGHT RANGE OF SIMULIUM DAM-NOSUM.

D J Lewis

Roy Soc Trop Med Hyg Trans 62(3):454

1968 448.9 R813

Breeding, Insect behavior, Insect dissemination, Insect flight, Insect migration, Simulium damnosum.

EGG AND LARVAL DEVELOPMENT OF CAR-DIOCHILES NIGRICEPS.

W J Lewis S B Vinson

Entomol Soc Amer Ann 61(3):561-565 REF

May 1968 420 EN82

Cardiochiles nigriceps, Dissection, Eggs, Heliothis virescens, Insect morphology, Larvae.

17856-68

A RED DYE TO EVALUATE BAIT FORMULA-TIONS AND TO MASS MARK FIELD POPULA-TIONS OF BOLL WEEVILS.

E P Lloyd R J Daum R E Mclaughlin F C Tingle G H Mckibben E C Burt J R Mccoy M R Bell T C Cleveland

J Econ Entomol 61(5):1440-1444

15 Oct 1968 421 J822

Anthonomus grandis, Baits, Dyes, Insect behavior, Labeling, Population, Research.

17857-68

ABOUT LEPIDOPTEROUS IMMATURES.

M R MacKay

Can Entornol 100(4):337-341 REF

Apr 1968 421 C16

Insect biology, Insect control, Insect morphology, Lepidoptera, Metamorphosis.

17858-68

PRE-IMAGINAL CONDITIONING IN DROSO-PHILA.

A Manning

Nature 216(5113):338-340

28 Oct 1967 472 N21

Conditioned reflex, Drosophilidae, Experimental insects, Geraniol, Insect behavior, Insect rearing, Olfactometers, Peppermint oil, Research, Scent glands.

17859-68

FOOD DISTRIBUTION WITHIN COLONIES OF THE ARGENTINE ANT, IRIDOMYRMEX HU-MILIS (MAYR).

G P Markin

Diss Abstr Sect B 29(1):230B

Jul 1968 Z5055.U49D53

Experimental insects, Feeding, Food, Insect behavior, Iridomyrmex humilis, Phosphorus isotopes, Radioisotopes, Research, Social insects.

17860-68

INTERCEPTION OF APPLE MAGGOT ADULTS ON COLORED TRAPS IN AN ORCHARD.

C W Maxwell

J Econ Entornol 61(5):1259-1260

15 Oct 1968 421 J822

Attractants, Baits, Color, Experimental insects, Insect collecting equipment, Insect traps, Research, Rhagoletis pomonella.

17861-68

INFLUENCE OF POPULATION LEVEL AND TRAP SPACING ON CAPTURE OF TOBACCO HOR-WORM MOTHS IN BLACKLIGHT TRAPS WITH VIRGIN FEMALES.

M W McFadden J J Lam

J Econ Entornol 61(5):1150-1152

15 Oct 1968 421 J822

Baits, Insect traps, Light traps, Manduca sexta, Population, Research, Zoogeography.

SUB-UNITS OF ACID PHOSPHATASE-1 IN DROSOPHILA MELANOGASTER: REVERSI-BLE DISSOCIATION IN VITRO.

R J McIntyre M R Dean

Nature 214(5085):274-275 REF

15 Apr 1967 472 N21

Acids, Culture media, Drosophila melanogaster, Electrophoresis, Hydrogen-ion concentration, Insect genetics, Phosphatases, Research.

17863-68

PESTICIDES AND POLLUTION. SB959.0U4.

K Mellanby

422 P. ENGLAND, COLLINS CLEAR-TYPE PRESS 1967

Air pollution, Chemical control (pests), Fungicides, Insecticides, Pesticides, Radiation, Vertebrates, Water pollution.

17864-68

SOME ASPECTS OF MATING BEHAVIOR IN BUTTERFLIES.

L D Miller H K Clench

Lepidopterists Soc J 22(3):125-132

20 Aug 1968 421 L554

Butterflies, Environment, Insect behavior, Reports, Reproduction, Research. Insects that were listed: Pieridac, Danaidae, Satyridae, Nymphalidae, Lycaenidae, Hesperiidae

17865-68

THE DIRECTIONS OF THE FLOW OF FOOD IN THE ALIMENTARY TRACT OF THE LEAF-HOPPER EUSCELIDIUS VARIEGATUS KBM. (JASSIDAE). (GE

R Munk

Z Vergleichende Physiol 58(3):423-428

1968 444.8 Z3

Digestion, Euscelidius variegatus, Filters, Food, Gastrointestinal system, Insect physiology. Summary in English

17866-68

COMPARISON OF APPLICATION RATES OF SOME SOIL INSECTICIDES FOR CONTROL OF WESTERN CORN ROOTWORM LARVAE IN MISSOURI.

G J Musick M L Fairchild

J Econ Entomol 61(5);1188-1189

15 Oct 1968 421 J822

Biochemistry, Chemical control (insects). Diabrotica virgifera, Environment, Insect pests, Insecticide application, Insecticides, Larvae, Soils, Tables (data).

RETRACTION OF THE CLAIM THAT HOST PREGNANCY AFFECTS PUPAL PRODUCTION BY THE TSETSE FLY.

T A M Nash A M Jordan J A Boyle

Nature 216(5111):163-164

14 Oct 1967 472 N21

Blood meal, Glossina, Goats, Insect behavior, Insect physiology, Pregnancy, Pupae.

17868-68

ENDOGENOUS DIURNAL RHYTHM OF PUPA-TION IN A MOSQUITO POPULATION.

J K Nayar

Nature 214(5090):828-829

20 May 1967 472 N21

Aedes tacniorhynchus, Diurnal rhythm, Experimental insects, Insect rearing, Photoperiodism, Population, Pupac, Research.

17869-68

ON COLD RESISTANCE OF THE PEA APHID ACYRTHOSIPHON PISUM HARR (HOMOP-TERA, APHIDIDAE). (RUS)

G V Osipov

Zool Zhur 47(1):137-139 REF

Jan 1968 410 R92

Acyrthosiphon pisum, Aphididae, Hibernation, Insect physiology, Temperature. English abstract

Abstract

17870-68

GROWTH OF ARBOVIRUSES MONOLAYERS FROM SUBCUL SUBCULTURED MOSQUITO EMBRYO CELLS.

J Peleg

Virology 35(4):617-618

Aug 1968 448.8 V81

Aedcs aegypti, Arboviruses, Cells, Culture media, Physiology, Virus diseases (animals).

CELLULAR IMMUNE RESPONSES OF IN-SECTS TO FOREIGN TISSUE IMPLANTS.

L G Peterson

Diss Abstr Sect B 29(2):646B-647B

Aug 1968 Z5055.U49D53

Cells, Immunity, Insect physiology, Tissues, Transplanting.

17872-68

NUCLEOPROTEIN SYNTHESIS DURING METAMORPHOSIS IN DROSOPHILA VIRILIS. B J Pettit

Diss Abstr Sect B 28(8):3454B

Feb 1968 Z5055.U49D53

Actinomycin d, Biochemistry, Deoxyribonucleic acid, Drosophila virilis, Histidine, Mctamorphosis, Nucleoproteins, Protein synthesis, Puromycin, Ribonucleic acid, Salivary glands (insects), Uridine.

THE DEVELOPMENT OF THEILERIA PARVA IN THE SALIVARY GLANDS OF THE TICK, RHIPICEPHALUS APPENDICULATUS.

R E Purnell L P Joyner

Parasitology 58(3):725-732 REF

Aug 1968 448.8 P21 Cattle, Feeding, Insect behavior, Insect morphology, Insect rearing, Nymphs, Parasitic insects, Rab-bits, Research, Rhipicephalus appendiculatus, Salivary glands (insects), Theileria parva.

17874-68

LET'S TALK ABOUT THE ADVANTAGES OF BAIT.

L P Quattrochi

Pest Contr 36(6):8-10,12,14

Jun 1968 449.8 EX8

Baits, Blattidae, Chemical control (insects), Household insects.

BIONOMICS, ENEMIES AND POPULATION DYNAMICS OF JAVESELLA PELLUCIDA (F.) (HOM., DELPHACIDAE).

M Raatikainen

Ann Agr Fenn 6(28SUP):7-149 MAPS, REF 1967 20 AN7

Biological control (insects), Delphacidae, Javesella pellucida, Natural control (insects), Parasitic insects, Predaceous insects.

ASPARTATE AMINOTRANSFERASE IN THE PEA APHID, ACYRTHOSIPHON PISUM (HAR-RIS).

A Retnakaran S D Beck

Compar Biochem Physiol 26(3):1061-1069 REF Sep 1968 444.8 C73

Acyrthosiphon pisum, Aminotransferases. Biochemistry, Enzymes, Insect physiology.

17877-68

ROLE OF PHOTOPERIOD, TEMPERATURE, AND INJURY IN INDUCTION AND TERMINATION OF THE PUPAL DIAPAUSE OF HELIOTHIS ZEA (BODDIE).

S H Roach

Diss Abstr Sect B 29(2):647B

Aug 1968 Z5055.U49D53

Heliothis zea, Injuries, Insect morphology, Insect physiology, Photoperiodism, Pupae, Temperature.

VITAL STAININING OF INSECT EGGS BY IN-CORPORATION OF TRYPAN BLUE.

K Sander H Vollmar

Nature 216(5111):174-175 REF

14 Oct 1967 472 N21

Acheta domesticus, Dyes, Embryology, Insect eggs,

TYROSINE METABOLISM AND ITS HOR-MONAL CONTROL AFTER ECLOSION IN THE ADULT FLESHFLY SARCOPHAGA BULLATA PARKER (DIPTERA: SARCOPHAGIDAE).

I M Seligman

Diss Abstr Sect B 29(2):647B

Aug 1968 Z5055.U49D53

Diptera, Hormones, Insect physiology, Metabolism, Sarcophaga bullata, Sarcophagidae, Tyrosine.

17880-68

SENSILLAE ON THE ANTENNAE OF BLOOD-SUCKING BITING MIDGES (DIPTERA, CERATOPOGONIDAE). (RUS)

A K Shevchenko Sh m Djafarov

Zool Zhur 47(1):145-148

Jan 1968 410 R92

Antennae, Ceratopogonidae, Culicoides, Insect morphology, Insect physiology, Sense organs. English abstract

Abstract

ETHYLENE OXIDE FOR THE CONTROL OF AMERICAN FOULBROOD IN HONEY BEES.

H Shimanuki T Lehnert

J Econ Entomol 61(5):1456-1457

15 Oct 1968 421 J822

American foulbrood, Apis mellifera, Bacillus larvae, Bacteria, Biochemistry, Ethylene oxide, Insect diseases, Insecticides, Larvae.

A POSSIBLE MARKER FOR EUROPEAN CORN BORER MOTHS.

W B Showers L C Lewis G L Reed

J Econ Entomol 61(5):1464-1465

15 Oct 1968 421 J822

Diet, Fluorescent dyes, Insect behavior, Insect migration, Labeling, Population, Trichoplusia ni.

CHAMBERS FOR COLLECTING AND OB-SERVING SINGLE PUPAE OF STORED-PRODUCT MOTHS. THREE

E L Soderstrom A E Lovitt J Econ Entomol 61(5):1468

15 Oct 1968 421 J822

Cadra cautella, Ephestia elutella, Experimental insects, Insect collecting equipment, Plodia interpunctella, Pupae, Research.

17884-68

ON THE INNERVATION OF PROTHORACIC GLANDS IN P. DEMOLEUS L. (LEPIDOPTERA). ON THE **PAPILIO**

K P Srivastava H H Singh Experientia 24(8):838-839 15 Aug 1968 475 EX7

Insect histology, Insect physiology, Larvae, Lepidoptera, Nervous system, Papilio demoleus. German abstract

THE EFFECT OF BLOOD-FEEDING ON THE LONGEVITY OF RADIATIONRESISTANT YEL-LOW-FEVER MOSQUITOES.

N Stahler L A Terzian

J Econ Entomol 61(5):1447

15 Oct 1968 421 J822

Aedes aegypti, Blood, Experimental insects, Feeding, Gamma rays, Immunity, Longevity, Radiation,

TECHNIQUES OF MARKING INSECTS WITH MICRONIZED FLUORESCENT DUST WITH ESPECIAL EMPHASIS ON MARKING MIL-LIONS OF LYGUS HESPERUS FOR DISPER-SAL STUDIES.

V M Stern A Mueller

J Econ Entomol 61(5):1232-1237

15 Oct 1968 421 J822

Dusting, Fluorescent substances, Insect dissemination, Insect migration, Labeling, Lygus hesperus, Pigments, Population, Research.

17887-68

REARING STORED PRODUCT INSECTS FOR LABORATORY STUDIES: SIX SPECIES OF MOTHS.

R G Strong Partida D N Warner

J Econ Entornol 61(5):1237-1249

15 Oct 1968 421 J822

Experimental insects, Humidity, Insect biology, Insect rearing, Moths, Research, Tables (data), Temperature. The moths were: Cadra cautella, Vitula edmandsae serratilineela, Pl-dia interpunctella, Anagasta kuehniella, C. figulilella and Ephestia

17888-68

LABORATORY REARING OF CULEX (MELANOCONION) PORTESI SENEVET AND ABONNENC.

M Takahashi

Mosquito News 28(1):82-84 REF

Mar 1968 421 M85

Culex portesi, Insect physiology, Insect rearing.

17889-68

LIFE HISTORY OF THE LOOPER PHIGALIA TITEA IN VIRGINIA.

Entornol Soc Amer Ann 61(3):557-561

May 1968 420 EN82

Hibernation, Insect histology, Larvae, Ovipositors, Parasitic insects, Phigalia titea, Pupal cases, Soils.

SOME COMPARATIVE DATA ON ECOLOGY AND BEHAVIOUR OF STAPHYLINID BEE-TLES (COLEOPTERA, STAPHYLINIDAE). (RUS

A L Tichomirova

Zool Zhur 46(12):1785-1798 REF

Dec 1967 410 R92

Insect behavior, Insect ecology, Insect evolution, Staphylinidae.

Abstract

17891-68

SOME ASPECTS OF ISOLEVCINE METABOLISM IN THE YELLOW FEVER MOSQUITO, AEDES AEGYPTI (L.).

W L Tietien

Diss Abstr Sect B 29(1):418B

Jul 1968 Z5055.U49D53

Aedes aegypti, Biochemistry, Carbon isotopes, Diet, Isoleucine, Lipids, Metabolism, Proteins.

ON PERIODICITY OF GAS EXCHANGE IN ON-TOGENESIS OF THE COLORADO BEETLE (LEPTINOTARSA DECEMLINEATA SAY.). (RUS)

T Tilavov

Zool Zhur 47(1):143-145

Jan 1968 410 R92

Diurnal rhythm, Insect physiology, Insect respiration, Leptinotarsa decemlineata. English abstract

17893-68

INFLUENCE OF A VIRUS DISEASE ON THE HEMOCYTIC ANTICRYPTOGRAMIC REACTIONS IN INSECTS. (FR.)

A Vey C Vago

Acad Sci Compt Rend Ser D Sci Nat 265(20):1568-1570

13 Nov 1967 505 P21

Blood cells, Insect diseases, Insect physiology, Insects, Mycosis, Viruses. French summary

17894-68

IMPROVEMENT OF A METHOD FOR CUL-TURING THE EGGS OF THE PHASMID CARAUSIUS MOROSUS BR. DEPRIVED OF THE CHORION. (FR)

J Vignau

Acad Sci Compt Rend Ser D Sci 265(20):1504-1507

13 Nov 1967 505 P21

Fetal membranes, Insect eggs, Insect morphology, Insect physiology, Insect respiration, Phasmatidae. French summary

17895-68

ON THE TETRAPYRROLIC PIGMENTS, ES-SENTIAL CONSTITUENTS HOMOCHROME: COLORATION IN OEDIPODA COERULESCENS L. (ACRIDAE, ORTHOP-TERA). (FR)

M Vuillaume B Levita

Acad Sci Compt Rend Ser D Sci Nat 264(22):2591-2593

29 May 1967 505 P21

Biochemistry, Insect physiology, Oedipoda coerulescens, Orthoptera, Pigments (insect).

17896-68

PERMEABILITY AND EXCITATION OF IN-SECT MUSCLE.

A C Wareham C J Duncan K Bowler

Nature 217(5132):970-972

09 Mar 1968 472 N21 Atpase, Biochemistry, Insects, Ions, Muscles, Nervous system, Periplaneta americana, Permeability,

Potassium, Sodium.

PYRETHRINS-PIPERONYL BUTOXIDE PLIED AS A FOG IN AN EMPTY GRAIN BIN.

F L Watters

J Econ Entornol 61(5):1313-1316

15 Oct 1968 421 J822

Biochemistry, Chemical control (insects), Cryptolestes ferrugineus, Humidity, Insecticidal aerosols, Insecticide application, Insecticide residues, Piperonyl butoxide, Pyrethrum, Storage, Temperature.

17898-68

BIOLOGY OF THE ELM LEAF BEETLE IN SOUTHERN ARIZONA.

G P Wene

J Econ Entomol 61(5):1178-180

15 Oct 1968 421 J822

Entomology, Experimental insects, Insect biology, Insect morphology, Metamorphosis, Pyrrhalta luteola, Research.

MECHANISMS OF INHIBITION AND UNCOUPLING OF OXIDATIVE PHOSPHORYLA-TION IN HOUSEFLY MITOCHONDRIA.

R L Williamson

Diss Abstr Sect B 29(1):235B

Jul 1968 Z5055.U49D53

Absorption, Adenosine triphosphates, Chemical reactions, Manometry, Mitochondria, Musca domestica, Oxygen, Phosphorylation, Tempera-

ENTOMOLOGY

17900-68

17900-68

WINTER OVIPOSITION BY THE ALFALFA WEEVIL IN VIRGINIA.

A M Woodside J L Bishop R I. Pienkowski J Econ Entornol 61(5).1230-1232

15 Oct 1968 421 J822

Alfalfa, Hypera postica, Insect eggs, Insect pests, Ovulation, Research, Tables (data), Temperature, Weather.

17901-68

COMPARATIVE LIFE HISTORIES OF CHLOR-DANE-RESISTANT AND NONRESISTANT GER-MAN COCKROACHES.

C C Wright

J Econ Entomol 61(5):1317-1321 REF

15 Oct 1968 421 J822

Biochemistry, Blattella germanica, Chemical control (insects), Chlordane, Experimental insects, Humidity, Insect behavior, Insect morphology, Insect rearing, Insecticides, Temperature.

GENETICS

17902-68

PHYSIOLOGICAL GENETICS OF MELANOTIC TUMORS IN DROSOPHILA MELANOGASTER. V. AMINO ACID METABOLISM AND TUMOR FORMATION IN THE TU BW; ST SU-TU STRAIN.

B Burnet J H Sang

Genetics 59(2):211-235 REF

Jun 1968 442.8 G28

Amino acids, Biochemistry, Diet, Drosophila melanogaster, Genes, Insect genetics, Insect metabolism, Insect physiology, Mutation, Phenylalanine, Tryptophan.

17903-68

SALIVARY CHROMOSOME-LIKE STRUCTURE OF A COCCID CHROMOSOME.

T S S Dikshith

Experientia 24(5):513-514

15 May 1968 475 EX7

Chromosomes, Homoptera, Icerya acgyptiaca, Insect genetics. French abstract

17904-68

GAMMA-RAY-INDUCED MUTATIONS IN DROSOPHILA MELANOGASTER OOCYTES: THE PHENOMENON OF DOSE RATE.

E Himoe

Diss Abstr Sect B 28(11):4431B

May 1968 Z5055.U49D53

Chromosomes, Dosage, Drosophila melanogaster, Gamma rays, Insect genetics, Irradiation, Lethal factor, Mutation, Therapeutics.

17905-68

MITOTIC CHROMOSOMES OF GLOSSINA PALLIDIPES AUSTEN.

P E Hulley

Nature 217(5132):977-978,979

09 Mar 1968 472 N21

Chromosomes, Entomology, Glossina pallidipes, Insect genetics, Mitosis, Morphology, Research.

17906-68

TETRAPLOID FEMALES IN THE HYMENOP-TERON, MORMONIELLA.

R M Macy

Diss Abstr Sect B 29(1):415B

Jul 1968 Z5055.U49D53

Breeding, Chromosomes, Cytology, Fertility, Insect genetics, Mutation, Nasonia, Parasitic insects, Polyploidy, Research.

17907-68

ACTINOMYCIN D-INDUCED PHENOCOPIES IN DROSOPHILA MELANOGASTER AND THEIR RELEVANCE TO DIFFERENTIAL GENE TRANSCRIPTION. THE GENETIC BASIS OF ACTINOMYCIN D-INDUCED PREFERENTIAL KILLING OF DROSOPHILIA MELANOGASTER MALES.
L Margulies

Diss Abstr Sect B 29(2):485B-486B

Aug 1968 Z5055 U49D53

Actinomycin d, Drosophila melanogaster, Genetics, Insect control.

17908-68

DEVELOPMENTAL CHARACTERISTICS OF FIVE LETHAL MUTANTS OF DROSOPHILA MELANOGASTER.

C P Wright

Diss Abstr Sect B 28(11):4436B

May 1968 Z5055.U49D53

Drosophila melanogaster, Insect genetics, Insect morphology, Lethal factor, Measurement, Mutation, Oxygen. The five lethal mutants were: gluful-2, glufultyrless-1, glyful-1, phenfultyrless-1, and tyrprocess-1.

17909-68

MEIOTIC DRIVE AND VISIBLE POLARITY IN DROSOPHILA SPERMATOCYTES.

A F Yanders J G Brewan W J Peacock D J Goodchild

Genetics 59(2):245-253 REF

Jun 1968 442.8 G28

Chromosomes, Cytology, Cytoplasm, Drosophilidae, Electron microscopy, Insect genetics, Research, Sex, Spermatocytes, Temperature.

MEDICAL ENTOMOLOGY

17910-68

STUDIES OF THE EPIDEMIOLOGY OF ARTHROPOD-BORNE VIRUS INFECTIONS AT MITCHELL RIVER MISSION, CAPE YORK PENINSULA, NORTH QUEENSLAND. II. ARBOVIRUS INFECTIONS OF MOSQUITOES, MAN, AND DOMESTIC FOWLS, 1963-1966. R L Doherty R H Whitehead E J Wetters B M

Gorman R H Whitehead E J Wetters B M

Roy Soc Trop Med Hyg Trans 62(3):430-438 REF 1968 448.9 R813

Arboviruses, Culicidae, Epidemiology, Human diseases, Insect ecology, Insect vectors, Light traps, Population, Research, Serological tests, Virus diseases (animals).

17911-6

SPECIAL EQUIPMENT IN THE BOX ELDER COUNTY MOSQUITO AND FLY ABATEMENT DISTRICT.

K L Josephson

Mosquito News 28(1):112-114

Mar 1968 421 M85

Culicidae, Diptera, Drainage ditches, Insect control, Spraying equipment.

17912-68

CULICOIDES CONTROL IN THE CANAL ZONE BY WATER MANAGEMENT.

J P MacLaren J L Hawkins W P Murdoch R G

Bush

Mosquito News 27(4):513-519 REF

Dec 1967 421 M85

Ceratopogonidae, Culicoides, Drainage ditches, Insect control, Panama Canal Zone, Reservoirs.

17913-68

BIOLOGY OF VECTOR-ASSOCIATED DIS-EASES IN VIETNAM.

H G Scott

Amer Vet Med Ass J 151(12):1741-1750 MAP 15 Dec 1967 41.8 AM3

Filariasis, Helminthiasis, Insect vectors, Malaria, Medical entomology, Plague.

17914-68

STUDIES OF THE EPIDEMIOLOGY OF ARTHROPOD-BORNE VIRUS INFECTIONS AT MITCHELL RIVER MISSION, CAPE YORK PENINSULA, NORTH QUEENSLAND. I. MOSQUITO COLLECTIONS, 1963-1966.

H A Standfast G J Barrow

Roy Soc Trop Med Hyg Trans 62(3):418-429 REF 1968 448.9 R813 Arboviruses, Baits, Epidemiology, Insect dissemination, Insect traps, Insect vectors, Malaria, Population, Rainfall, Research, Temperature, Weather, Insects mentioned were: Anopheles, Culex pullus, C. squamosus, Mansonia, Coquillettidia, Uranotaenia, Ficalbia, Aedeomyia, C. annulirostris.

17915-68

GAMASID MITES (GAMASOIDEA) AS VECTORS OF THE DISEASE CAUSATIVE AGENTS. (RUS)

A A Zemskaya

Zool Zhur 46(12):1771-1785 REF

Dec 1967 410 R92

Epidemiology, Gamasides, Insect vectors, Oribatei, Tularemia.

Abstract

CROP PRODUCTION

7916-68

COMPARATIVE GIBBERELLIN RELATION-SHIPS IN TALL AND DWARF PEAS (PISUM SATIVUM L.).

J D Anderson

Diss Abstr Sect B 28(11):4440B-1441B

May 1968 Z5055.U49D53

Gibberellins, Light, Peas, Pisum sativum, Plant metabolism, Plant physiology, Seedlings.

17917-68

METHOD FOR ESTIMATING INTENSITY OF THE LITTLE LEAF DISEASE OF BRINJAL (SOLANUM MELONGENA).

A K Banerjee G K Bajpai I N Tandon Plant Dis Rep 52(2):118-120

Feb 1968 1.9 P69P

Correlation, Eggplant, Leaves, Plant diseases, Research, Sampling (statistics).

17918-68

EVALUATION OF NEMATOCIDES FOR CONTROLLING RENIFORM NEMATODES ON SWEETPOTATOES.

W Birchfield W J Martin

Plant Dis Rep 52(2):127-131 REF

Feb 1968 1.9 P69P

Crop yields, Fumigants, Nematocides, Rotylenchulus reniformis, Sampling (statistics), Soil testing, Sweetpotatoes.

17919-68

DESERT GRASSLAND MESQUITE AND FIRE.

R Claveran Alonso

Diss Abstr Sect B 28(8):3121B

Feb 1968 Z5055.U49D53

Bouteloua curtipendula, Bouteloua gracilis, Fire, Plant ecology, Plant temperature, Prosopis velutina, Quercus emoryi, Ranges.

17920-68

EFFECT OF SEED EXTRACT OF TRIFOLIUM SUBTERRANEUM ON GERMINATION AND SEEDLING GROWTH RATE.

A W Ferguson

Nature 217(5133):1064-1066

16 Mar 1968 472 N21

Plant extracts, Plant growth inhibitors, Plant physiology, Seed germination, Seedlings, Subterranean clover, Temperature, Wheat.

17921-68

THE EFFECT OF CARBON SOURCE, CARBON TO NITROGEN RATIOS, AND ORGANIC AMENDMENTS ON SURVIVAL OF PROPAGULES OF VERTICILLIUM ALBOATRUM IN SOIL.

R J Green G C Papavizas

Phytopathology 58(5):567-570 REF

May 1968 464.8 P56

Carbon, Nitrogen, Physiology, Plant reproduction, Population statistics, Soils, Verticillium albo-

RECOMBINATION IN MITOTIC CONIDIOPHORES OF VERTICILLIUM AL-BOATRUM.

A C Hastie

Nature 214(5085):249-252

15 Apr 1967 472 N21

Cytology, Fungi, Mitosis, Plant genetics. Reproduction, Research, Verticillium albo-atrum.

COMMONWEALTH INSTITUTE OF BIOLOGI-CAL CONTROL-INDIAN STATION.

V P Kao

Plant Protect Bull 18(1):1-5

1966 421 P69

Biological control (pests), Laboratories, Research.

17924-68

THE EFFECT OF DISINFECTION ON CEREAL SEEDS DETERMINED IN LABORATORY EX-PERIMENTS AND EMERGENCE TESTS IN

H Kolk G Ljungberg

Swed Stat Vaxtskyddsanst Medd 13(113):471-484 1967 464.9 SW3M

Agricultural research, Fungus diseases (plants), Fusarium, Grain, Greenhouses, Helminthosporium, Laboratories, Land, Seed treatment, Septoria.

THE RELATION OF RAINFALL, RELATIVE HUMIDITY, AND TEMPERATURE TO LATE BLIGHT OF POTATO IN SEDES, SINDOS-LAHANOKIPI OF NOMOS THESSALONIKI.

N C Kyrou

Plant Dis Rep 51(11):936-940 REF

Nov 1967 1.9 P69P

Fungus diseases (plants), Humidity, Late blight (potatoes), Phytophthora infestans, Plant disease forecasting, Rainfall, Temperature.

17926-68

EASTERN DWARF MISTLETOE ON JACK PINE IN MANITOBA.

J G Laut

Plant Dis Rep 51(11):899-900 REF

Nov 1967 1.9 P69P

Arceuthobium pusillum, Parasitic plants, Pinus banksiana, Witches' broom (coniferae).

DEVELOPMENT OF PARTHENOCARPIC AND NON-PARTHENOCARPIC SYCONIA OF FICUS CARICA L. CV. KING IN RELATION TO ENDOGENOUS AND EXOGENOUS GROWTH REGULATORS.

A F Lodhi

Diss Abstr Sect B 28(11):4447B

May 1968 Z5055.U49D53

Crops, Culture media, Figs, Fruit, Gibberellins, Parthenocarpy, Plant physiology, Plant regulators.

RACE BUILDUP OF XANTHOMONAS MALVACEARUM ON COTTON IN SOUTHEAST MISSOURI.

J W Miller

Plant Dis Rep 52(9):739-740

Sep 1968 1.9 P69P

Angular leafspot (cotton), Cotton, Injections, Leaves, (statistics), Research, Sampling Xanthomonas malvacearum.

17929-68

REDUCING SPRING DISCHARGE OF VENTURIA INAEQUALIS ASCOSPORES BY COMPOSTING OVERWINTERING LEAVES.

P M Miller S Rich

Plant Dis Rep 52(9):728-730

Sep 1968 1.9 P69P

Fertilizers, Hibernation, Leaves, Lime, Potassium phosphate, Research, Venturia inaequalis.

17930-68

TWO NEW HARDWOOD HOSTS OF FOMES ANNOSUS.

D Punter J D Cafley Plant Dis Rep 52(9):692 Scp 1968 1.9 P69P

Fomes annosus, Fraxinus americana, Pinus resinosa, Research, Tree diseases, Ulmus americana.

SELECTIVE STAINING OF DEAD CELLS IN BEAN LEAVES INJURED BY OZONE.

S Rich H Tomlinson

Plant Dis Rep 52(9):732

Sep 1968 1.9 P69P

Beans, Cells, Chemicals, Greenhouses, Leaves, Lethal factors, Ozone, Plant diseases, Research.

LIST OF PHYTOPATHOLOGICAL TERMS.

G J Saaltink

Neth J Plant Pathol 74(3):65-84

1968 464.8 T44

Nomenclature, Phytopathology, Plant diseases. English summary

EXPERIMENTS AND CONSIDERATIONS ON THE ANOMOLIES OF TOMATOES OF THE SUPER MARMANDE TYPE IN HOT HOUSES, CONNECTIONS WITH THE USE OF SOME PLANT HORMONES.

G Scaramuzzi G Perrotta

Riv Patol Veg (SER.4)3(3):17 7-205

Jul 1967 464.8 R52

Abnormalitics, Fertilizer application, Greenhouses, Nutrient solutions (plants), Plant hormones, Plant regulators, Research, Tomatoes. English summary

THE IMPACT OF FUNGI ON MAN. QK603.0T3. W A Taber R A Taber

64 P. CHICAGO, RAND MCNALLY AND COM-PANY

1967

Fungi, Fungus diseases (animals), Fungus diseases (plants), Industry, Man, Plant physiology, Reproduction, Toxins.

17935-68

SUCCESSFUL TISSUE TRANSPLANTATION OF AUXIN-DEPENDENT TUMOURS AND SOME OF ITS PROBLEMS.

D Torok

Nature 216(5113):376-377 REF

28 Oct 1967 472 N21

Chromosomes, Crown galls, Culture media, Diagnosis, Picea glauca, Plant grafting, Plant hormones, Plant physiology, Research, Tissues, Transplanting.

17936-68

PESTICIDES IN THE COMING STRUGGLE FOR FOOD.

R White-Stevens

Nat Agr Chein Ass News Pesticide Rev 26(5):5-8

Jun 1968 421 AG8

Agricultural economics, Food plants, Pest control, Pesticides, Plant protection, Population statistics.

GENETICS OF REACTION TO PUCCINIA SORGHI SCHW. IN TEN CORN INBRED LINES OBTAINED FROM AFRICA AND EUROPE.

D R Wilkinson

Diss Abstr Sect B 28(8):3133B

Feb 1968 Z5055.U49D53

Corn, Plant breeding, Plant disease resistance, Plant genetics, Puccinia sorghi.

DISEASES

17938-68

ABSTRACTS OF PAPERS ACCEPTED FOR PRESENTATION AT THE SIXTIETH ANNUAL MEETING OF THE AMERICAN PHYTOPATHOLOGICAL SOCIETY, COLUM-BUS, OHIO, 2-6 SEPTEMBER 1968.

Phytopathology 58(8):1041-1074

Aug 1968 464.8 P56

Fungus diseases (plants), Plant protection, Reports, Virus diseases (plants).

17939-68

IRREVERSIBLE INHIBITION OF SPORE FOR-MATION IN ALTERNARIA TOMATO BY DE-DIFFERENTATION OF CONIDIOPHORES. (AB-STRACT).

M Aragaki J W Hylin K Maeda

Phytopathology 58(8):1041

Aug 1968 464.8 P56

Alternaria tomato, Fungus diseases (plants), Seed germination, Spores, Tomatoes,

ANATOMIC EFFECTS OF CADANG-CADANG DISEASE ON COCONUTS.

E Arguelles-Rasa

Plant Dis Rep 52(9):734-737 REF

Sep 1968 1.9 P69P

Anatomy, Coconuts, Kadang-kadang (coconuts), Research, Tree diseases.

17941-68

QUANTITATIVE HISTOLOGY OF MELAMP-SORA LINI RESISTANCE IN FLAX. (AB-STRACT).

S J Aronson L J Littlefield

Phytopathology 58(8):1041

Aug 1968 464.8 P56

Flax, Fungus diseases (plants), Histology, Melampsora lini, Plant disease resistance, Rust (flax).

17942-68

STUDIES ON THE CHEMICAL CONTROL OF RICE BLAST CAUSED BY PIRICULARIA ORYZAE CAV.

M H Ashrafuzzaman

Diss Abstr Sect B 29(2):435B

Aug 1968 Z5055.U49D53

Blast (rice), Chemicals, Fungus diseases (plants), Pest control, Piricularia oryzae, Research, Rice.

EVALUATION OF SYSTEMIC FUNGICIDES AND INSECTICIDES FOR THE CONTROL OF COTTON BOLL ROT IN VITRO. (ABSTRACT).

H S Bagga

Phytopathology 58(8):1041

Aug 1968 464.8 P56

Boll rot (cotton), Cotton, Fungicides, Fungus diseases (plants), Insecticides, Plant protection.

THE BIOLOGY AND ECOLOGY OF FUSARI-UM OXYSPORUM F. MELONIS IN SOIL AND THE ROOT ZONES OF HOST AND NONHOST PLANTS.

Z Banihashemi

Diss Abstr Sect B 29(2):435B-436B

Aug 1968 Z5055.U49D53

Biology, Ecology, Fungus diseases (plants), Fusari-um oxysporum, Roots, Soil fungi.

17945-68

PATHOGENICITY OF SOME BLUE-STAIN FUNGI IN THE GENUS CERATOCYSTIS. (AB-STRACT).

H G Basham

Phytopathology 58(8):1042

Aug 1968 464.8 P56

Blue stain (coniferae), Ceratocystis, Fungus diseases (plants), Pinus taeda, Vascular system (plants)

17946-68

SPERMIDINE, THE MAJOR POLYAMINE COMPONENT OF TURNIP YELLOW MOSAIC VIRUS. (ABSTRACT).

S V Beer T Kosuge

Phytopathology 58(8):1042

Aug 1968 464.8 P56

Amines, Biochemistry, Turnips, Virus diseases (plants), Yellow mosaie (turnips).

DISEASE INVOLVEMENT OF NONAL-LIACEOUS HOSTS BY PYRENOCHAETA TER-RESTRIS. (ABSTRACT).

R Beliram J C Horton Phytopathology 58(8):1042

CROP PRODUCTION

17948-68

Aug 1968 464.8 P56

Fungus diseases (plants), Pyrenochaeta terrestris, Temperature, Vegetables.

17948-68

CARBOHYDRATE DISTRIBUTION IN GRAFTED POTATO PLANTS REPRESENTING TWO TYPES OF RESISTANCE TO VIRUS X.

A P Benson W J Hooker

Phytopathology 58(5):571-574 REF

May 1968 464.8 P56

Carbohydrates, Plant disease resistance, Plant grafting, Potatoes, Virus diseases (plants), Virus x (potatoes).

17949-68

ANALYSIS OF COMPETITION IN MODEL SYSTEMS. (ABSTRACT).

D M Benson

Phytopathology 58(8):1043

Aug 1968 464.8 P56

Beans, Biological control (pests), Competition, Fungus diseases (plants), Fusarium solani phaseoli.

17950-68

MECHANISM OF INCREASED ROOT ROT IN VIRUS-INFECTED PEAS.

M K Beute

Diss Abstr Sect B 29(2):495B

Aug 1968 Z5055.U49D53

Peas, Plant physiology, Root rot (peas), Roots, Virus diseases (plants).

17951-68

NUMBER OF ZOOSPORES OF APHANOMYCES EUTEICHES REQUIRED FOR INFECTION ON PEAS. (ABSTRACT).

H S Bhallia

Phytopathology 58(8):1043

Aug 1968 464.8 P56

Aphanomyces cuteiches, Fungus diseases (plants), Peas, Root rot (peas), Seedlings.

17952-68

EFFECTS OF WATERING FREQUENCY AND SATURATION TIME ON FINE ROOT NECROSIS OF PEACH CAUSED BY PYTHIUM SPP. (ABSTRACT).

J A Biesbrock F F Hendrix

Phytopathology 58(8):1043

Aug 1968 464.8 P56

Fungus diseases (plants), Necrosis, Peaches, Plant water relations, Pythium, Roots, Soil adsorption, Time.

17953-68

ANAEROBIC METABOLISM OF ALBUGO CANDIDA-INFECTED RADISH COTYLEDONS.

L L Black P H Williams G S Pound

Phytopathology 58(5):672-675 REF

May 1968 464.8 P56

Acetaldehyde, Albugo candida, Carbon dioxide, Metabolism, Radishes.

17954-68

RELATION OF BORON TO CHERRY ROSETTE DISEASE IN OREGON, AND THE POSSIBLE IMPLICATION OF A VIRUS.

B Bolwyn

Diss Abstr Sect B 28(8):3128B

Feb 1968 Z5055.U49D53

Boron, Mazzard cherries, Plant nutritional deficiencies, Rosette (cherries), Virus diseases (plants).

17955-68

THE ROLE OF IAA IN HOST REACTION TO DIFFERENT ISOLATES OF PHYTOPHTHORA CACTORUM. (ABSTRACT).

Z Borecki D F Millikan

Phytopathology 58(8):1044

Aug 1968 464.8 P56

Apples, Collar rot (apples), Fungus diseases (plants), Indoleacetic acid, Phytophthora cactorum.

17956-68

A MECHANISM OF ENHANCED RESISTANCE TO CERATOCYSTIS ULMI IN AMERICAN ELMS TREATED WITH SODIUM TRICHLOROPHENYLACETATE.

W D Brener C H Beckman

Phytopathology 58(5):555-561 REF

May 1968 464.8 P56

Ceratocystis ulmi, Fenac, Fungus diseases (plants), Plant disease resistance, Plant regulators, Tylose, Ulmus.

17957-68

MORPHOLOGY AND LONGEVITY OF VERTICILLIUM ALBO-ATRUM IN COTTON LEAVES. (ABSTRACT).

L A Brinkerhoff D Sarojak N Hormchong N C Rogers

Phytopathology 58(8):1044

Aug 1968 464.8 P56

Cotton, Fungus diseases (plants), Leaves, Longevity, Morphology, Verticillium albo-atrum.

17958-68

HELICOPTER APPLICATION OF PHYTOACTIN TO WHITEBARK PINE. (ABSTRACT).

D H Brown O J Dooling

Phytopathology 58(8):1045

Aug 1968 464.8 P56

Aerial spraying, Antibiotics, Cronartium ribicola, Fungus diseases (plants), Helicopters, Pesticide application, Phytoactin, Pinus albicaulis.

17959-68

CHEMICAL TREATMENT OF HYPOXYLON CANKERS ON ASPEN. (ABSTRACT).

D H Brown S B Silverborg

Phytopathology 58(8):1045

Aug 1968 464.8 P56

Chemicals, Fungus diseases (plants), Hypoxylon, Populus, Therapeutics.

17960-68

GERMINATION OF IMMATURE AND MATURE SPORES OF DIPLODIA NATALENSIS. (ABSTRACT).

G E Brown

Phytopathology 58(8):1044

Aug 1968 464.8 P56

Citrus, Diplodia natalensis, Fungus diseases (plants), Seed germination, Spores.

17961-68

PERMEABILITY CHANGES IN PEAR FRUITS ASSOCIATED WITH PATHOGENESIS BY ERWINIA AMYLOVORA. (ABSTRACT).

A Burkowicz R N Goodman

Phytopathology 58(8):1045-1046

Aug 1968 464.8 P56

Absorption, Bacterial diseases (plants), Erwinia amylovora, Fruit, Pears, Plant translocation. Abstract of American Phytopathological Society meeting

17962-68

RELATION OF UREDIAL AND UREDIOSPORE COUNTS TO EPIPHYTOTIC DEVELOPMENT OF WHEAT RUSTS AND THE VALUE OF THE COUNTS IN PREDICTING DISEASE. (ABSTRACT).

J R Burleigh R W Romig A P Roelfs

Phytopathology 58(8):1045

Aug 1968 464.8 P56

Fungus diseases (plants), Physiology, Puccinia graminis, Rust (wheat), Wheat.

17963-68

DISTRIBUTION IN ONTARIO OF VERTICILLI-UM STRAINS CAUSING WILT OF POTATOES. L V Busch

Can Plant Dis Surv 47(3):76-78

Sep 1967 464.9 C16S

Fungus diseases (plants), Potatoes, Verticillium albo-atrum, Wilt (potatoes).

17964-68

PREMATURE DEATH OF ADULT RUSTED WHEAT PLANTS IN RELATION TO CARBON DIOXIDE EVOLUTION BY ROOT SYSTEMS.

W R Bushnell J B Rowell

Phytopathology 58(5):651-658 REF

May 1968 464.8 P56

Carbon dioxide, Mortality, Plant diseases, Puccinia graminis tritici, Roots, Rust (wheat), Wheat.

17965-68

PECTIN METHYL-TRANS-ELIMINASE AS THE MACERATION FACTOR OF SCLEROTINIA FRUCTIGENA AND ITS SIGNIFICANCE IN BROWN ROT OF APPLE.

R J W Byrde A H Fielding

J Gen Microbiol 52(2):287-297 REF

Jul 1968 448.3 J823

Apples, Brown rot (apples), Fungus diseases (plants), Plant biochemistry, Sclerotinia fructigena.

Abstract

17966-68

INFLUENCE OF NITROGEN FORM ON THE INCIDENCE AND SEVERITY OF APHANOMYCES ROOT ROT OF PEAS. (ABSTRACT).

H E Carley T H King Phytopathology 58(8):1046

Aug 1968 464.8 P56

Aphanomyces euteiches, Fungus diseases (plants), Nitrogen, Peas, Root rot (peas).

17967-68

PATCH CANKER OF HEVEA BRASILIENSIS CAUSED BY PHYTOPHTHORA PALMIVORA. K H Chee

Plant Dis Rep 52(2):132-133

Feb 1968 1.9 P69P

Artificial insemination, Culture mcdia, Environment, Fungus diseases (plants), Hevea brasiliensis, Petrolatum, Phytophthora palmivora, Pythium, Spraying, Tissues, Wood decay.

17968-68

SUSCEPTIBILITY OF TOMATO VARIETIES TO SCLEROTIUM ROLFSII.

G C Clerk J T Dakwa

Plant Dis Rep 51(11):941

Nov 1967 1.9 P69P Fungus diseases (plants), Plant disease resistance, Rot (tomatoes), Sclerotium rolfsii, Tomatoes.

17060 69

CARBON DIOXIDE-POWERED PLOT SPRAYER FOR TURFGRASS DISEASE CONTROL FUNGICIDE APPLICATION.

H Cole P M Anderson

Plant Dis Rep 52(9):678-682

Scp 1968 1.9 P69P Carbon dioxide, Equipment, Fungicides, Grasses, Spraying, Turf.

17970-68

EFFECT OF XANTHOMONAS VESICATORIA ON LOSS OF ELECTROLYTES FROM LEAVES OF CAPSICUM ANNUUM.

A A Cook R E Stall

Phytopathology 58(5):617-619 REF

May 1968 464.8 P56

Bacteria, Bush redpeppers (vegetable), Electrolytes, Leaves, Plant diseases, Plant physiology, Pseudomonadaceae, Xanthomonas vesicatoria.

17971-68

ECOLOGY AND POSSIBLE SIGNIFICANCE OF PERITHECIA OF CALONECTRIA NIVALIS IN THE PACIFIC NORTHWEST.

R J Cook G W Bruehl

Phytopathology 58(5):702-703

May 1968 464.8 P56 Calonectria nivalis, Ecology, Fusarium nivale, Grain, Perithecia. 17972-68

THE RELATIONSHIPS OF OZONE, LOPHODERMIUM PINASTRI AND PULLULARIA PULLULANS TO NEEDLE BLIGHT OF EASTERN WHITE PINE.

A C Costonis

Diss Abstr Sect B 29(2):436B-437B

Aug 1968 Z5055.U49D53

Fungus diseases (plants), Lophodermium pinastri, Needle blight (pinus), Ozone, Pinus strobus, Pullularia pullulans.

17973-68

SOIL FUMIGANTS TESTED FOR CONTROL OF CROWN GALL.

1 W Deep R A McNeilan I C MacSwan

Plant Dis Rep 52(2):102-105

Feb 1968 1.9 P69P

Chemical control (plant diseases), Cherries, Crown galls, Fumigants, Greenhouse culture, Methyl bromide, Seedlings, Soil temperature, Soil testing.

17974-68

POTATO SPINDLE TUBER VIRUS: IN SITU SENSITIVITY OF THE INFECTIOUS AGENT TO RIBONUCLEASE. (ABSTRACT).

T O Diener

Phytopathology 58(8):1048

Aug 1968 464.8 P56

Allergies, Potatoes, Ribonucleic acid, Spindle tuber (potatoes), Virus diseases (plants).

17975-68

OCCURRENCE OF POPLAR CANKERS CAUSED BY FUSARIUM SOLANI IN IOWA.

L S Dochinger

Plant Dis Rep 51(11):900-903 REF

Nov 1967 1.9 P69P

Canker (populus), Fungus diseases (plants), Fusarium solani, Populus alba, Populus deltoides, Populus grandidentata.

17976-68

EFFECT OF SOIL STERILIZATION AND SOIL TYPE ON APPARENT SUSCEPTIBILITY OF TWO MUSKMELON VARIETIES TO FUSARIUM OXYSPORUM F. SP. MELONIS. (ABSTRACT).

D R Douglas C J Eide

Phytopathology 58(8):1048

Aug 1968 464.8 P56

Fungus diseases (plants), Fusarium oxysporum, Muskmelons, Plant disease resistance, Soil analysis, Soil sterilization.

17977-68

EFFECT OF UROMYCES PHASEOLI ON THE WATER RELATIONS OF PRIMARY BEAN LEAVES. (ABSTRACT).

J M Duniway R D Durbin

Phytopathology 58(8):1049

Aug 1968 464.8 P56

Beans, Leaves, Plant physiology, Plant water relations, Uromyces phaseoli.

17978-68

EFFECTIVENESS OF SPECIFIC GENES AND GENE COMBINATIONS IN CONFERRING RESISTANCE TO RACES OF XANTHOMONAS MALVACEARUM IN UPLAND COTTON. (ABSTRACT).

K M El-Zik L S Bird

Phytopathology 58(8):1049

Aug 1968 464.8 P56

Bacterial diseases (plants), Cotton, Genes, Genetics, Plant disease resistance, Xanthomonas malvacearum.

17979-68

MYCELIAL GROWTH AND PRODUCTION OF OOSPORES AS AFFECTED BY BETA-SITOSTEROL, AND THE GERMINATION OF OOSPORES OF PHYTOPHTHORA MEGASPERMA VAR. SOJAE. (ABSTRACT).

D C Erwin J E Partridge W H McCormick

Phytopathology 58(8):1049

Aug 1968 464.8 P56

Agar, Beta-sitosterol, Fungus diseases (plants), Phytophthora megasperma, Plant physiology, Reproduction, Seed germination, Spores.

17980-68

THE SUPPRESSION OF ACTINOMYCETES BY PCNB IN CULTURE MEDIA USED FOR ENUMERATING SOIL BACTERIA.

J D Farley J L Lockwood

Phytopathology 58(5):714-715

May 1968 464.8 P56

Actinomycetes, Biochemistry, Culture media, Pentachloronitrobenzene, Soil bacteria, Soil microbiology.

17981-68

CHEMICAL CONTROL OF SCAB AND ANTHRACNOSE ON SUSCEPTIBLE VARIETIES OF CITRUS IN FLORIDA. (ABSTRACT).

F E Fisher

Phytopathology 58(5):553

May 1968 464.8 P56

Anthracnose (citrus), Chemical control (plant diseases), Citrus, Colletotrichum glocosporioides, Elsinoe fawcetti, Plant diseases, Scab (citrus). Abstract of meeting of Caribbean Division of American Phytopathological Society, 1967

17982-68

RELATIONSHIP BETWEEN FREE AMINO ACIDS AND SYMPTOM EXPRESSION IN CORN INFECTED WITH MAIZE DWARF MOSAIC VIRUS. (ABSTRACT).

R E Ford J C Tu

Phytopathology 58(8):1050

Aug 1968 464.8 P56

Amino acids, Corn, Dwarf mosaic (corn), Mosaic (sugarcane).

17983-68

LOCAL LESION DEVELOPMENT IN TURKISH TOBACCO LEAVES HEATED AFTER INOCULATION WITH TOBACCO MOSAIC VIRUS. (ABSTRACT).

J A Foster A F Ross

Phytopathology 58(8):1050

Aug 1968 464.8 P56

Injections, Leaves, Mosaic (tobacco), Temperature, Tobacco, Virus diseases (plants).

17984-68

INCIDENCE AND PATHOGENICITY OF FUNGI FOUND ON CRANBERRY IN WISCONSIN.

R J Friend

Diss Abstr Sect B 29(2):438B Aug 1968 Z5055.U49D53

Cranharias Fundi Fundi

Cranberries, Fungi, Fungus diseases (plants).

17985-68

INVESTIGATIONS OF THE MECHANISM OF THE NECROTIC RESPONSE OF NICOTIANA TABACUM L. VAR. SAMSUN NN TO INFECTION WITH TOBACCO MOSAIC VIRUS.

H Gaona-Rodriguez

Diss Abstr Sect B 29(2):438B-439B

Aug 1968 Z5055.U49D53

Mosaic (tobacco), Necrosis, Plant physiology, Research, Tobacco, Virus diseases (plants).

17986-68

ULTRASTRUCTURE OF ZEA MAYS LEAF CELLS INFECTED WITH JOHNSON GRASS STRAIN OF SUGARCANE MOSAIC VIRUS. (ABSTRACT).

W S Gardner

Phytopathology 58(8):1050-1051

Aug 1968 464.8 P56

Anatomy, Cells, Corn, Leaves, Mosaic (sugarcane), Sorghum halepense, Virus diseases (plants).

17987-68

SEEDLING RESISTANCE TO POWDERY MIL-DEW OF PURDUE 5752CL-7-5-I WHEAT DERIVED FROM TRITICUM TIMOPHEEVI. (ABSTRACT).

M S Ghemawat C B Kenaga J F Schafer Phytopathology 58(8):1051 Aug 1968 464.8 P56

Fungus diseases (plants), Plant disease resistance, Powdery mildew (wheat), Seedlings, Timopheevi wheat, Wheat.

17988-68

RELATIONSHIP OF ETHYLENE TO CURLY TOP SYMPTOMS. (ABSTRACT).

A H Gold G Faccioli

Phytopathology 58(8):1052

Aug 1968 464.8 P56

Biochemistry, Curly top (sugar beets), Ethylene, Sugar beets, Virus diseases (plants).

17989-68

ULTRASTRUCTURAL CHANGES IN APPLE LEAF CELLS INDUCED BY VIRULENT AND AVIRULENT STRAINS OF ERWINIA AMYLOVORA. (ABSTRACT).

R N Goodman A Burkowicz

Phytopathology 58(8):1052

Aug 1968 464.8 P56

Anatomy, Apples, Bacterial diseases (plants), Cells, Erwinia amylovora, Leaves.

17000 49

EFFECTS OF BARLEY STRIPE MOSAIC VIRUS INFECTION ON THE RESPIRATION OF BARLEY LEAVES. (ABSTRACT).

D T Gordon D C Arny

Phytopathology 58(8):1052

Aug 1968 464.8 P56

Barley, Leaves, Plant physiology, Respiration, Stripe mosaic (barley), Virus diseases (plants).

17991-68

THE EFFECT OF POLYPLOIDY ON PLANT VIRUS REPLICATION AND CONTROL.

D E Harder

Diss Abstr Sect B 29(2):439B-440B

Aug 1968 Z5055.U49D53

Pest control, Polyploidy, Reproduction, Virus diseases (plants).

17992-68

THE DEVELOPMENT OF ALBUGO CANDIDA-INDUCED 'GREEN ISLANDS' ON BRASSICA JUNCEA COTYLEDONS.

H Harding

Diss Abstr Sect B 29(2):440B

Aug 1968 Z5055.U49D53

Albugo, Brassica juncea, Fungus diseases (plants), Plant physiology.

7993-68

HIGH-TEMPERATURE-INDUCED INSOLUBLE COAT PROTEIN IN TOBACCO MOSAIC VIRUS (TMV) -INFECTED PLANTS. (ABSTRACT).

V Hariharasubramanian M Zaitlin

Phytopathology 58(8):1052-1053 Aug 1968 464.8 P56

Mosaic (tobacco), Proteins, Temperature, Tobacco, Virus diseases (plants).

17994-68

THE ROLE OF COTTON AND BEAN SEED EX-UDATE IN PRE-EMERGENCE INFECTION BY RHIZOCTONIA SOLANI.

D S Hayman

Diss Abstr Sect B 29(1):10B

Jul 1968 Z5055.U49D53

Amino acids, Beans, Cotton, Fungus diseases (plants), Peas, Plant physiology, Research, Rhizoctonia solani, Seed germination, Seedlings, Temperature, Tissues.

17995-68

EFFECT OF MODERATE ADULT RESISTANCE ON PENETRATION, HYPHAL GROWTH RATES, AND UREDIOSPORE PRODUCTION BY CROWN RUST OF OATS. (ABSTRACT).

A S Heagle M B Moore

Phytopathology 58(8):1053 Aug 1968 464.8 P56

Crown rust (oats), Fungus diseases (plants), Oats, Plant disease resistance, Plant physiology, Puccinia coronata, Reproduction.

CROP PRODUCTION

17996-68

17996-68

SYSTEMIC-CHEMICAL PAINTS FOR THE CONTROL OF CYTOSPORA CANKER DISEASE IN PRUNE TREES.

A W Helton W J Kochan

Plant Dis Rep 52(2) 154-157

Feb 1968 1.9 P69P

Canker (plums), Cycloheximide thiosemicarbazone, Cytospora cincta, Dimethyl sulfoxide, Fungicides, Linseed oil, Plant diseases, Plums, Water.

PREVALENCE OF THIELAVIOPSIS BASICOLA IN NATURALLY INFESTED SOIL AFTER CUL-TIVATION OF VARIOUS CROPS FOR FIVE CONSECUTIVE YEARS. (ABSTRACT).

L Henson C C Litton G W Stokes

Phytopathology 58(8):1053

Aug 1968 464.8 P56

Field crops, Population, Soil fungi, Thielaviopsis basicola, Tillage, Time.

AN INVESTIGATION OF THE TOBACCO MOSAIC VIRUS MULTIPLICATION PROCESS AND ITS EFFECT ON THE METABOLISM OF THE HOST.

A Hirai

Diss Abstr Sect B 29(2):497B-648B

Aug 1968 Z5055.U49D53

Metabolism, Mosaic (tohacco), Reproduction, Research, Tohacco, Virus diseases (plants).

ASCOSPORE PRODUCTION, DISCHARGE AND INFECTION BY GLOMERELLA CINGULATA CAUSING COFFEE BERRY DISEASE.

D Hocking J C Johanns H Vermeulen Nature 214(5093):1144-1145 REF

10 Jun 1967 472 N21

Ascospores, Coffee berry disease, Economics, Fungus diseases (plants), Glomerella cingulata, Plant disease transmission, Plant morphology, Rainfall, Reproduction, Research.

COMPARATIVE PHYSIOLOGY OF PINUS MONTICOLA DOUGL. RESISTANT AND SUSCEPTIBLE TO CRONARTIUM RIBICOLA J. C. FISCH, EX. RABENH.

R I Hoff

Diss Abstr Sect B 29(2):441B

Aug 1968 Z5055.U49D53

Cronartium ribicola, Fungus diseases (plants), Pinus monticola, Plant disease resistance, Plant physiology.

18001-68

EXOCORTIS IN ORTANIQUE ORANGE.

I Hosein

Plant Dis Rep 52(9):741

Sep 1968 1.9 P69P

Exocortis (oranges), Oranges, Research, Roots, Virus diseases (plants).

18002-68

SEROLOGICAL DIAGNOSTIC METHOD WITHOUT ISOLATION ERWINIA ()F AMYLOVORA CULTURE FROM A DISEASED PLANT. (RUS)

V P Izrailksy S N Schkljar G I Orlova

Microbiol Espon 36(3):497-502

May 1967 448.3 M583

Antibiotics, Erwinia amylovora, Fire blight (fruit), Physiology, Taxonomy. English and russian abstract

18003-68

EFFECT OF SOIL FUNGICIDES ON DEVELOP-MENT OF FUNGLIN SOIL AND ON KERNELS OF GROUNDNUT.

A Z Joffe N Eisker

Plant Dis Rep 52(9):718-721

Sep 1968 1.9 P69P

Aspergillus flavus, Chemicals, Crop yields, Fungicides, Fusarium solani, Injections, Peanuts, Seedlings, Soil fungi, Soils.

A PHYTOPHTHORA FROM SUBTERRANEAN CLOVER ROOTS THAT ATTACKS SOYBEAN AND OTHER LEGUMES. (ABSTRACT).

H W Johnson B L Keeling

Phytopathology 58(8):1054

Aug 1968 464.8 P56

Fungus diseases (plants), Legumes, Phytophthora, Roots, Soybeans, Subterranean clover.

PROTEIN AND ENZYME CHANGES IN WHEAT LEAVES FOLLOWING INFECTION WITH PUCCINIA RECONDITA.

Ł B Johnson B Ł Brannaman F P Zscheile

Phytopothology 58(5):578-583 REF

May 1968 464.8 P56

Enzymes, Fungus diseases (plants), Leaves, Proteins, Puccinia recondita, Rust (wheat), Wheat.

POTENTIAL OF THE RHIZOBIUM-FUSARIUM INTERACTIONS ON THE INCIDENCE OF AL-FALFA ROOT ROT.

Diss Abstr Sect B 29(2):441B-442B

Aug 1968 Z5055.U49D53

Alfalfa, Fusarium, Rhizobium, Root rot (alfalfa).

TOBACCO NECROSIS VIRUS AND ITS SATEL-LITE VIRUS.

B Kassanis

Nature 214(5084)178

08 Apr 1967 472 N21

Culture media, Necrosis, Research, Tobacco, Viruses.

18008-68

ISOLATION AND **PROPERTIES** PLASMODIOPHORA BRASSICAE PLASMODIA FROM INFECTED CRUCIFER TISSUES AND TISSUE CULTURE CALLUS. (ABSTRACT).

N T Keen M N Reddy P H Williams

Phytopathology 58(8):1054

Aug 1968 464.8 P56

Callus (plants), Cruciferae, Fungus diseases (plants), Plasmodiophora brassicae, Properties, Tissue culture, Tissues.

THE RESPONSE OF BEAN TO OZONE AS RE-LATED TO INFECTION BY PSEUDOMONAS PHASEOLICOLA. (ABSTRACT).

E D Kerr R A Reinert

Phytopathology 58(8):1055

Aug 1968 464.8 P56

Beans, Biochemistry, Fungus diseases (plants), Ozone, Pseudomonas phaseolicola.

GENETIC VARIATION IN SUSCEPTIBILITY TO FUSIFORM RUST IN A WILD POPULA-TION OF LOBLOLLY PINE. (ABSTRACT).

B B Jr, Kinloch

Phytopathology 58(8):1055

Aug 1968 464.8 P56

Cronartium fusiforme, Fungus diseases (plants), Genetics, Pinus tacda, Plant disease resistance, Rust (pinus taeda).

18011-68

STUDIES ON THE EFFECTS OF IIG(II) AND SUCROSE ON THE MECHANICAL TRANSMIS-SION OF TOBACCO MOSAIC VIRUS RIBONUCLEIC ACID TO PINTO BEAN (PHASEOLUS VULGARIS L.).

J R Kongsvik

Diss Abstr Sect B 29(2):442B-443B

Aug 1968 Z5055.U49D53

Injections, Kidney beans, Mercury, Mosaic (tobac-co), Research, Ribonucleic acid, Sucrose, Virus diseases (plants).

18012-68

BIOLOGICAL AND ECOLOGICAL RELATION-SHIPS OF THE FUNGUS, ENTOMOPHTHORA CORONATA (COSTANTIN) KEVORKIAN AND THE GARDEN SYMPHYLAN, SCUTIGERELLA IMMACULATA (NEWPORT).

R F Koontz

Diss Abstr Sect B 29(2):646B

Aug 1968 Z5055.U49D53

Biology, Ecology, Entomophthora coronata, Fungi, Scutigorella immaculata.

EFFECT OF VARIETY ON THE CONTROL OF POTATO LATE BLIGHT WITH FUNGICIDES. (ABSTRACT).

R E Kroll C J Eide

Phytopathology 58(8):1056

Aug 1968 464.8 P56

Chemical control (pests), Fungicides, Fungus diseases (plants), Late blight (potatoes), Potatoes.

INTERCEPTIONS OF PLANT DISEASES THROUGH THE PORT OF BOMBAY.

T B Lal

Plant Protect Bull 18(2):9-13

1966 421 P69

Airports, Foreign trade, Import control, Plant diseases, Plant quarantine.

18015-68

RACES OF PUCCINIA POLYSORA NIGERIA.

G M Lallmahomed J Craig Plant Dis Rep 52(2):136-138

Feb 1968 1.9 P69P

Corn, Fungus diseases (plants), Greenhouse culture, Humidity, Plant physiology, Puccinia polysora, Puccinia sorghi, Rust (corn), Seedlings.

RELATIONSHIPS AMONG RACES OF PYRICU-LARIA ORYZAE. (ABSTRACT.

F M Latterell M A Marchetti Phytopathology 58(8):1057

Aug 1968 464.8 P56

Blast (rice), Fungus diseases (plants), Immunity, Plant disease resistance, Pyricularia oryzae, Rice.

MULTIPLICATION OF **PSEUDOMONAS** GLYCINEA IN BUDS SEEDLINGS. (ABSTRACT). OF SOYBEAN

C Leben V Rusch A F Schmitthenner

Phytopathology 58(8):1057

Aug 1968 464.8 P56 Fungus diseases (plants), Pseudomonas glycinea, Reproduction, Seedlings, Soybeans.

ROLE OF NITROGEN IN WOOD DETERIORA-TION. VI. MYCELIAL FRACTIONS AND MODEL NITROGEN COMPOUNDS AS SUB-STRATES FOR GROWTH OF POLYPORUS VERSICOLOR AND OTHER WOOD-DESTROY-ING AND WOOD-INHABITING FUNGI.

M P Levi W Merrill E B Cowling

Phytopathology 58(5):626-634 REF

May 1968 464.8 P56

Basidiomycetes, Fungi, Nitrogen compounds, Plant diseases, Polyporus versicolor, Tree injuries, Wood decay, Wood destroying fungi.

EFFECT OF RUTIN AND ITS DEGRADATION PRODUCTS ON FUSARIUM ROOT ROT OF BEAN. (ABSTRACT).

J A Lewis

Phytopathology 58(8):1057

Aug 1968 464.8 P56

Degradation, Fungus diseases (plants), Fusarium solani phaseoli, Root rot (heans), Rutin.

PHYTOALEXIN PRODUCTION IN CORN RE-SISTANT TO HELMINTHOSPORIUM TUR-CICUM.

S M Lim J D Paxton A L Hooker

Phytopathology 58(5):720-721

May 1968 464.8 P56

Corn, Fungus diseases (plants), Genes, Hel-minthosporium turcicum, Phytoalexin, Plant genetics, Plant pest resistance.

STIMULATION OF SCLEROTIUM ROLFSII AND ITS ANTAGONISTS BY VOLATILE COM-PONENTS OF ALFALFA HAY. (ABSTRACT).

R G Linderman R G Gilbert Phytopathology 58(8):1057

Aug 1968 464.8 P56

Alfalfa, Competition, Fungus diseases (plants), Hay, Sclerotium rolfsii.

18022-68

STEM RUST INFECTION AND DEVELOPMENT IN ARTIFICIALLY INOCULATED FIELDS OF WHEAT AT HAYS, KANS., AND ITS EFFECT ON YIELD, 1960 TO 1965. (ABSTRACT).

R F Line C E Peet C H Kingsolver Phytopathology 58(8):1057-1058

Aug 1968 464.8 P56

Fungus diseases (plants), Puccinia graminis, Stem rust (wheat), Wheat.

18023-68

AUXIN AND CROWN GALL TUMOR INITIA-TION. (ABSTRACT).

J A Lippincott B B Lippincott Phytopathology 58(8):1058

Aug 1968 464.8 P56

Agrobacterium tumefaciens, Bacterial diseases (plants), Beans, Crown galls (beans), Indoleacetic acid, Plant hormones.

18024-68

A SECOND GENE FOR RESISTANCE TO PUC-CINIA GRAMINIS F SP TRITICI IN THE RED EGYPTIAN 2D WHEAT SUBSTITUTION LINE.

W Q Loegering

Phytopathology 58(5):584-586 May 1968 464.8 P56

Plant breeding, Plant disease resistance, Plant genetics, Poulard wheat, Puccinia graminis tritici. Spanish summary

18025-68

DIFFERENTIATION OF RACES OF PSEU-DOMONAS SOLANACEARUM BY A HYPER-SENSITIVE REACTION OF TOBACCO LEAVES. (ABSTRACT).

J C Lozano L Sequeira

Phytopathology 58(8):1058 Aug 1968 464.8 P56

Allergies, Bacterial diseases (plants), Leaves, Pseudomonas solanacearum, Tobacco,

LOW LIGHT INTENSITY PROMOTES MELT-ING OUT OF BLUEGRASS. (ABSTRACT).

R J Lukens

Phytopathology 58(8):1058

Aug 1968 464.8 P56

Epidemiology, Fungus diseases (plants), Hel-minthosporium vagans, Lighting, Melting out (poa), Poa.

18027-68

RESISTANCE BREAKDOWN IN MAIZE TO MAIZE DWARF MOSAIC VIRUS AFTER TREATMENT WITH ATRAZINE. (ABSTRACT).

D R MacKenzie H Cole C D Ercegovich Phytopathology 58(8):1058

Aug 1968 464.8 P56

Atrazine, Biochemistry, Corn, Dwarf mosaic (corn), Plant disease resistance, Therapeutics, Virus diseases (plants).

INFLUENCE OF NITROGEN NUTRITION ON FUSARIUM ROOT ROT OF PINTO BEAN AND ON ITS SUPPRESSION BY BARLEY STRAW.

Phytopathology 58(5):620-625 REF

May 1968 464.8 P56

Barley straw, Fusarium, Kidney beans, Nitrogen, Nutrition, Plant diseases, Root rot (beans).

18029-68

INDUCED RESISTANCE TO BACTERIAL WILT IN SUSCEPTIBLE TOBACCO CUTTINGS PRETREATED WITH AVIRULENT MUTANTS OF PSEUDOMONAS. (ABSTRACT).

Phytopathology 58(8):1058-1059

Aug 1968 464.8 P56

Bacterial diseases (plants), Mutation, Plant cuttings, Plant disease resistance, Pseudomonas, Tobacco, Wilt (tobacco).

CONCENTRATIONS OF SOLUTES IN BLISTER RUST INFECTIONS OF WESTERN WHITE PINE. (ABSTRACT).

Phytopathology 58(8):1059

Aug 1968 464.8 P56

Blister rust (pinus monticola), Cronartium ribicola, Fungus diseases (plants), Pinus monticola, Solutes.

RELATION OF INVASION OF CEREAL GRAINS AND OIL SEEDS BY STORAGE FUNGI TO INCREASE IN TOTAL AND MAJOR IN-DIVIDUAL FATTY ACIDS. (ABSTRACT).

D C McGee C M Christensen

Phytopathology 58(8):1059-1060

Aug 1968 464.8 P56

Fatty acids, Fungus diseases (plants), Grain, Oilseeds, Storage.

18032-68

A STUDY ON AUXIN AND CHLOROGENIC ACID IN LEAF-ROLL RESISTANT AND SUSCEPTIBLE POTATO VARIETIES.

R T McMillan

Diss Abstr Sect B 29(2):443B

Aug 1968 Z5055.U49D53

Chlorogenic acid, Leaf roll (potatoes), Plant disease resistance, Plant hormones, Potatoes, Research, Virus diseases (plants).

18033-68

ALTERNARIA TENUIS ON ANTIRRHINUM.

S C Melville T E Chalk

Plant Pathol 17(2):95

Jun 1968 464.8 P692

Alternaria tenuis, Antirrhinum majus, Fungus diseases (plants), Injections, Nurseries, Seedlings, Spraying.

EFFECT OF CONTROL PROGRAMS ON DEVELOPMENT OF EPIDEMICS OF DUTCH ELM DISEASE. (ABSTRACT).

W Merrill

Phytopathology 58(8):1060

Aug 1968 464.8 P56

Dieback (ulmus), Epidemiology, Plant diseases, Plant protection, Ulmus.

18035-68

ROTTING BASIDIOMYCETE, GEOTROPUS. AN ARYLSULFATASE IN THE WOOD **FOMES**

F H Millazzo G J Lougheedi

Can J Bot 45(4):532-534

Apr 1967 470 C16C

Arylsulfatase, Basidiomycetes, Fomes geotropus, Plant metabolism, Wood destroying fungi.

18036-68

INTERACTION OF MELOIDOGYNE **JAVANICA** AND **PHYTOPHTHORA** PARASITICA VAR NICOTIANAE ON NICOTIANA TABACUM (N. C. 95.' (ABSTRACT).

Phytopathology 58(5):553

May 1968 464.8 P56

Black shank (tobacco), Fungus diseases (plants), Meloidogyne incognita, Meloidogyne javanica, Nematodes, Phytophthora parasitica nicotianae, Tobacco. Abstract of meeting of Caribbean Division of American Phytopathological Society, 1967

18037-68

IDENTIFICATION OF STRAINS OF WATER-MELON MOSAIC VIRUS BY SEROLOGY AND OTHER CHARACTERISTICS. (ABSTRACT).

K S Milne R G Grogan

Phytopathology 58(8):1060

Aug 1968 464.8 P56

Mosaic (watermelons), Properties, Serological tests, Virus diseases (plants), Watermelons.

18038-68

ENVIRONMENTAL EFFECTS AND TRANSFER EVENTS DURING PRIMARY INFECTION OF WHEAT BY ERYSIPHE GRAMINIS.

M S Mount

Diss Abstr Sect B 29(2):444B

Aug 1968 Z5055.U49D53

Environment, Erysiphe graminis, Fungus diseases (plants), Wheat.

TRANSMISSION OF A LEAFHOPPER-BORNE VIRUS FROM NATURALLY INFECTED POA ANNUA IN CZECHOSLOVAKIA.

A Murtomaa V Valenta

Biologia (bratislava) 23(5):389-392

1968 442.8 B5265

Barley, Cicadellidae, Insect vectors, Poa annua, Virus diseases (plants). Czechoslovakian, russian, german and english abstract

Abstract

SOME ADDITIONS TO THE SPECIES OF CER-COSPORA FROM WEST PAKISTAN.

M A Nasir Z Ullah

Pakistan J Sci 19(1-2):45-46

Jan 1967 475 P172

Cercospora alhagi, Cercospora convolvuli, Cercospora medicaginis, Cercospora premnae, Fungus diseases (plants), Plant diseases.

INCREASING THE EFFICACY OF FUN-GICIDAL CONTROL OF BLACK POD ROT OF CACAO INCITED BY PHYTOPHTHORA PAL-MIVORA. (ABSTRACT).

A G Newhall

Phytopathology 58(5):553

May 1968 464.8 P56

Black pod (cacao), Cacao, Fungus diseases (plants), Pesticides, Phytophthora palmivora, Spraying. Abstract of meeting of Caribbean Division of American Phytopathological Society, 1967

18042-68

THE PRESENCE OF TRISTEZA VIRUS IN CER-TAIN SPECIES OF CITRUS IN CYPRUS.

A Papasolomontos C V Economides

Fao Plant Protect Bull 16(1):8-9 REF Feb 1968 421 P692

Aphis gossypii, Citrus, Host indexing (plants), Plant disease transmission, Toxoptera aurantii, Tristeza (citrus), Virus diseases (plants).

Abstract: Through an extensive indexing program designed for detecting carriers of tristeza in Cyprus, 4 species of citrus were found to be infected. In spite of the rather wide distribution of infected trees, there appears to have been very little natural spread. This suggests that Aphis gossypii and Toxoptera aurantii are inefficient vectors.

FACTORS INFLUENCING AFLATOXIN ACCU-MULATION IN PEANUT KERNELS AND THE ASSOCIATED MYCOFLORA.

R E Pettit R A Taber

Appl Microbiol 16(8):1230-1234 REF

Aug 1968 448.3 AP5

Aflatoxin, Aspergillus flavus, Chromatography, Equipment, Fungus diseases (plants), Humidity, Peanuts, Temperature, Weather.

ANNALS OF THE PHYTOPATHOLOGICAL SOCIETY OF JAPAN.

Phytopathol Soc Jap Ann 34(3):210 P

CROP PRODUCTION

18045-68

May 1968 464.9 P562

Bacterial diseases (plants), Fungicides, Fungus diseases (plants), Phytopathology, Virus diseases (plants).

18045-68

CYTOCIIROME OXIDASE AND MITOCHON-DRIAL PROTEIN IN EXTRACTS OF LEAVES OF NICOTIANA GLUTINOSA L. INFECTED WITH TOBACCO MOSAIC VIRUS.

W S Pierpoint

J Expt Bot 19(59):264-275 REF

May 1968 450 J8224

Culture media, Cytochrome oxidase, Extracts, Leaves, Mitochondria, Nicotiana glutinosa, Proteins, Virus diseases (plants).

FUNGISTATIC CONSTITUENTS IN CITRUS VARIETIES RESISTANT TO THE MAL-SECCO DISEASE

J Pinkas D Lavie M Chorin

Phytochemistry 7(2):169-174

Feb 1968 450 P5622

Biological assay, Deuterophoma tracheiphila, Flavones, Fungicides, Mal secco (citrus), Plant analysis, Plant biochemistry, Plant disease resistance.

18047-68

TOMATO BUSHY STUNT VIRUS ON TOMATO CROPS IN ARGENTINA.

R E Pontis O Gracia J M Feldman

Plant Dis Rep 52(9):676-677

Sep 1968 1.9 P69P

Bushy stunt (tomatoes), Culture media, Electron microscopy, Research, Serological tests, Tomatoes, Virus diseases (plants).

18048-68

CYTOKININ EFFECT OF BENZYLADENINE: INCREASE OF NUCLEIC ACID AND PROTEIN SYNTHESIS IN BEAN LEAVES.

B I Pozsar M El Hammady Z Kiraly

Nature 214(5085):273-274 REF

15 Apr 1967 472 N21

Beans, Benzyladeninc, Kinetin, Leaves, Mosaic (tobacco), Nucleic acids, Plant disease resistance, Plant metabolism, Plant physiology, Proteins, Virus diseases (plants).

REPRODUCTION OF THE COCONUT LETHAL YELLOWING SYNDROME BY MECHANICAL INOCULATION OF YOUNG SEEDLINGS.

W C Price A P Martinez D A Roberts

Phytopathology 58(5):593-596 REF

May 1968 464.8 P56

Coconuts, Lethal yellowing (coconuts), Plant diseases, Seedlings.

18050-68

TOLERANCE TO BARLEY YELLOW DWARF IN WINTER OATS.

C O Qualset

Plant Dis Rep 51(11):908-910 REF

Nov 1967 1.9 P69P

Oats, Plant disease resistance, Plant hardiness, Virus diseases (plants), Yellow dwarf (barley), Yellow dwarf (oats).

18051-68

STUDIES ON THE PATHOGEN AND VECTOR OF DUTCH ELM DISEASE. A. MORPHOGENESIS IN CERATOCYSTIS ULMI. B. CHEMICALS STIMULATING FEEDING BY SCOLYTUS MULTISTRIATUS. II. AN IMPROVED MULTISTRIATUS. II. AN IMPROVED METHOD FOR THE ISOLATION OF A TOXIC METABOLITE FROM RHIZOCTONIA LEGU-MINICOLA.

D P Rainey

Diss Abstr Sect B 28(11):4419B

May 1968 Z5055.U49D53

Biochemistry, Ceratocystis ulmi, Feed, Fungus diseases (plants), Insect vectors, Metabolites, Rhizoctonia leguminicola, Scolytus multistriatus, Stimulants.

THE PATHOGENICITY OF SECONDARY AND TERTIARY BASIDIOSPORES OF CRONARTI-UM FUSIFORME.

Phytopathology 58(5):712-713 REF

May 1968 464.8 P56

Basidiospores, Cronartium fusiforme, Microorganisms, Pinus, Reproduction, Spore germination.

A LEAF BLIGHT OF CORN (ZEA MAYS) IN-CITED BY FUSARIUM MONILIFORME. (AB-STRACT).

E Schieber A S Muller

Phytopathology 58(5):554

May 1968 464.8 P56

Corn, Fusarium moniliforme, Leaf blight (corn), Leaves, Plant diseases. Abstract of meeting of Caribbean Division of American Phytopathological Society, 1967

PRELIMINARY STUDIES ON PHYLLACHORA MAYDIS AFFECTING CORN IN CENTRAL AMERICA. (ABSTRACT).

E Schieber

Phytopathology 58(5):554

May 1968 464.8 P56

Corn, Phyllachora maydis, Plant disease resistance, Tar spot (corn). Abstract of meeting of Caribbean Division of American Phytopathological Society.

SUSCEPTIBILITY OF WEAKENED COTTON-WOOD STEMS TO FUNGI ASSOCIATED WITH BLACKSTEM.

D F Schoeneweiss

Plant Dis Rep 51(11):933-935

Nov 1967 1.9 P69P

Agricultural research, Canker (populus deltoides), Canker (populus trichocarpa), Cytospora chrysosperma, Fungus diseases (plants), Populus deltoides, Populus trichocarpa, Tree diseases.

18056-68

FACTORS AFFECTING THE INFECTION OF BLACK SPRUCE (PICEA MARIANA MILL.) TRANSPLANTS BY CYLINDROCLADIUM SCOPARIUM.

H Scholten

Diss Abstr Sect B 28(8):3131B

Feb 1968 Z5055.U49D53

Cylindrocladium scoparium, Fungus diseases (plants), Loam, Picea mariana, Transplanting, Trizone.

18057-68

STAND LOSS OF SMALL GRAINS IN FLORIDA.

D Sechler H H Luke

Plant Dis Rep 51(11):919-922

Nov 1967 1.9 P69P

Barley, Helminthosporium sorokinianum, Oats, Plant disease control, Pythium aphanidermatum, Rye, Seed treatment, Soil temperature, Wheat.

18058-68

OCCURRENCE OF AGROPHRON MOSAIC VIRUS IN MONTANA.

J F Shepard

Plant Dis Rep 52(2):139-141 REF

Ecb 1968 1.9 P69P

Cytoplasm, Leaves, Morphology, Serological tests, Tissues, Virus diseases (plants), Wheat.

Abstract: Susceptible hosts were Agropyron repens, agropyron elongatum, and Triticum aestivum 'cheyenne'. hosts of low susceptibility were Agropyron trachycaulum and elymus canadensis.

CONDITIONS FOR INFECTION OF CELERY BY SEPTORIA APIICOLA.

J E Sheridan

Plant Dis Rep 52(2):142-145

Feb 1968 1.9 P69P

Celery, Distilled water, Environment, Fungus diseases (plants), Greenhouses, Laboratories, Leaves, Septoria apiicola, Spraying.

18060-68

THE FREQUENCY OF PENETRATION OF EPIDERMAL STRIPS AND INTACT WHEAT LEAVES BY PUCCINIA GRAMINIS F. SP. TRITICI.

W A Shipton J F Brown

Phytopathology 58(5):704-705

May 1968 464.8 P56

Frequency distribution, Leaves, Plant diseases, Puccinia graminis tritici, Uredospores, Wheat.

THE EFFECT OF DECOMPOSING ORGANIC MATTER ON ZINC LEVEL IN SOIL AND PLANTS.

K S M Shoukry

Diss Abstr Sect B 28(8):3127B

Feb 1968 Z5055.U49D53

Beans, Biological assay, Decomposition, Plant nutritional deficiencies, Soil chemistry, Zinc.

CHEMICAL CONTROL OF CORN HEAD SMUT.

W R Simpson H S Fenwick

Plant Dis Rep 52(9):726-727

Sep 1968 1.9 P69P

Chemical control (plant diseases), Crop yields, Head smut (corn), Research, Seeds, Sphacelotheca rciliana, Spraying.

18063-68

CYTOMORPHOLOGICAL FEATURES OFTMV-INFECTED TOBACCO CALLUS CELLS IN TIS-SUE CULTURE.

M Singh A C Hildebrandt

Phyton (vicente Lopez) 24(1):31-33

May 1967 450 P567

Callus (plants), Mitochondria, Mosaic (tobacco), Plant morphology, Tissue culture, Virus diseases (plants).

18064-68

PATHOGENIC AND CULTURAL VARIATION IN PHYTOPHTHORA NICOTIANAE VAR PARASITICA FROM GREENHOUSE PLANTS.

B S Siradhana C W Ellett A F Schmitthenner Phytopathology 58(5):718-719

May 1968 464.8 P56

Antirrhinum, Greenhouse culture, Parasitism. Peperomia obtusifolia, Phytophthora parasitica nicotianae, Plant diseases, Saintpaulia, Sinningia, Tomatoes.

18065-68

ADDITIONAL INFORMATION
PATHOGENICITY OF SCI ON THE SCLERODERRIS LAGERBERGII.

E Smerlis

Plant Dis Rep 52(9):738-739

Sep 1968 1.9 P69P

Fungus diseases (plants), Injections, Mortality, Research, Scleroderris lagerbergii, Tree diseases, Trees.

18066-68

ALTERATIONS IN THE AUXIN LEVELS OF RESISTANT AND SUSCEPTIBLE HOSTS IN-DUCED BY THE CURLY TOP VIRUS.

S H Smith S R McCall J H Harris

Phytopathology 58(5):575-577

May 1968 464.8 P56

Beets, Curly top (beets), Curly top (tomatoes), Kidney beans, Plant disease resistance, Plant hormones, Plant regulators, Tomatoes, Virus diseases (plants).

CROSS PROTECTION BETWEEN A PLANT VIRUS AND POTATO PSYLLID YELLOWS. R Staples

J Econ Entomol 61(5):1378-1380 REF

15 Oct 1968 421 J822

Feeding, Insect vectors, Nymphs, Paratrioza cockerelli, Potatoes, Psylla, Temperature, Virus diseases (plants).

18068-68

THE INFLUENCE OF CROP-ROTATION ON THE ATTACK OF CARROTS BY MELDIDO-GYNE HAPLA CHITW. AND SYMPTOM FORMATION. (GE)

V W Stein E Richter

Z Pflanzenkrankh (pflanzenpathol) Pflanzenschutz 75(2):93-98

Feb 1968 464.8 Z3

Carrots, Crop rotation, Meloidogyne hapla, Plant nematodes, Potatoes, Roots. English summary

18069-68

A COMPARATIVE NUTRITIONAL STUDY OF ALTERNARIA RAPHANI, A. BRASSICAE, AND A. BRASSICOLA WITH SPECIAL REFERENCE TO A. RAPHANI.

R A Taber T C Vanterpool W A Taber Phytopathology 58(5):609-616 REF

May 1968 464.8 P56

Alternaria brassicae, Alternaria brassicicola, Alternaria raphani, Culture media, Nutrition.

18070-68

EFFECTS OF NEMATODE EXTRACTION METHOD, SOIL MIXTURE, AND NEMATODE NUMBERS ON THE TRANSMISSION OF TOBACCO RINGSPOT VIRUS BY XIPHINEMA AMERICANUM.

D. Teliz

Nematologica 13(2):177-185 REF

1967 436.8 N342

Epidemiology, Plant nematodes, Ring spot (tobacco), Soil properties, Virus diseases (plants), Xiphinema americanum. English, german and spanish abstract

Abstract

18071-68

BACTERIAL CANKER OF TOMATO; INOCU-LUM LEVEL NEEDED FOR INFECTION.

B D Thyr

Plant Dis Rep 52(9):741-743

Sep 1968 1.9 P69P

Bacterial canker (tomatoes), Cells, Corynebacterium michiganense, Mortality, Research, Seedlings, Tissues, Tomatoes.

18072-68

THE SUMMER BIOLOGY OF PUCCINIA STRIIFORMIS IN SOUTHEASTERN WASHINGTON. I. INDUCTION OF INFECTION DURING THE SUMMER.

J C Tu W Hendrix

Plant Dis Rep 51(11):911-914

Nov 1967 1.9 P69P

Infectious diseases, Parasitism, Plant temperature, Puccinia striiformis, Stripe rust (wheat), Urediospores.

18073-68

STUDIES OF THE RESISTANCE OF LOCAL APPLE VARIETIES TO SCAB (VENTURIA INAEQUALIS (CKE.) WINT.) UNDER CLIMATIC CONDITIONS OF CENTRAL ANATOLIA. (TU)

K Turkoglu U Erkal

Bitki Koruma Bulteni 7(2):78-89

1967 464.8 B542

Apples, Climate, Fungus diseases (plants), Scab (apples), Venturia inaequalis. French summary.

18074-68

ULTRASTRUCTURE OF HOST AND PARASITE IN COMPATIBLE AND INCOMPATIBLE INERACTIONS OF ZEA MAYS L. WITH PUCCINIA SORGHI SCHW.

C G Van Dyke

Diss Abstr Sect B 29(2):444B

Aug 1968 Z5055.U49D53

Anatomy, Corn, Fungus diseases (plants), Parasitism, Puccinia sorghi.

18075-68

EFFECT OF MCPA ON LETTUCE PRE-INOCULATED WITH LETTUCE MOSAIC VIRUS.

J M Way

Plant Pathol 17(2):75-77

Jun 1968 464.8 P692

Injections, Mosaic (lettuce), Plant physiology, Research, Spraying, Virus diseases (plants).

18076-68

GENETICS OF REACTION TO PUCCINIA SORGHI IN TEN CORN INBRED LINES FROM AFRICA AND EUROPE.

D R Wilkinson A L Hooker

Phytopathology 58(5):605-608

May 1968 464.8 P56

Corn, Genes, Plant breeding, Plant disease resistance, Plant genetics, Puccinia sorghi.

18077-69

NEW FUNGICIDES EFFECTIVE FOR PECAN SCAB CONTROL IN GEORGIA.

R E Worley S A Harmon

Plant Dis Rep 52:2):108-109

Feb 1968 1.9 P69P

Chemical control (plant diseases), Fungicides, Fungus diseases (plants), Fusicladium effusum, Scab (pecans), Spraying, Tree diseases.

18078-68

CULTURAL AND PATHOGENICITY STUDIES OF INDUCED VARIANTS OF BEAN AND PEA ROOT ROT FUSARIUM SPECIES.

S M Yang D J Hagedorn

Phytopathology 58(5):639-643 REF

May 1968 464.8 P56

Beans, Culture media, Fusarium, Fusarium solani, Peas, Plant diseases, Root rot (beans), Root rot (peas).

18079-68

ROOT ROT AS A CAUSE OF RED CLOVER DECLINE IN LEYS IN FINLAND.

A Ylimaki

Ann Agr Fenn 6(1, SUP):7-59 MAP, REF 1967 20 AN7

Fungus diseases (plants), Red clover, Root rot (red clover).

Abstract

18080-68

ON LIGHT-SENSITIVITY IN GERMINATING UREDOSPORES OF WHEAT BROWN RUST.

J C Zadoks L J M Groenewegen

Neth J Plant Pathol 73(3):83-102

1967 464.8 T44

Brown rust (wheat), Fungus diseases (plants), Light, Plant physiology, Puccinia recondita, Spore germination, Temperature, Wheat.

Abstract: Experiments consisted of 3 phases: Spore production, spore storage, spore germination. The light-inhibited spores germinate rapidly after being placed in darkness with germination rate little affected by duration of light exposure. After a few hours of light exposure a gradually increasing proportion of light-inhibited spores is killed, which means that the reversability of the light-inhibition is limited.

18081-68

RECENT SPREAD AND PRESENT DISTRIBUTION OF FIRE BLIGHT IN THE WORLD.

T Van Der Zwet

Plant Dis Rep 52(9):698-699

Sep 1968 I.9 P69P

Erwinia amylovora, Geography, Pseudomonas syringae, Reports, Research.

ARTHROPODS

18082-68

SYSTEMATIC INSECTICIDE SEED TREAT-MENT TESTS ON SOYBEANS. BOWLING, C C. *J Econ Entomol* 61(5):1224-1227 15 Oct 1968 421 1822 Biochemistry, Chemical control (insects), Diabrotica undecimpunctata howardi, Insect pests, Insecticide application, Insecticides, Plant physiology, Seed germination, Seedlings, Soybeans.

18083-68

ALUMINUM FOIL AND WHITE POLYETHYLENE MULCHES TO REPEL APHIDS AND CONTROL WATERMELON MOSAIC.

W C Adlerz P H Everett

J Econ Entomol 61(5):1276-1279 REF

15 Oct 1968 421 J822

Aluminum foil, Aphididae, Chemical control (insects), Insect pests, Insect repellents, Insect traps, Insect vectors, Mosaic (watermelons), Mulches, Polyethylene, Virus diseases (plants).

18084-68

SURVIVAL OF THE BALSAM WOOLLY APHID ON ABIES LOGS.

M D Atkins T A D Woods

Can Entomol 100(4):412-420 MAP

Apr 1968 421 C16

Abies grandis, Chermes piceae, Insect biology, Insect dissemination, Insect pests, Logs, Parasitism, Saline water.

18085-68

NATURAL ACQUISITION COMPARED WITH MECHANICAL INOCULATION OF SIX-SPOTTED LEAFHOPPERS FOR TRANSMISSION OF THE OAT BLUE DWARF VIRUS. (ABSTRACT).

E E Banttari R J Zeyen

Phytopathology 58(8):1042

Aug 1968 464.8 P56

Blue dwarf (oats), Cicadellidae, Injections, Insect vectors, Oats, Virus diseases (plants).

18086-68

CONTROL OF THE BIRCH LEAF MINOR WITH DISULFOTON.

H H Cheng E J LeRoux

Can Entomol 100(4):350-357 REF

Apr 1968 421 C16

Betula, Biochemistry, Chemical control (insects), Disulfoton, Dosage, Fenusa pusilla, Insecticide application, Insecticides, Leaves, Population.

8087-68

EFFECTS ON POPULATIONS OF CORN ROOT-WORMS OF ALDRIN RESIDUES IN SOIL FOUR YEARS AFTER APPLICATION.

H C Chiang R S Raros

J Econ Entornol 61(5):1204-1208

15 Oct 1968 421 J822

Aldrin, Biochemistry, Corn, Crop yields, Diabrotica longicornis, Diabrotica virgifera, Insecticide residues, Parathion, Population, Soils.

18088-68

BLACK VINE WEEVIL LARVAL DAMAGE TO CONCORD GRAPE ROOTS AT DIFFERENT POPULATION DENSITIES.

W W Cone

J Econ Entomol 61(5):1220-1224

15 Oct 1968 421 J822

Brachyrhinus sulcatus, Grapes, Insect cages, Insect eggs, Insect pests, Larvae, Plant injuries, Population Roots

18089-68

APHID VECTORS OF BARLEY YELLOW DWARF VIRUS IN BLACKLIGHT TRAPS IN EASTERN UNITED STATES.

B F Coon

J Econ Entomol 61(5):1279-1282

15 Oct 1968 421 J822

Aphididae, Insect flight, Insect vectors, Light traps, Macrosiphum avenae, Rhopalosiphum maidis, Rhopalosiphum padi, Schizaphis graminum, Tables (data), Virus diseases (plants), Yellow dwarf (barley).

18090-68

STUDIES ON A BIOLOGICAL AND A CHEMICAL METHOD OF CONTROLLING THE DARK RICE FIELD MOSQUITO IN LOUISIANA.

CROP PRODUCTION

18091-68

B R Craven C D Steelman

J Leon L.momol 61(5) 1333-1336 RLF

15 Oct 1968 421 J822

Biochemistry, Biological control (insects), Gambusia affinis, Insect pests, Insecticides, Population, Psorophora confinnis, Rice, Tables (data).

FURTHER EVALUATION OF ACARICIDES FOR BROWN WHEAT MITE CONTROL ON WINTER WHEAT IN KANSAS, 1963-65.

J Lcon Entomol 61(5) 1171-1174

15 Oct 1968 421 J822

Acarieides, Biochemistry, Chemical control (insects), Crop yields, Pesticide application, Petrobia latens, Population, Research, Seedlings, Spraying, Tables (data), Wheat.

18092-68

CEREAL LEAF MINER IN THE SOUTH-EAST REGION.

C M G Duthoit

Plant Pathol 17(2):61-63

Jun 1968 464.8 P692

Agromyzidae, Parasitic insects, Plant injuries, Research, Surveys.

RESIDUES OF DIAZINON IN CARROTS AFTER TREATMENT AGAINST CYCLODIENE-RE-SISTANT CARROT RUST FLY.

D G Finlayson I H Williams H G Fulton J Econ Entomol 61(5):1174-1176 REF

15 Oct 1968 421 J822

Assay, Carrots, Chemical control (insects), Cyclodiene, Diazinon, Dosage, Insecticide applica-tion, Insecticide residues, Plant hardiness, Psila

18094-68

EFFECTS OF EARLY-, MID-, AND LATE-SEASON INFESTATIONS OF TWO-SPOTTED SPIDER MITES ON THE YIELD OF COTTON.

R E Furr T R Perimmer

J Econ Entomol 61(5):1446-1447

15 Oct 1968 421 J822

Cotton, Crop yields, Insect control, Insect pests, Leaves, Plant injuries, Temperature, Tetranychus, Weather.

18095-68

TESTS WITH INSECTICIDES FOR THE CON-TROL OF RESISTANT MYZUS PERSICAE (SULZER) ON YEAR-ROUND (SULZER) YEAR-ROUND CHRYSANTHEMUMS.

H J Gould

Plant Pathol 17(2):88-94

Jun 1968 464.8 P692

Carbamates, Chemicals, Chrysanthemum, Insecticides, Myzus persicae, Organic compounds, Pesticides, Phosphorus, Research, Spraying, Toxicolo-

18096-68

A BIOASSAY TECHNIQUE FOR SCREENING FEEDING STIMULANTS FOR LARVAE OF TOBACCO BUDWORM.

A A Guerra T N Shaver

J Econ Entomol 61(5):1398-1399

15 Oct 1968 421 J822

Attractants, Biological assay, Corn, Cotton, Feeding, Heliothis virescens, Insect pests, Larvae, Plant extracts, Research, Water.

SURVIVAL OF RHOPALOSIPHUM PADI IN STORED GRAIN DURING COLD WEATHER.

A M Harper P E Blakeley

J Econ Entomol 61(5).1455

15 Oct 1968 421 J822

Cold, Grain, Research, Rhopalosiphum padi, Storage, Temperature, Weather.

THE USE OF MENAZON SEED DRESSING TO DECREASE SPREAD OF VIRUS YELLOWS IN SUGAR-BEET ROOT CROPS.

G D Heathcote

Ann Appl Biol 62(1) 113-118

Aug 1968 442.8 AN72

Aphididae, Insect vectors, Insecticides, Menazon, Roots, Seed treatment, Sugar beets, Virus diseases (plants), Yellows (sugar beets).

LACK OF CYTOPLASMIC INHERITANCE OF ALFALFA RESISTANCE TO THE SPOTTED ALFALFA APIIID.

S D Kindler R Staples

J Econ Entomol 61(5).1455-1456

15 Oct 1968 421 J822

Alfalfa, Breeding, Cytoplasm, Immunity, Insect pests, Plant genetics, Plant hardiness, Research, Therioaphis maculata.

OVIPOSITION PREFERENCES OF WESTERN CORN ROOTWORMS FOR VARIOUS SOIL SURFACE CONDITIONS.

V M Kirk C O Calkins F J Post

J Econ Entomol 61(5):1322-1324

15 Oct 1968 421 J822

Diabrotica virgifera, Experimental insects, Insect pests, Ovulation, Plant injuries, Research, Soils.

STUDIES OF THE INSECT COMPLEX AF-FECTING SEED PRODUCTION OF PONDEROSA PINE IN CALIFORNIA.

T W Koerber

Diss Abstr Sect B 29(1):229B

Jul 1968 Z5055.U49D53

Insect control, Insect pests, Pinus ponderosa, Research, Seedlings, Tree injuries.

18102-68

ISOLATION AND ELECTRON MICROSCOPY OF POTATO LEAFROLL VIRUS FROM PLANTS.

M Kojima E Shikata M Sugawara D Murayama Virology 35(4):612-615 REF

Aug 1968 448.8 V81

Electron microscopes, Insect vectors, Leaf roll (potatoes), Myzus persicae, Potatoes, Virus diseases (plants).

INTRODUCTION TO BACILLUS THURINGIEN-SIS AND ITS USES. (GE)

A Krieg

Berlin Biol Bundesanst Land-forstwirtsch Mitt 125,87P REF

Nov 1967 410.9 G31M

Bacillus anthracis, Bacillus cereus, Bacillus thuringionsis, Biochemistry, Morphology, Pest control, Taxonomy.

18104-68

RESISTANCE IN BERMUDAGRASS TO THE FALL ARMYWORM.

D B Leuck C M Taliaferro G W Burton R L Burton M C Bowman

J Econ Entomol 61(5):1321-1322

15 Oct 1968 421 J822

Benzoxazolinone, Cynodon dactylon, Insect pests, Larvae, Plant extracts, Plant hardiness, Spodoptera frugiperda

18105-68

INSECT PESTS OF NIGERIAN CROPS.

Wis Agr Exp Sta Bull 269,69P.

Feb 1968 100 W75 (1) Crop yields, Insect pests, Plant protection.

IMPROVED TECHNIQUE TO CONTROL SHOT HOLE BORERS AND BARK BEETLES.

R A Malik

Plant Protect Bull 18(1):29-30

1966 421 P69

Insect control, Insect pests, Plant protection, Preventive medicine, Scolytidae, Scolytus rugulosus, Trees.

18107-68

REINFESTATION OF FOREST SITES BY THE TEXAS LEAF-CUTTING ANT.

W F Mann

J Econ Entomol 61(5).1460-1461

15 Oct 1968 421 J822

Atta texana, Biochemistry, Chemical control (insects), Forests, Fumigation, Insect pests, Methyl bromide, Research, Tree injuries.

18108-68

OCCURRENCE OF FIBER CONTAINING FLUORESCENT SPOTS ASSOCIATED WITH ASPERGILLUS FLAVUS BOLL ROT IN THE U. S. COTTON CROP OF 1967.

P B Marsh M E Simpson

Plant Dis Rep 52(9):671-674

Sep 1968 1.9 P69P

Aspergillus flavus, Cotton, Geography, Insect dissemination, Research, Surveys.

18109-68

ATTEMPTS AT COMBATTING OYSTERSHELL SCALE, LEPIDOSAPHES ULMI APPLETREES IN ORCHARDS OF QUEBEC. (FR)

B Parent D Pitre

Phytoprotection 49(1):26-37 REF

Feb 1968 464.8 P566

Apples, Ethion, Insecticides, Lepidosaphes ulmi, Oils, Plant injuries, Plant protection, Trees. English summary

LOSS OF PHORATE FROM A GRANULAR FORMULATION APPLIED IN THE SOIL.

R S Patterson W A Rawlins Fla Entornol 51(3):143-150

Sep 1968 420 F662

Humidity, Insecticide residues, Phorate, Plant translocation, Plants, Research, Soils, Toxicology, Weather.

WESTERN CORN ROOTWORM EGG DISTRIBUTION AND ADULT EMERGENCE UNDER TWO CORN TILLAGE SYSTEMS. K P Pruess G T Weekman B R Somerhalder

J Econ Entomol 61(5):1424-1427

15 Oct 1968 421 J822 Corn, Diabrotica virgifera, Insect dissemination, Insect eggs, Planting, Seedlings, Soils, Tillage, Zoogeography.

18112-68

THE TOLERANCE OF IMPORTED COMMODI-TIES TO FUMICATION WITH METHYL BRO-MIDE.

H Roth H H Richardson

J Econ Entomol 61(5):1435-1437

15 Oct 1968 421 j822

Biochemistry, Broadbeans, Chemical control (insects), Dosage, Foreign trade, Fumigation, Insecticides, Methyl bromide, Muskmelons, Research, Temperature, Tribolium confusum.

STUDIES ON HYDROGEN PHOSPHIDE AGAINST THE RED FLOUR BEETLE IN A ON HYDROGEN PHOSPHIDE COLUMN OF PADDY.

G Rout S C Parida

J Econ Entomol 61(5):1145-1147

15 Oct 1968 421 J822

Aluminum, Biochemistry, Cotton, Dosage, Fumigants, Insect pests, Phosphine, Rice, Tables (data), Tribolium castaneum.

18114-68

A MEDIUM FOR LABORATORY REARING OF THE PEACH TREE AND LESSER PEACH TREE BORERS.

W.G. Russell

J Econ Entomol 61(5):1450-1451

15 Oct 1968 421 J822

Experimental insects, Feeding, Insect pests, Insect rearing, Larvae, Plant injuries, Sanninoidea exitiosa, Synanthedon pictipes.

18115-68

CONTROL OF MUSTARD APHID (LIPAPHIS ERYSIMI KALT.) BY SYSTEMIC INSECTI-CIDES.

M L Saini K S Chhabra

Plant Protect Bull 18(2):4-8

1966 421 P69

Aphididae, Brassica, Crop yields, Insecticides, Lipaphis erysimi, Plant protection.

A NEW MOSAIC DISEASE OF BRINJAL (SOLANUM MELONGENA L.).

M L Seth S P Raychaudhuri R Nath

Phytopathol Z 59(4):385-389 REF

Aug 1967 464.8 P562

Aphis craecivora, Aphis gossypii, Eggplant, Insect vectors, Mosaic (eggplant), Myzus persicae, Virus diseases (plants). German summary

18117-68

INTRODUCING AND ESTABLISHING THE NONINCLUSION VIRUS OF THE CITRUS RED MITE IN CITRUS GROVES.

J G Shaw D L Chambers H Tashiro

J Econ Entomol 61(5):1352-1355

15 Oct 1968 421 J822

Citrus, Epizootic diseases, Experimental insects, Greenhouse culture, Insect diseases, Insect rearing, Panonychus citri, Spraying, Viruses, Zoogeography.

18118-68

ATTACK OF THE BLACK TURPENTINE BEE-TLE ON ROOTS OF SLASH PINES.

R H Smith R J Kowal

J Econ Entomol 61(5):1430-1432

15 Oct 1968 421 1822

Dendroctonus terebrans, Insect control, Insect pests, Mortality, Pinus elliottii, Research, Roots, Tree injuries.

18119-68

PECULIARITIES OF DEVELOPMENT AND HARMFUL ACTIVITY OF THE HESSIAN FLY (MAYETIOLA DESTRUCTOR SAY.) UNDER CONDITIONS OF IRRIGATION. (RUS.)

P I Susidko

Zool Zhur 46(12):1810-1814

Dec 1967 410 R92

Insect pests, Mayetiola destructor, Plant pest control, Wheat.

Abstract

18120-68

ROLE OF HOST PLANT IN PRODUCTION OF WINGED FORMS BY A GREEN STRAIN OF PEA APHID ACYRTHOSIPHON PISUM.

O R W Sutherland

Nature 216(5113):387-388

28 Oct 1967 472 N21

Acyrthosiphon pisum, Aphididac, Breeding, Broadbeans, Experimental insects, Insect rearing, Research, Seedlings, Wings (insects).

18121-68

ANTHOCORIS MELANOCERUS AS A PREDA-TOR OF THE GREEN PEACH APHID ON SUGAR BEETS AND BROCCOLI.

G Tamaki R E Weeks

Entomol Soc Amer Ann 61(3):579-584

May 1968 420 EN82

Anthocoris melanocerus, Broccoli, Insect control, Laboratories, Mortality, Myzus persicae, Ovipositors, Population statistics, Predaceous insects, Sugar beets.

18122-68

EGG DISTRIBUTION AS A FACTOR IN SUP-PRESSING THE GREEN PEACH APHID BY PRUNING.

G Tamaki D M Powell

J Econ Entomol 61(5):1437-1439

15 Oct 1968 421 J822

Insect control, Insect eggs, Insect pests, Myzus persicae, Population, Pruning, Research, Zoogeography

CHEMICAL CONTROL OF THE SUNFLOWER MOTIL ON SUNFLOWERS.

G.L. Teetes N.M. Randolf

J Econ Entomol 61(5):1344-1347

15 Oct 1968 421 J822

Biochemistry, Chemical control (insects), Chemicals, Homoeosoma electellum, Insecticide application, Insecticides, Larvae, Sunflowers,

18124-68

CONSTITUENTS OF THE COTTON BUD. XIII. FURTHER STUDIES ON A NONPOLAR FEED-ING STIMULANT FOR THE BOLL WEEVIL.

C Temple E C Roberts J Frye R F Struck Y F Shealy A C Thompson J P Minyard P A Hedin

J Econ Entomol 61(5):1388-1393 REF 15 Oct 1968 421 J822

Anthonomus grandis, Chromatography, Cotton, Feeding, Lipids, Pheophytins, Plant budding, Plant extracts, Research.

18125-68

RESISTANCE OF SOUTHERN PEAS TO THE COWPEA CURCULIO.

J W Todd T D Canerday

J Econ Entomol 61(5):1327-1329

15 Oct 1968 421 J822

Breeding, Chalcodermus aeneus, Economic plants, Insect pests, Peas, Plant hardiness, Plant injuries.

18126-68

WITH PESTS IN THE LUGGAGE. (SW.)

B Tunblad

Swed Stat Vaxtskyddsanst Vaxtskyddsnotiser 31(5-6):91

1967 464.9 SW3V

Diaspis echinocacti, Opuntia.

18127-68

MORTALITY STAGING OF DOMINANT LETHALS INDUCED IN THE FI GENERATION SUGARCANE BORER; DIATRAEA SACCHARALIS (F.).

D W Walker V Quintana-Muniz

Radiat Res 36(1):138-143

Oct 1968 334.8 R11

Diatraea saccharalis, Embryology, Irradiation, Mortality, Sugarcane.

CONTROL OF THE ELM LEAF BEETLE IN ARIZONA.

G P Wene J N Roney S Stedman

J Econ Entomol 61(5):1180-1182

15 Oct 1968 421 J822

Bidrin, Biochemistry, Chemical control (inscets), Dosage, Foliar application, Injections, Insect pests, Insecticides, Oxydemetonmethyl, Pyrrhalta luteola, Tree injuries, Ulmus.

18129-68

COLUMBIAN TIMBER BEETLE. CORTHYLUS COLUMBIANUS (COLEOPTERA: SCOLYTIDAE), VIII. ARTIFACTS AND CHARACTERISTICS OF THE HOST TREE.

W B White R L Gicse

J Econ Entomol 61(5):1400-1406 REF

15 Oct 1968 421 J822

Acer rubrum, Acer saccharinum, Corthylus columbianus, Insect behavior, Insect outbreaks, Insect pests, Plant physiology, Population, Research, Statistical analysis.

18130-68

PHYSIOLOGIC RACE CHANGES IN BARLEY MILDEW 1964-67.

M S Wolfe

Plant Pathol 17(2):82-87

Jun 1968 464.8 P692

Erysiphe graminis, Mildew (barley), Physiology, Plant diseases, Research, Sampling (statistics), Sur-

NEMATODES

18131-68

EFFECT OF TEMPERATURE AND VARIETY ON NEMATODE DEVELOPMENT AND GALL PRODUCTION ON SOYBEANS INFECTED WITH MELOIDOGYNE INCOGNITA ACRITA. (ABSTRACT).

W E Bryant Γ D Wyllie

Phytopathology 58(8):1045

Aug 1968 464.8 P56

Meloidogyne incognita, Morphology, Nematodes, Plant galls, Soybeans, Temperature.

THE INCREASED ATTACK OF DITYLENCHUS DIPSACI ON ONION CAUSED BY SOME FUN-GICIDES.

M W Brzeski W Macias

Nematologica 13(2):322

1967 436.8 N342

Ditylenchus dipsaci, Fungicides, Onions, Plant nematodes

18133-68

ATTEMPTED CULTIVATION OF NEMATODE CELLS. (ABSTRACT).

T Chen H Hirumi K Maramorosch

Phytopathology 58(8):1046-1047

Aug 1968 464.8 P56

Alfalfa, Cells, Nematodes, Plant protection, Pratylenchus penetrans.

INTERACTIONS OF APHELENCHUS AVENAE AND SOME NEMATODETRAPPING FUNGI IN DUAL CULTURE.

R C Cooke D Pramer

Phytopathology 58(5):659-661

May 1968 464.8 P56

Aphelenchus avenae, Balance of nature, Competition, Culture media, Fungi, Nematode-trapping fungi, Nematodes.

18135-68

THE BARLEY ROOT-KNOT NEMATODE IN IL-LINOIS.

A M Golden D P Taylor

Plant Dis Rep 51(11):974-975

Nov 1967 1.9 P69P Agrostis palustris, Barley, Poa pratensis, Taxonomy, Zoogeography.

18136-68

THE EFFECT OF ULTRA-VIOLET RADIATION ON THE INVASION, SURVIVAL AND FERTILITY OF LARVAE OF HETERODERA ROSTOCHIENSIS.

C D Green S Plumb

Nematologica 13(2):186-190

1967 436.8 N342

Heterodera rostochiensis, Heterodera schactii, Larvae, Physiology, Potatoes, Ultraviolet rays. English and german abstract

18137-68

CHEMICAL CONTROL OF THE STEM NE-MATODE DITYLENCHUS DIPSACI.

G D Griffin

Plant Dis Rep 51(11):973-974

Nov 1967 1.9 P69P

Alfalfa, Captan, Ditylenchus dipsaci, Nematocides, Seed treatment, Soil sterilization.

18138-68

QUANTITATIVE CHANGES IN ORGANIC ACIDS IN ROOTS AND LEAVES FROM GRAPEFRUIT SEEDLINGS INFECTED WITH RHADOPHOLUS SIMILIS.

R W Hanks A W Feldman

Phytopathology 58(5):706-707

May 1968 464.8 P56

Carboxylic acids, Citrus, Grapefruit, Leaves, Nematodes, Radopholus similis, Roots, Seedlings.

CONTROL OF ENDO- AND ECTO-PARASITIC NEMATODES IN TURF BY HOT-WATER TREATMENTS.

CROP PRODUCTION

18140-68

C M Heald H D Wells

Plant Dis Rep 51(11).905-907

Nov 1967 1 9 P69P

Criconemoides, Hot water treatment (plants), Hypsoperine, Nematodes, Parasitism, Plant hardiness, Trichodorus, Tylenchorhynchus.

18140-68

THE YIELD OF POTATOES RESISTANT TO HETERODERA ROSTOCHIENSIS ON INFESTED LAND.

F G W Jones D M Parrott T D Williams

Nematologica 13(2):301-310 REF

1967 436.8 N342

Crop yields, Heterodera rostochiensis, Plant disease resistance, Plant nematodes, Potatoes. English and german abstract

Abstract

18141-68

STUDIES OF THE SUITABILITY OF CERTAIN HELIOTHIS SPP. AS A HOST FOR CARDIOCHILES NIGRICEPS VIERICK.

W J Lewis

Diss Abstr Sect B 29(2):646B Aug 1968 Z5055.U49D53

Aug 1968 Z5055.U49D53
Cardiochiles nigricens He

Cardiochiles nigriceps, Heliothis, Parasitism, Research.

18142-68

ELECTRON MICROSCOPE STUDIES OF SOME CEPHALIC STRUCTURES OF XIPHINEMA AMERICANUM.

D Lopez-Abella F Jimenez-Millan F Garcia-Hidalgo

Nematolagica 13(2):283-286 REF

1967 436.8 N342

Anatomy, Electron microscopes, Hcad, Morphology, Plant nematodes, Xiphenema americanum. English and german abstract

Abstract

18143-68

INJURY TO HETERODERA TABACUM BY HIGH SOIL TEMPERATURES. (ABSTRACT).

P M Miller

Phytapathalagy 58(8):1060

Aug 1968 464.8 P56

Eggplant, Heterodera tabacum, Nematodes, Plant injuries, Soil temperature, Tomatoes.

18144-68

THE INFLUENCE OF AN ORGANIC SOIL AMENDMENT ON INFECTIVITY AND REPRODUCTION OF TYLENCHULUS SEMIPENETRANS ON TWO CITRUS ROOTSTOCKS.

J H O'Bannon

Phytapathalagy 58(5):597-601 REF

May 1968 464.8 P56

Citrus, Lemons, Nematodes, Oranges, Parasitism, Peat, Roots, Seedlings, Soils, Tylenchulus semipenetrans.

18145-68

THE HOST-PARASITE RELATIONS AND ECOLOGY OF TRICHODORUS VIRULIFERUS ON APPLE ROOTS, AS OBSERVED FROM AN UNDERGROUND LABORATORY.

R S Pitcher

Nematalogica 13(4):547-557 REF

1967 436.8 N342

Apples, Ecology, Plant injuries, Plant nematodes, Roots, Trichodorus viruliferus. English and german abstract

Abstract

18146-68

THE EFFECT OF AMINO ACID ANTIMETABOLITES ON FOUR NEMATODE SPECIES AND THEIR HOST PLANTS.

S K Prasad J M Webster

Nematalagica 13(2):318-320

1967 436.8 N342

Amino acids, Antimetabolites, Physiology, Plant nematodes, Soil microorganisms, Tomatoes.

18147-68

EFFECT OF VARIETY AND FUMIGATION ON NEMATODE POPULATIONS IN OATS, WILEAT, AND RYE.

D T Sechler W B Tappan H H Luke Plant Dis Rep 51(11):915-919 REF

Nov 1967 1.9 P69P

Nematocides, Nematodes, Oats, Plant pest control, Rye, Soil fumigation, Wheat.

18148-68

THE RELATIONSHIPS BETWEEN POPULA-TION INCREASE AND POPULATION DENSITY IN PLANT PARASITIC NEMATODES.

J W Seinhorst

Nematologica 13(4):481-492 REF

1967 436.8 N342

Ecology, Plant injuries, Plant nematodes, Population. English and german abstract

Abstract

18149-6

THE AD WORMS IN THE RHIZOSPHERE OF THE NORMAL COTTON AND OF THAT INFECTED WITH THE VERTICILLOUS COTTON WILT. (RUS)

I M Sudakova A V Stoyakov R V Mikulina

Zool Zhur 46(12):1758-1763

Dcc 1967 410 R92

Cotton, Nematodes, Plant diseases, Plant ecology, Rhizosphere, Verticillium dahliae, Wilt (cotton).

Thread worms in the rhizosphere of non-wilt infected cotton are predominately of only two ceological groups, phytohelmiths and devysaprobiont.

18150-68

PARASITISM OF TYLENCHUS EMAR-GINATUS ON CONIFER SEEDLING ROOTS AND SOME OBSERVATIONS ON THE BIOLO-GY OF THE NEMATODE.

J R Sutherland

Nematolagica 13(2):191-196

1967 436.8 N342

Coniferae, Plant nematodes, Roots, Scedlings, Tylenchus emarginatus. English and french abstract

Abstract

18151-68

EVALUATION OF SOME TAXONOMIC INDICES IN THE POTATO ROT NEMATODE DITYLENCHUS DESTRUCTOR THORNE, 1945. (RUS)

T N Teploukhova

Zool Zhur 47(1):42-48 REF

Jan 1968 410 R92

Ditylenchus destructor, Ditylenchus dipsaci, Plant nematodes, Statistical analysis, Taxonomy. English abstract

Abstract

18152-68

GAMMA IRRADIATION OF HETERODERA SCHACHTII.

J L Townshend

Nematologica 13(4):586-592 REF

1967 436.8 N342

Gamma rays, Heterodera schachtii, Physiology, Plant nematodes, Soil microorganisms. English and german abstract

Abstract

18153-6

PLANT-PARASITIC NEMATODES IN GRAPE AND RASPBERRY SOILS OF ONTARIO AND A COMPARISON OF EXTRACTION TECHNIQUES.

T L Townshend

Can Plant Dis Surv 47(3):83-86 REF

Sep 1967 464.9 C16S

Grapes, Parasitism, Plant nematodes, Pratylenchus penetrans, Raspberries, Soil microorganisms, Xiphinema americanum.

Abstract: Of 8 species, only P. penetrans was harmful to raspberries.

18154-68

THE EFFECT OF ENVIRONMENT ON SEX DETERMINATION IN HETERODERA ROSTOCHIENSIS.

D L Trudgill

Nematologica 13(2):263-272

1967 436.8 N342

Heterodera rostochiensis, Larvae, Physiology, Plant nematodes, Potatoes, Sex determination. English and german abstract

Abstract

18155-68

THE INFLUENCE OF PLANT-GROWTH SUBSTANCES AND THEIR INHIBITORS ON THE HOST-PARASITE RELATIONSHIPS OF APHELENCHOIDES RITZEMABOSI IN CULTURE.

J M Webster

Nematalagica 13(2):256-262 REF

1967 436.8 N342

Alfalfa, Aphelenchoides ritzema-bosi, Biochemistry, Plant growth inhibitors, Plant nematodes, Plant physiology. English and german abstract

Abstract

18156-68

FACTORS INFLUENCING THE POPULATION FLUCTUATION OF PRATYLENCHUS PENETRANS IN SOIL. III. HOST PLANT SPECIES.

K Wong J M Ferris

Phytapathology 58(5):662-665 REF

May 1968 464.8 P56

Nematodes, Onions, Population statistics, Potatoes, Pratylenchus penetrans, Roots, Soils.

WEEDS

18157-68

PREPLANTING TREATMENTS FOR WEED CONTROL IN CONNECTICUT SHADEGROWN TOBACCO.

J F Ahrens

Northeast Weed Contr Conf Proc 22:41

Jan 1968 79.9 N814

Benefin, Crop yields, Plant injuries, Spraying, Tobacco, Transplanting, Trifluralin, Weed control.

8158-68

EVALUATION OF WEED CONTROL TREATMENTS IN FIELD-GROWN TOBACCO.

W E Chappell

Northeast Weed Cantr Conf Proc 22:41

Jan 1968 79.9 N8!4

Chemical control (weeds), Herbicides, Plant injuries, Soils, Spraying equipment, Tobacco, Weed control. Weeds.

18159-68

WEEDS IN AGRONOMIC CROPS. FIELD CORN, SOYBEANS.

R H Cole

Nartheast Weed Cantr Conf Proc 22:28-36 Jan 1968 79.9 N814

Chemical control (weeds), Corn, Crop yields, Fertilization (plants), Field crops, Herbicides, Plant injuries, Soybeans, Weeds.

18160-68

THE GROWTH, DEVELOPMENT AND CONTROL OF COMMON RAGWEED.

C T Dickerson R D Sweet

Northeast Weed Contr Conf Proc 22:48

Jan 1968 79.9 N814

Ambrosia artemisifolia, Greenhouses, Growth factors, Photoperiodism, Research, Temperature, Weed control.

18161-68

LIGHT QUALITY EFFECTS ON GROWTH AND DEVELOPMENT RAGWEED.

S Dunn F S Adams A S Thomas E L Stevenson Northeast Weed Contr Conf Proc 22:47

Jan 1968 79.9 N814

Ambrosia artemisifolia, Growth factors, Light, Research, Seedlings.

GROWTH, DEVELOPMENT AND CONTROL OF WILD RADISH.

R L Feulner E M Rahn

Northeast Weed Contr Conf Proc 22:48

Jan 1968 79.9 N814

Growth factors, Herbicides, Photoperiodism, Raphanus raphanistrum, Temperature, Weed control.

18163-68

ON THE DISPERSAL OF THE BULBS OF OX-CERNUA THUNB. BY MOLE-RATS (SPALAX EHRENBERGI NEHRING).

J Galil

J Ecol 4(2):787-792

Nov 1967 450 J829

Bulbs, Oxalis cernua, Plant dissemination, Rodents, Spalax ehrenbergi, Weeds.

Abstract: Bulbs are dispersed by mole-rats, whose neglected caches later sprout. However caches in nest chambers are usually tended by the female mole-rats, which repeatedly bite off the young shoots, thus hindering development of the bulbs.

18164-68

ORNAMENTALS.

C Haramaki

Northeast Weed Contr Conf Proc 22:22-27

Jan 1968 79.9 N814

Chemical control (weeds), Herbicides, Nurseries, Ornamental plants, Plant injuries, Plant physiology, Soils, Transplanting, Weeds.

18165-68

FENCEROW WEED CONTROL MADE EASY.

E. L. Knake

Down Earth 23(4):2,32 SPRING

1968 381 D75

Biochemistry, Chemical control (weeds), Crops, D, 2,4-, Herbicides, Soils, Spraying, Weed control.

18166-68

EXTERMINATION OF EICHHORNIA AZUREA KUNTH, AGUAPE DE CORDAO, ON THE RIBEIRA RIVER BY MEANS OF HERBICIDE APPLICATIONS. (POR)

L Leiderman P Figueiredo Biologico 33(6):121-125

Jun 1967 442.8 B529

Amitrole, D. 2,4-, Eichhornia, Herbicides, Paraquat, Weed control.

18167-68

FORAGE CROPS, SMALL GRAINS.

D L Linscott

Northeast Weed Contr Conf Proc 22(0):37-40

Jan 1968 79.9 N814

Crops, Herbicides, Legumes, Seedlings, Spraying, Weed control.

18168-68

VEGETABLE CROPS III. CUCUMBER WATERMELONS, CANTALOUPES, SQUASH. CUCUMBERS,

E M Rahn

Northeast Weed Contr Conf Proc 22:9-11

Jan 1968 79.9 N814

Cantaloupes, Chemicals, Cucumbers, Greenhouses, Squash, Vegetables, Watermelons, Weed control, Weeds.

18169-68

CHEMICAL CONTROL OF NUTSEDGE (CYPERUS ROTUNDUS L.) AND THE METABOLISM OF 3,6-DICHLORO-O-ANISIC NUTSEDGE ACID (DICAMBA).

BR Ray

Diss Abstr Sect B 29(1):20B

Jul 1968 Z5055.U49D53

Biochemistry, Chemical control (weeds), Chemicals, Chromatography, Cyperus rotundus, Dicamba, Herbicides, Metabolites, Plant metabolism.

18170-68

AQUATIC WEEDS.

D N Riemer

Northeast Weed Contr Conf Proc 22:44-45

Jan 1968 79.9 N814

Aquatic weeds, Herbicides, Research, Weed con-

18171-68

TOBACCO.

O E Rud

Northeast Weed Contr Conf Proc 22:41

Jan 1968 79.9 N814

Field crops, Tobacco, Weed control, Weeds.

18172-68

FORESTRY.

R D Shipman

Northeast Weed Contr Conf Proc 22:42

Jan 1968 79.9 N814

Abies balsamea, Forestry, Herbicides, Weed con-

18173-68

VEGETABLE CROPS. IV. BEANS, SWEET CORN, TOMATOES, RHUBARB.

R D Sweet

Northeast Weed Contr Conf Proc 22:12-15

Jan 1968 79.9 N814

Beans, Chemical control (weeds), Corn, Herbicides, Rhubarb, Tomatoes, Weed control.

18174-68

HERBACEOUS ANNUAL AND PERENNIAL WEEDS.

J Vengris

Northeast Weed Contr Conf Proc 22:48

Jan 1968 79.9 N814

Ambrosia artemisifolia, Growth factors, Herbicides, Perennial plants, Portulaca oleracea, Raphanus raphanistrum, Weeds.

OTHER PESTS

18175-68

ALBERTA, 255,000 SQUARE MILES, FREE OF RATS.

Anonymous

Pest Contr 36(8):16

Aug 1968 449.8 EX8

Baits, Feed, Pest control, Public health, Rats, Waste disposal.

FUMIGATION-AN EFFECTIVE METHOD OF RAT CONTROL IN KUTTANAD IN ALLEPPEY DISTRICT (KERALA).

S A Ebrahim

Plant Protect Bull 18(1):31-32

1966 421 P69

Fumigation, Pest control, Rats, Rice.

ORGANISATION OF ANTI-RAT CAMPAIGNS.

S Singh

Plant Protect Bull 18(4):1-13

1968 421 P69

Crop yields, Dusting equipment, Environment, Organizations, Pest control, Population statistics, Rats, Research, Rodenticides.

Y Tiffon

HYPERGLYCEAMIA INDUCED BY 5-HYDROXYTRYPTAMIN IN ACHATINA FU-LICA (GASTROPOD MOLLUSCA). (FR)

Paris Soc Biol Compt Rend 161(7):1547-1548

31 Jan 1968 442.9 P21

Achatina fulica, Amines, Biochemistry, Hyperglycemia, Physiology, Snails.

LIVESTOCK PROTECTION

18179-68

EFFECTS OF HIGH GOSSYPOL COTTONSEED MEAL ON THE ELECTROCARDIOGRAM OF SWINE.

J E Albrecht A J Clawson L C Ulberg D H Smith J Anim Sci 27(4):976-980 REF

Jul 1968 49 J82

Cottonsced meal, Electrocardiograms, Feeding, Gossypol, Swine.

18180-68

DISTRIBUTION OF MERCURY COMPOUNDS IN FISH AND BIRDS.

J Backstrom Oikos (SUP.9):30

1967 410 Ol4

Absorption (biological), Agriculture, Antiseptics, Autoradiography, Birds, Feeding, Fish, Industry, Injections, Mercury compounds, Research.

18181-68

CORRECTION: HEMOPHILIA-LIKE DISEASE OF SWINE: CYTOGENETIC STUDIES.

R C Brown K W Cole C N Cornell K M Brinkhous

Amer J Vet Res 29(9):1732

Sep 1968 41.8 AM3A

Cytogenetics, Hemophilia, Swine.

I8182-68

EFFECTS OF UREASE INHIBITORS ON SHEEP FED DIETS CONTAINING UREA.

A J Clifford J R Bourdette A D Tillman J Anim Sci 27(4):1073-1080 REF

Jul 1968 49 J82 Chemurgy, Feeding, Research, Sheep, Urea,

Urease.

INFLUENCE OF NITRITE AND HYDROXYLAMINE ON PERFORMANCE AND VITAMIN A AND CAROTENE METABOLISM OF RUMI-

G N Cunningham M B Wise E R Barrick J Anim Sci 27(4):1067-1072 REF

Jul 1968 49 J82

Animal metabolism, Hydroxylamine, Methemoglobin, Nitrites, Rumen, Ruminants, Vitamin a.

18184-68

MYCOTIC ABORTION IN EWES PRODUCED BY ASPERGILLUS FUMIGATUS: PATHOLOG-IC CHANGES.

S J Cysewski A C Pier

Amer J Vet Res 29(6):1135-1151 REF

Jun 1968 41.8 AM3A Abortion, Animal diseases, Animal morphology, Aspergillus fumigatus, Histopathology, Injections, Mycology, Sheep, Tissues.

18185-68

INFLUENCE OF DIETARY VITAMIN A ON CHOLESTEROL **METABOLISM**

CHICKENS. P M Dua

Diss Abstr Sect B 28(8):3117B

Feb 1968 Z5055.U49D53

Animal metabolism, Blood scrum, Carotenoids, Chickens, Cholesterol, Diet, Eggs, Liver, Retinoic acid, Thiouracil, Vitamin a.

OLIGOSACCHARIDASES MACRACANTHORHYNCHUS HIRUDINACEUS (ACANTHOCEPHALA) FROM SWINE.

T T Dunagan T M Yau

Compar Biochem Physiol 26(1):281

Jul 1968 444.8 C73 Chemicals, Extracts, Macracanthorhynchus hiru-

dinaceus, Oligosaccharides, Research, Swine.

TREATMENT FOR POISONING BY SLUG BAIT.

UVESTOCK PROTECTION

18188-68

J D Hawkins

Vet Rec 83(10).258 07 Sep 1968 41 8 V641

Baits, Dogs, Mortality, Poisoning, Research, Slugs, foxicology

OXALATE METABOLISM IN SHEEP AND ITS EFFECT ON THE ANION-CATION BALANCE.

1. F James

Diss Abstr Sect B 28(8).3118B

Feb 1968 Z5055.U49D53

Alkalosis, Animal metabolism, Carbonates, Hydrogen-ion concentration, Ions, Nitrogen, Oxalates, Rumen.

18189-68

LEVELS OF 5 BETA-PREGNAN-3 ALPHA, 6 ALPHA-DIOL-20-ONE IN URINE AND ITS RELATIONSHIP TO OTHER METABOLITES OF PROGESTRONE IN URINE OF THE NON-PREGNANT DOMESTIC SOW.

P H Jones R E Erb

J Anim Sci 27(4).1054-1058 REF

Jul 1968 49 J82

Blood plasma, Chromatography, Extracts, Glucuronidase, Metabolites, Progesterone, Swine, Urine.

COMPARISON OF METABOLITES OF PROGESTERONE-4-14C IN URINE FROM A NONPREGNANT DOMESTIC SOW.

P H Jones R E Erb

J Anim Sci 27(4):1049-1053 REF

Jul 1968 49 J82

Chromatography, Extracts. Glucuronidase. Hydrolysis, Metabolites, Progesterone Radioactivity, Swine.

OF AFLATOXIN ON EFFECT PROTEIN FRACTIONS OF DAY-OLD DUCK-LINGS.

1 Nemeth S Juhasz

Acta Vet (budapest) 18(1):95-105

1968 41.8 AC83

Aflatoxin, Blood proteins, Ducklings, Electrophoresis, Gamma globulins, Immunology.

RESPONSE OF BEEF COWS TO EXOGENOUS PROGESTERONE AND ESTRADIOL AT VARI-OUS STAGES POSTPARTUM.

S Saiduddin M M Quevedo W D Foote

J Anim Sci 27(4):1015-1020

Jul 1968 49 J82

Estradiol, Cattle. Injections, Ovulation, Progesterone, Research.

18193-68

EFFECT OF ORGANO-PHOSPHORUS INSECTICIDES ON THE WARM BLOODED ANIMALS AND CURE THEREOF.

H Singh

Plant Protect Bull 18(4):27-35 REF

1966 421 P69

Biology, Diagnosis, Insecticides, Lethal factors, Mammals, Metabolism, Phosphorus, Research, Toxicology.

18194-68

THE EFFECT OF INTRAMAMMARY INFEC-TION DURING THE DRY PERIOD ON THE MILK PRODUCTION OF THE AFFECTED QUARTER AT THE START OF THE SUCCEED-ING LACTATION

A Smith F H Dodd F K Neave

J Dairy Res 35(2):287-290 REF

Jun 1968 44.8 J823

Animal physiology, Dairy cattle, Lactation, Mammary glands, Milk, Parturition.

18195-68

AVIRULENT MUTANT OF A STRAIN OF OR-NITHOSIS AGENT OBTAINED BY GAMMA IR-RADIATION.

J Strauss J Sceman

Amer J Vet Res 29(9):1837-1842 REF

Scp 1968 41.8 AM3A

Culture media, Gamma rays, Immunization, Injections, Irradiation, Lethal factors, Lyophilization, Mice, Ornithosis, Research.

THE EFFECT OF EXPOSURE TO DIELDRIN ON AVOIDANCE RESPONSE EXTINCTION AND CONDITIONED HEART RATE IN SHEEP.

D E Sussman

Diss Abstr Sect B 28(11):4786B

May 1968 Z5055.U49D53

Biochemistry, Chlorine, Dieldrin, Heart, Heart rate, Hydrocarbons, Pesticides, Sheep.

DETERMINATION OF CESIUM-137 AND RE-LATED SAMPLING PROBLEMS OF DAIRY CATTLE FEEDS, 1962-1967.

G M Ward J E Johnson D L Whelan

Ass Offic Anal Chem J 51(4):792-795 REF Jul 1968 381 AS7

Cesium, Crops, Dairy cattle, Feed, Pastures, Radioactivity, Sampling (statistics), Spectrometry.

MERCURY CONTENT IN FEATHERS OF SWEDISII BIRDS FROM THE PAST 100 YEARS.

T Westermark

Oikos (SUP.9):39-40

1967 410 O14

Absorption, Assay, Biochemistry, Birds, Feathers, Mercury compounds, Time, Viscera.

METHYL MERCURY COMPOUNDS IN FISH.

G Westoo

Oikos (SUP.9):11-12

1967 410 Ol4

Chromatography, Fish, Immunity, Mercury compounds, Methyl, Organic compounds.

DISEASES

18200-68

CYSTIC OVARIAN DISEASE IN DAIRY CAT-TLE: WITH SPECIAL REFERENCE TO ITS TREATMENT USING A COMBINATION OF CHORIONIC GONADOTROPHIN AND PROGESTERONE.

Vet Rec 83(10):231-238

07 Scp 1968 41.8 V641

Animal diseases, Dairy cattle, Injections, Ovarian cysts, Progesterone.

18201-68

FURTHER STUDIES ON THE USE OF ERA RA-BIES VACCINE IN DOMESTIC ANIMALS. M K Abelseth

Can Vet J 8(10):221-227

Oct 1967 41.8 R3224

Immunization, Livestock, Rabies virus, Research, Virus diseases (animals). French summary

EXPERIMENTAL TREATMENT OF SUBCLINI-CAL PORCINE CASE OF TOXOPLASMA WITH AND SULFAMONOMETHOXINE AND ITS INFLUENCE PYRIMETHAMINE UPON HEMAGGLUTINATING ANTIBODY. (JA

M Akita

Jup Vet Med Ass J 20(9):386-389

1967 41.9 J275

Animal diseases, Antibodies. Pyrimethamine, Sulfameter, Swine, Therapeutics, Toxoplasmosis.

BACTERIOLOGICAL STUDIES OF POULTRY LITTER FED TO LIVESTOCK.

D C Alexander J A J Carriere K A McKay Can Vet J 9(6):127-131 REF

Jun 1968 41.8 R3224

Bacteria, Bedding (livestock), Feeding, Livestock diseases, Poultry, Research. French summary

18204-68

A SURVEY TO DETERMINE THE SALMONEL-LA CONTAMINATION RATE IN LIVESTOCK AND POULTRY FEEDS.

J N Allred J W Walker V C Beal F W Germaine Amer Vet Med Ass J 151(12):1857-1860 REF 15 Dec 1967 41.8 AM3

Food contamination, Livestock, Salmonella, Salmonellosis.

Abstract

18205-68

DOES THE AGENT OF SCRAPIE REPLICATE WITHOUT NUCLEIC ACID.

T Alper W A Cramp D A Haig M C Clarke Nature 214(5090):764-766 REF

20 May 1967 472 N21

Animal diseases, Irradiation, Mice, Nervous system, Nucleic acids, Proteins, Reproduction, Scrapie, Ultraviolet rays.

18206-68

EXPERIMENTAL COLIBACILLOSIS AND THE DEVELOPMENT OF CARRIES IN LAYING HENS.

W B Ardrey C F Peterson M Haggart

Avian Dis 12(3):505

Aug 1968 41.8 AV5

Animal diseases, Chickens, Escherichia coli, Injections, Oviducts, Research, Tissues.

MICROFLORA ASSOCIATED WITH AGALAC-TIA SYNDROME OF SOWS.

C H Armstrong B E Hooper C E Martin Amer J Vet Res 29(7):1401-1407 REF

Jul 1968 41.8 AM3A

Agalactia, Animal diseases, Flora, Microbiology, Microorganisms, Research, Swine.

18208-68

SEMINAL VESICULITIS SYNDROME: LESIONS IN GENITAL ORGANS OF YOUNG BULLS.

L Ball S Young E J Carroll

Amer J Vet Res 29(6):1173-1184 REF

Jun 1968 41.8 AM3A

Abnormalities, Cells, Correlation, Epididymis, Epithelial tumors, Inflammation, Reproductive organs, Seminal vesicles,

18209-68

SALMONELLA TYPHISUIS INFECTION IN MINNESOTA SWINE.

D M Barnes M E Bergeland

Amer Vet Med Ass J 152(12):1766-1770 REF 15 Jun 1968 41.8 AM3

Autopsies, Epizootic diseases, Salmonella, Swine.

Abstract: Epizootics of Salmonella typhisuis infection in swine were investigated on 5 Minnesota premises. It seemed to be a primary pathogen and produced a progressive disease characterized clinically by emaciation, intermittent diarrhea, and on occasion by massive enlargement of the ventral cervical region.

ANAPLASMA MARGINALE-INFECTIVITY IN SPLENECTOMIZED AND RADIATED RAB-BITS.

L B Belli

Diss Abstr Sect B 29(2):696B-697B

Aug 1968 Z5055.U49D53

Anaplasmosis, Animal diseases, Irradiation, Rabbits, Spleen.

18211-68

MYCOPLASMA MELEAGRIDIS ('N' STRAIN MYCOPLASMA - PPLO); RELATIONSHIP OF AIR SAC LESIONS AND ISOLATIONS IN DAY OLD TURKEYS (MELEAGRIDIS GAL-

LOPAVO). C H Bigland M L Benson

Can Vet J 9(6):138-141 REF

Jun 1968 41.8 R3224

Air sacs, Animal breeding, Infectious diseases, Livestock diseases, Mycoplasma meleagridis, Turkeys. French summary

18212-68

NEMATODIASIS IN LOUISIANA DAIRY CAT-TLE, IMPACT OF HOST NUTRITION UPON EXPERIMENTAL OSTERTAGIASIS IN THE BOVINE.

F R Bilkovich

Diss Abstr Sect B 28(8):3119B

Feb 1968 Z5055.U49D53

Animal nutrition, Cattle, Cooperia, Haemonehus, Livestoek diseases, Nematodiasis, Ostertagia, Ostertagiasis, Triehostrongylus.

18213-68

ATYPICAL GLOBIDIOSIS IN A LAMB.

C E Binninger T C MeGuire

Amer Vet Med Ass J 151(5):606-608 REF

01 Sep 1967 41.8 AM3

Autopsies, Globidiosis, Globidium gilruthi, Lambs.

Abstract: In a lamb with fibrinous enteritis and lymphadenitis that died suddenly, enteritis was caused by a protozoan, Globidium gilruthi, which had invaded the mesenteric lymph nodes.

18214-68

ECOLOGIC ASPECTS OF LISTERIOSIS.

D C Blenden F T Szatalowiez

Amer Vet Med Ass J 151(12):1761-1766 REF 15 Dec 1967 41.8 AM3

Diagnosis, Epizootic diseases, Listeria grayi, Listeria monoeytogenes, Listeriosis.

Abstract

18215-68

PROPERTIES OF AUJESZKY'S DISEASE VIRUS STRAINS ISOLATED FROM SWINE PNEUMONIA CASES.

L Bodon J Meszaros G Papp-Vid J Romuary Acta Vet (budapest) 18(1):107-109 1968 41.8 AC83

Animal diseases, Pneumonia, Pseudorabies, Research, Swine, Tissue culture, Vaccines.

18216-68

ECOLOGY OF CLOSTRIDIUM BOTULINUM TYPE E.

T L Bott

Diss Abstr Sect B 29(2):464B

Aug 1968 Z5055.U49D53

Clostridium botulinum, Ecology, Fish, Water.

18217-68

BLUETONGUE OF SHEEP AND CATTLE: PAST, PRESENT, AND FUTURE.

J G Bowne A J Luedke M M Joehim

Amer Vet Med Ass J 151(12):1801-1803 REF 15 Dec 1967 41.8 AM3

Bluetongue, Cattle, Culicoides, Epizootic diseases, Insect vectors, Sheep.

18218-68

FACTORS AFFECTING THE STORAGE, EXCRETION, AND PLACENTAL TRANSFER OF DIELDRIN IN DAIRY CATTLE.

D G Braund

Diss Abstr Sect B 29(2):423B-424B

Aug 1968 Z5055.U49D53

Animal physiology, Biochemistry, Dairy eattle, Dieldrin, Placenta, Storage.

18219-68

SOME PHYSIOLOGICAL RESPONSES OF RUMINANTS TO 2,2-DICHLOROVINYL DIMETHYL PHOSPHATE.

E J Bris

Diss Abstr Sect B 29(2):421B

Aug 1968 Z5055.U49D53

Animal physiology, Biochemistry, Diehlorvos, Dosage, Ruminants, Sheep.

18220-68

RELATIONSHIPS BETWEEN ZINC NUTRITION AND ALKALINE PHOSPHATASE ACTIVITY IN THE CHICK.

W M Britton

Diss Abstr Sect B 29(1):256B

Jul 1968 Z5055.U49D53

Alkaline phosphatase, Animal nutrition, Cadmium, Chicks, Deficiency diseases, Diet, Enzymes, Metabolism, Zine.

18221-68

MYCETOMA IN A DOG.

R S Brodey H F Schryver M J Deubler W Kaplan L Asello

Amer Vet Med Ass J 151(4):442-451 REF 15 Aug 1967 41.8 AM3

Curvularia genieulata, Dogs, Mycetoma, Mycosis.

Abstract: Eumyeotic (maduromyeotie) mycetoma caused by Curvularia genieulata occurred in dog which had intermittent lameness and a progressively enlarging swelling in the right shoulder. Radiographically, there was considerable destruction of the scapula, along with deposition of new bone. Within the affected tissue, the organism appeared in the form of dark brown or black granules. At least 12 cases in lower animals have been reported. Those in man differ in geographic distribution, specific etiologic agent, and character of granules

18222-68

ONE-YEAR IMMUNITY IN DOGS VAC-CINATED WITH HIGH EGG-PASSAGE RABIES VIRUS GROWN ON ESTABLISHED DOG KID-NEY CELL LINE.

A L Brown D L Merry W H Beckenhauer Amer Vet Med Ass J 153(2):174-179 REF 15 Jul 1968 41.8 AM3

Dogs, Immunity, Rabies virus, Vaceines.

Abstract

HEMOPHILIA-LIKE DISEASE OF SWINE: CYTOGENETIC STUDIES.

R C Brown K W Cole C N Cornell K M Brinkhouse

Amer J Vet Res 29(7):1491-1493 REF

Jul 1968 41.8 AM3A Animal diseases, Animal genetics, Bone marrow, Cytology, Hemophilia, Leukocytes, Swine.

18224-68

AVIAN ADENO-LIKE VIRUSES- CHARACTERIZATION AND COMPARISON OF SEVEN ISOLATES.

C N Burke R E Luginbuhl L F Williams Avian Dis 12(3):483-505 REF

Aug 1968 41.8 AV5

Animal diseases, Biology, Chicken embryo lethal orphan virus, Cytology, Enteric cytopathogenic poreine orphan virus, Hemagglutination, Scrological tests, Virus diseases (animals).

18225-68

CORYNEBACTERIUM EQUI INFECTION IN TWO FOALS.

G E Burrows

Amer Vet Med Ass J 152(8):1119-1124 REF 15 Apr 1968 41.8 AM3

Abseesses, Arthritis, Corynebacterium equi, Culture media, Enteritis, Feees, Foals, Livestock diseases, Pneumonia, Respiration.

18226-68

ACTIONS OF VITAMIN D3 AND SEX HORMONES ON CALCIUM METABOLISM OF BONE IN BIRDS, PARTICULARLY IN HENS. S I Chang

Diss Abstr Sect B 29(2):667B-668B

Aug 1968 Z5055.U49D53

Animal physiology, Birds, Bones, Calcium, Chiekens, Hormones, Metabolism, Sex, Vitamin d3.

18227-68

SOME NUTRITIONAL ASPECTS OF DIETARY MAGNESIUM IN RUMINANTS AND POULTRY. C F Chieco

Diss Abstr Sect B 29(1):1B Jul 1968 Z5055.U49D53

Animal nutrition, Diet, Feed, Magnesium, Measurement, Poultry, Research, Ruminants, Sheep.

18228-68

SOME CHARACTERISTICS OF THREE POR-CINE ADENOVIRUSES.

M C Clarke H B A Sharpe J B Derbyshire Arch Gesamte Virusforsch 21(1):91-97 REF Jul 1967 448.3 AR23

Adenoviruses, Antibodies, Serodiagnosis, Serological tests, Swine, Taxonomy.

Abstract

18229-68

CLINICAL ASPECTS OF TOXIC INFECTIONS BY ANAEROBIC GERM SPORES IN RUMINANTS. (FR.)

P H Cottereau

Soc Vet Prat France Bull Mens 52(4):205-224 REF

Apr 1968 41.9 SO12

Anaerobie bacteria, Animal diseases, Gastrointestinal system, Laboratories, Research, Ruminants, Spores.

18230-68

EFFECTS OF ATTENUATED HOG CHOLERA VIRUS IN PREGNANT SWINE AT VARIOUS STAGES OF GESTATION.

W O Cowart L G Morehouse

Amer Vet Med Ass J 151(12):1788-1794 REF

15 Dec 1967 41.8 AM3

Hog eholera virus, Pregnancy, Swine, Virus diseases (animals).

Abstract

8231-68

HOG CHOLERA: REPLICATION OF HOG CHOLERA VIRUS IN TISSUE CULTURE WITH CYTOPATHIC EFFECT.

J G Crawford T R Dayhuff M J Gallian Amer J Vet Res (9):1733-1739 REF

Sep 1968 41.8 AM3A

Arginine, Buffer substances, Hog cholera virus, Research, Tissue culture.

18232-68

HOG CHOLERA: SAFETY AND PROTECTION STUDIES WITH PHOTODYNAMICALLY INACTIVATED HOG CHOLERA VIRUS.

J G Crawford T R Dayhuff E A White Amer J Vet Res 29(9):1749-1759 REF

Sep 1968 41.8 AM3A Antibodies, Hog cholera virus, Immunization, Injections, Light, Research, Virus diseases (animals).

18233-68

CHARACTERIZATION STUDIES ON FELINE PANLEUCOPENIA VIRUS. (WITH). II. PATHOGENESIS IN THE HOST.

D L Croghan

Diss Abstr Sect B 29(1):287B-288B

Jul 1968 Z5055.U49D53

Cats, Cells, Culture media, Feline infectious enteritis, Kidneys, Morphology, Mortality, Research, Temperature, Tissues, Virus diseases (animals).

18234-68

GROWTH AND DEVELOPMENT OF THE BOVINE AS RELATED TO CERTAIN ENDOCRINE FACTORS.

S E Curl M A Fennell D W Zinn R C Albin *J Anim Sci* 27(4):1011-1014 REF

Jul 1968 49 J82

Animal anatomy, Animal diseases, Blood analysis, Calves, Correlation, Endocrine glands, Feedlots.

18235-68

ISOLATION AND CHARACTERIZATION OF THREE PLAQUE-TYPE CLONES OF THE HICKMAN STRAIN OF NEWCASTLE DISEASE VIRUS.

M D Daniel R P Hanson

Avian Dis 12(3):434-440 Aug 1968 41.8 AV5

Culture media, Erythrocytes, Neweastle disease virus, Population statistics, Research, Virus diseases (animals).

LIVESTOCK PROTECTION

18236-68

18236-68

ELECTRON MICROSCOPIC STUDIES ON THE DEVELOPMENT OF VESICULAR STOMATITIS VIRUS

I S David-West N A Labzoffsky

Arch Gesamte Virusforsch 23(1-2):105-125 REF Feb 1968 448 3 AR23

Electron microscopy, Morphology, Physiology, Rabies virus, Tissue culture, Vesicular stomatitis VITUS.

Abstract

HISTOPATHOLOGIC CHANGES IN MALE SWINE WITH EXPERIMENTAL BRUCELLO-SIS.

B L Deyoe

Amer J Vet Res 29(6):1215-1220 REF

Jun 1968 41.8 AM3A

Animai anatomy, Animal diseases, Animal histology, Brucella suis, Brucellosis, Granuloma, Lymph nodes, Swine.

18238-68

IMMUNOCIIEMICAL AND BIOCHEMICAL INTERRELATIONSHIP OF STREPTOCOCCUS AGALACTIAE TO THE BOVINE.

K Dodd

Diss Abstr Sect B 29(2):697B

Aug 1968 Z5055.U49D53

Animal diseases, Biochemistry, Cattle, Chemistry, Immunity, Streptococcus agalactiae.

ESTABLISHMENT OF THE PATHOLOGICAL RELATIONSHIP BETWEEN PLANT AND ANIMAL ISOLATES OF GEOTRICHUM CAN-DIDUM, IN EMBRYONATED CHICKEN EGGS. Z M El-Tobshy

Diss Abstr Sect B 29(2):496B

Aug 1968 Z5055.U49D53

Chickens, Eggs, Embryology, Fungus diseases (animals), Fungus diseases (plants), Geotrichum candidum.

18240-68

BEHAVIOR OF EQUINE INFECTIOUS ANEMIA VIRUS IN CELL CULTURE AND DEVELOP-MENT OF A DIAGNOSTIC TEST FOR THE DIS-EASE.

A El-Zein

Diss Abstr Sect B 29(2):697B-698B

Aug 1968 Z5055.U49D53

Culture media, Diagnosis, Equine infectious anemia, Horses, Research, Virus diseases (animals).

A COLLECTIVE OUTBREAK OF TRANSMISSI-BLE GASTROENTERITIS IN SWINE. HI. ISOLATION OF A VIRUS WITH CYTOPATHOGENIC EFFECT AND ITS PRO-PERTIES. (JA)

M Eto K Uno M Mishima T Tunoda H Taneno S Watanabe T Ichihara

Jap Vet Med Ass J 21(2):73-76

1968 41 9 1275

Diagnosis, Gastroenteritis, Swine, Viruses. English abstract

Abstract

18242-68

EFFECTS OF SELENIUM AND VITAMIN E ON NUTRITIONAL MUSCULAR DYSTROPHY IN LAMBS.

R C Ewan C A Baumann A L Pope J Anim Sci 27(3):751-756 REF

26 Jun 1968 49 J82

Animal diseases, Animal nutrition, Animal physiology, Biochemistry, Lambs, Muscular dystrophy, Selenium, Vitamin c.

CHARACTERIZATION OF BOVINE VIRAL DIARRHEA VIRUSES BY THEIR INTERACTIONS WITH SUSCEPTIBLE HOST CELLS. A L Fernclius

Diss Abstr Sect B 28(11):4674B

May 1968 Z5055.U49D53

Bovine virus diarrhea virus, Cells, Cytology, Electron microscopy, Immunodiagnosis, Phenols, Rabbits, Ribonucleic acid, Virus diseases (animals).

WATER, ELECTROLYTE, AND ACID-BASE ALTERATIONS IN EXPERIMENTAL CANINE LEPTOSPIROSIS.

D R Finco D G Low

Amer J Vet Res 29(9):1799-1807

Sep 1968 41.8 AM3A

Acids, Animal diseases, Blood serum, Calcium, Dogs, Electrolytes, Injections, Leptospira canicola, Thiocyanates, Water.

NEWCASTLE DISEASE: A LEGAL IN-TERPRETATION.

J Francis

Vet Rec 83(8):205

24 Aug 1968 41.8 V641

Animal diseases, Antibodies, Laboratories, Newcastle disease virus, Research, Swine, Tissuc culture.

18246-68

ARTIFICIALLY INDUCED IMMUNITY TO EN-ZOOTIC ABORTION IN EWES.

F W Frank L H Scrivner L Thomas D G Waldhalm W A Meinershagen Amer J Vet Res 29(7):1441-1447 REF Jul 1968 41.8 AM3A

Abortion, Animal diseases, Complement fixation, Immunization, Research, Sheep.

A COMPARATIVE STUDY OF CELL WALL GLYCOPEPTIDE STRUCTURE OF SOME BOVINE VIBRIOS.

P H Fung

Diss Abstr Sect B 29(1):289B

Jul 1968 Z5055.U49D53

Assay, Cattle, Cell wall, Chromatography, Glycine, Glycopeptides, Ion exchange, Penicillin, Toxins, Vibrio bubulus, Vibrio fetus.

A CASE OF PORCINE ENDOCARDITIS ASSOCIATED WITH STAPHYLOCOCCUS AU-REUS.

H D Geissinger C E Andress

Can Vet J 8(10):236-238

Oct 1968 41.8 R3224

Endocarditis, Injections, Microscopy, Morphology, Research, Staphylococcus aureus, Swine.

THE EXPERIMENTAL USE OF BULL SEMEN CONTAMINATED WITH PSEUDOMONAS AERUGINOSA ORGANISMS.

S M Getty D J Ellis

Amer Vet Med Ass J 151(12):1688-1691 REF 15 Dec 1967 41.8 AM3

Cattle, Fertility, Pseudomonas aeruginosa, Semen.

18250-68

AND MYOGLOBIN CONTROL DYSTROPHIC CHICKENS.

D E Goldbloom

Diss Abstr Sect B 29(1):43B Jul 1968 Z5055.U49D53

Amino acids, Animal diseases, Chickens, Chromatography, Electrophoresis, Extracts, Museles, Muscular dystrophy, Myoglobin, Sedimentation.

THE RESPONSE OF VARIOUS TISSUES IN NEONATE CALVES TO BOVINE PAPILLOMA VIRUS (BPV).

D E Gordon

Diss Abstr Sect B 29(1):5B Jul 1968 Z5055.U49D53

Bovine papilloma virus, Cattle, Centrifugation, Electron microscopy, Homogenization, Papilloma, Research, Tissues, Virus diseases (animals).

18252-68

AN OUTBREAK OF RINGWORM AMONG CATTLE IN SHIMANE, (JA)

F Hara A Iwata K Iwasaki H Ueno

Jap Vet Med Ass J 21(2):69-72 1968 41.9 J275

Cattle. diseases, Epizootic Ringworm, Trycophyton. English abstract

Abstract

18253-68

SURVIVAL OF SALMONELLA, VIABLE BAC-TERIAL COUNT AND APPEARANCE OF CONTAMINATION-INDICATING ORGANISMS IN SALMONELLA-POSITIVE FEEDSTUFF. (JA)

H Hashimoto

Jup Vet Med Ass J 21(3):109-112, 118

1968 41.9 1275

Diagnosis, Feed, Fish meal, Food contamination, Salmonella. English summary

18254-68

STRYCHNINE LEVELS IN TISSUES AND STOMACH CONTENTS OF POISONED DOGS: AN ELEVEN YEAR SURVEY.

R C Hatch H S Funnell

Can Vet J 9(7):161-164

Jul 1968 41.8 R3224

Dogs, Liver, Poisoning, Stomach, Strychnine, Surveys, Tissues. French summary

18255-68

CLOSTRIDIUM PERFRINGENS TYPE A IN-FECTION OF LIGATED INTESTINAL LOOPS IN LAMBS.

A H W Hauschild L Niild W J Dorward

Appl Microbiol 16(8):1235-1239 REF

Aug 1968 448.3 AP5

Animal diseases, Assay, Clostridium perfringens, Culture media, Enteritis, Injections, Intestines, Laboratory animals, Lambs, Research.

18256-68

LIPIDS OF VENEZUELAN EQUINE ENCEPHALOMYELITIS VIRUS AND THEIR RELATIONSHIP TO THE LIPIDS OF THE HOST.

F P Heydrick

Diss Abstr Sect A 29(1):289B

Jul 1968 Z5055.U49D5

Animal diseases, Chick embryos, Lipids, Phospholipids, Poultry, Venezuelan equine encephalomyelitis, Virus diseases (animals).

AN ENZOOTIC OF PSEUDORABIES IN SWINE IN CALIFORNIA.

J A Howarth

Amer Vet Med Ass J 152(8):1114-1118 REF 15 Apr 1968 41.8 AM3

Blindness, Garbage (feed), Mortality, Nervous system diseases, Pseudorabies, Retina, Swine, Tcmperature, Virus diseases (animals).

18258-68

DEGRADATION OF CELLULAR RIBONUCLE-IC ACID IN NEWCASTLE DISEASE VIRUS IN-FECTED CELLS.

W H Huo

Diss Abstr Sect B 29(1):289B-290B

Jul 1968 Z5055.U49D53

Cells, Chick embryos, Deoxyribonucleic acid, Metabolism, Newcastle disease, Nucleic acids, Radioactivity, Research, Ribonucleic acid, Virus diseases (animals).

18259-68

FIELD EXPERIMENT WITH THE ANTICOC-CIDIAL DIMETHYALIUM, (JA)

1 Inoue

Jup Vet Med Ass J 21(1):27-32

1968 41.9 J275

Coccidiosis, Dimethyalium, Eimeria accrvulina, Eimeria brunetti, Eimeria mitis, Therapeutics.

THE EXPERIMENTAL PRODUCTION OF A FORMALIN-KILLED JAPANESE EN-CEPHALITIS VIRUS VACCINE FROM POR-CINE KIDNEY CELL CULTURES.

Y K Inoue Y Nishibc

Arch Gesainte Virusforsch 21(2):192-199 REF Sep 1967 448.3 AR23

Japanese b encephalitis virus, Productivity, Tissue culture, Vaccines

Abstract

18261-68

A FERN POISONING-LIKE DISEASE OB-SERVED IN AN IMPROVED PASTURE. (JA)

Jap Vet Med Ass J 20(9):389-394

1967 41.9 J275

Livestock, Pasture management, Poisonous plants, Pteridophyta.

18262-68

OXALATE METABOLISM IN SHEEP II. EF-FECT OF LOW LEVEL HALOGETON GLOMERATUS INTAKE ON ELECTROLYTE METABOLISM.

L F James J C Street J E Butcher J L Shupe J Anim Sci 27(3):724-729 REF

May 1968 49 J82

Animal physiology, Electrolytes, Halogeton glomeratus, Metabolism, Oxalates, Sheep.

18263-68 DUCK PLAGUE.

J Jansen

Amer Vet Med Ass J 152(7):1009-1016 REF 01 Apr 1968 41.8 AM3

Biological transport, Cloaca, Ducks, Esophagus, Immunity, Mortality, Mucosal disease, Plague, Purpura hemorrhagica, Virus diseases (animals).

18264-68

MYCOPLASMAS: THEIR ROLE IN BOVINE DISEASE.

D E Jasper

Amer Vet Med Ass J 151(12):1650-1655 REF 15 Dec 1967 41.8 AM3

Arthritis, Cattle, Mastitis, Mycoplasma, Pleuropneumonia, Reproductive organs.

Abstract

18265-68

CALIFORNIA-ENCEPHALITIS-GROUP VIRUSES IN FLORIDA RABBITS: REPORT OF EXPERIMENTAL AND SENTINEL STUDIES.

W L Jennings A L Lewis G E Sather W M Hammon J O Bond

Amer J Trop Med Hyg 17(5):781-787 REF Sep 1968 448.8 AM326

Antibodics, Antigens, California encephalitis virus, Injections, Hemagglutination-inhibition test, Laboratory animals, Measurement, Rabbits, Research, Serological tests, Virus diseases (animals).

SEROLOGICAL TESTS FOR THE DETECTION OF ANTIBODIES TO MYCOPLASMA GAL-LISEPTICUM IN CHICKENS AND TURKEYS.

FTW Jordan P Kulasegaram

J Hyg 66(2):249-267 REF

Jun 1968 449.8 J82

Antibodies, Mycoplasma gallisepticum, Poultry, Serological tests.

Abstract

18267-68

PATHOLOGY A-D IMMUNOFLUORESCENCE STUDIES OF BOVINE MYCOPLASMA MAS-TITIS.

E Karbe

Diss Abstr Sect B 28(8):3120B Feb 1968 Z5055.U49D53

Animal diseases, Antibodics, Cattle, Immu-nofluorescence, Mastitis, Milk, Mycoplasma agalactiae, Rabbits.

18268-68

PATHOLOGICAL CHANGES OF ACUTE NEW-CASTLE DISEASE IN AN OUTBREAK IN MIYAZAKI PREFECTURE WITH SPECIAL REFERENCE TO THOSE OF THE CLOACA. (JA)

M Kawasaki

Jap Vet Med Ass J 21(3):113-118

1968 41.9 J275

Chickens, Cloaca, Epizootic diseases, Histology, Newcastle disease.

18269-68

ANTIBODY RESPONSE TO IMMUNIZATION IN EXPERIMENTAL SALMONELLOSIS.

K V Kenny

Diss Abstr Sect B 29(1):290B

Jul 1968 Z5055.U49D53

Agglutination, Animal discases, Antibodies, Assay, Bacteria, Enterobacteriaceae, Escherichia coli, Immunology, Mice, Salmonella typhimurium, Salmonellosis, Scrological tests.

MEDICATED FEEDS; APPROVAL OF NEW DRUG APPLICATIONS.

J K Kirk

Fed Regist 33(128):9609

02 Jul 1968 L1.451

Drug therapy, Drugs, Feed, Feed additives, Therapeutics.

FOOD INTAKE AND GROWTH OF BURRO FOALS AFTER 250 ROENTGENS OF COBALT-60 WHOLE-BODY GAMMA IRRADIATION.

J J Knapka D G Brown K M Barth Radiat Res 36(1):158-165 REF

Oct 1968 334.8 R11

Animal physiology, Asses, Cobalt, Food, Gamma rays, Irradiation, Isotopes, Mctabolism, X-rays.

THE EQUINE RESPIRATORY DISEASE SYNDROME IN THE PACIFIC NORTHWEST.

L M Koger

Amer Vet Med Ass J 151(12):1611-1614 15 Dec 1967 41.8 AM3

Horses, Pacific Northwest, Respiratory diseases.

SEROLOGIC RESPONSE OF SWINE TO ESCHERICHIA COLI ANTIGENS.

E M Kohler R B Moore S Smith Amer J Vet Res 29(7(:1419-1428 REF Jul 1968 41.8 AM3A

Antigens, Blood serum, Colibacillosis, Escherichia coli, Immunization, Swine.

EFFECTS OF A LOW MANGANESE DIET ON CERTAIN OVINE CHARACTERISTICS.

LW Lassiter LD Morton

J Anim Sci 27(3):776-779

May 1968 49 J82

Anatomy, Animal nutrition, Animal physiology, Dict, Lambs, Manganese.

18275-68

TREATMENT OF STRONGYLOIDES RANSOMI INFECTION OF PIGS WITH THIABENDAZOLE AND DICHLORVOS.

S E Leland F C Neal C B Plummer Amer J Vet Res 29(6):1235-1240

Jun 1968 41.8 AM3A

Dichlorvos, Eggs, Epizootic diseases, Feeding, Strongyloides ransomi, Swine, Thiazolyl)-Strongyloides ransomi, Swine, benzimidizole, 2-(4-.

CONTAGIOUS BOVINE PLEUROPNEUMONIA AND THE PROBLEMS ASSOCIATED WITH ITS CONTROL.

E P Lindley

Amer Vet Med Ass J 151(12):1810-1815 REF 15 Dcc 1967 41.8 AM3

Cattle, Epizootic diseases, Goats, Mycoplasma mycoides, Therapeutics.

18277-68

BASIC BIOLOGICAL CHARACTERISTICS OF MYCOPLASMA.

D L Madden N B McCullough

Amer Vet Med Ass J 151(12):1638-1649 REF

15 Dec 1967 41.8 AM3

Biochemistry, Biology, Classification, Morphology, Mycoplasma, Physiology.

Abstract

18278-68

THE USE OF POLYVALENT INACTIVATED VACCINE THERAPEUTICALLY AGAINST EQUINE INFLUENZA.

C 1 Manners

Amer Vet Med Ass J 151(12):1609-1610.

15 Dec 1967 41.8 AM3

Equinc influenza, Horses, Therapeutics, Vaccines.

GASTROINTESTINAL **PARASITISM** FEEDER CALVES OF SOUTHERN ILLINOIS. M E Mansfield J R Pickard G W Meyerholz H N Becker

Amer J Vet Res 29(7):1479-1487

Jul 1968 41.8 AM3A

Calves, Gastrointestinal system, Nematodes, Parasitism, Strongyloides.

18280-68

INCREASED INCIDENCE OF AVIAN LEUKO-SIS IN RESPONSE TO EXCESS VITAMIN A.

B E March J Bicly

Nature 214(5085):287-288 REF

15 Apr 1967 472 N21

Animal nutrition, Avian leukosis complex, Birds, Diagnosis, Mortality, Research, Virus diseases (animals), Vitamin a.

THE UTILIZATION OF VITAMIN A AND CAROTENE BY RUMINANTS. I. VITAMIN A POTENCY OF CAROTENES IN CORN SILAGE FED TO LAMBS. 2. THE EFFECT OF TIME AND ROUTE OF ADMINISTRATION OF VITAMIN A ON LIVER VITAMIN A STORAGE BY STEERS. 3. THE EFFECT OF ROUTE OF ADMINISTRATION OF VITAMIN A ON BLOOD SERUM AND LIVER VITAMIN A CONCEN-TRATIONS IN STEERS AT SUBSEQUENT TIME INTERVALS.

F H Martin

Diss Abstr Sect B 29(1):256B

Jul 1968 Z5055.U49D53

Animal nutrition, Blood serum, Carotenes, Cattle, Corn, Diet, Feed, Lambs, Liver, Research, Ruminants, Vitamin a.

PREVALENCE OF TRICHINELLA SPIRALIS IN WILD ANIMALS ON TWO ILLINOIS SWINE FARMS.

R J Martin P R Schnurrenberger F L Andersen C K Hsu

J Parasitol 54(1):108-111

Feb 1968 448.8 J824

Mice, Rats, Swine, Trichinclla spiralis, Wildlife dis-

Abstract: On one farm only grain and commercial supplements were utilized as swinc feed. Of 239 wild animals only one r. nurvegicus and one P. leucopus were found infected with T. spiralis. This is the 1st. report of natural T. spiralis in P. leucopus. Cooked garbage was fed to swine on the 2nd farm. Of 250 animals only two R. norvegicus were found infected with T. spiralis.

18283-68

THE SIGNIFICANCE OF THE STAY OF NECA-TOR AMERICANUS LARVAE IN THE PUPPY LUNG ON THEIR FURTHER DEVELOPMENT. (JAP)

K Matsuno I Nosc M Ishikawa S Okada Y Takahashi

Jap J Parasitol 16(5):313-318 REF Oct 1967 436.8 J27

LIVESTOCK PROTECTION

18284-68

Dogs, Lungs, Necator americanus, Necatoriasis, Respiratory system English abstract

HISTOPATHOLOGICAL AIDS TO THE DIAG-NOSIS OF CERTAIN POULTRY DISEASES.

O Y Mayor Vet Bull 38(5):273-285 REF

May 1968 41.8 T752

Deficiency diseases, Diagnosis, Histology, Livestock diseases, Lymphomatosis, Neoplasms, Nervous system, Poultry, Respiration.

18285-68

ELECTRON OPTICAL AND BUOYANT DENSI-TY STUDIES OF HOG CHOLERA VIRUS.

A Mayr P A Bachmann B E Sheffy G Siegl Arch Gesamte Virusforsch 21(1):113-119 REF Jul 1967 448.3 AR23

Biophysics, Density, Electron microscopy, Hog cholera virus, Swine.

18286-68

PSITTACOSIS-LYMPHOGRANULOMA VENEREUM AGENT ISOLATED DURING AN ABORTION EPIZOOTIC IN GOATS.

E H McCauley E L Tieken

Ainer Vet Med Ass J 152(12):1758-1765 REF 15 Jun 1968 41.8 AM3

Abortion, Antibiotics, Cattle, Epizootic diseases, Goats, Miyagawanella group viruses, Penicillin, Sheep.

Abstract: The agent was isolated from tissue of an aborted goat fetus during an abortion epizootic in a herd of 216 milk goats. The herd had a 12 per cent abortion rate during the 1967 parturition season and a 38 per cent rate during one month. A marked decreased in incidence was observed after penicillin therapy was given to pregnant goats. The isolate caused abortion in 2 susceptible cows and 1 ewe. Evidence indicates the probable introduction of the agent into this herd by male and female goats from another source which had a history of high abortion rates in primiparous goats. Females bred to males from this source had a higher incidence of abortion than those bred to other males.

SALMONELLA DUBLIN MENINGITIS IN PIGLETS.

B A McErlean

Vet Rec 82(9):257-258

02 Mar 1968 41,8 V641

Baby pigs, Brain, Livestock diseases, Meningitis, Salmonella dublin.

FOOT-AND-MOUTH DISEASE IN SWINE. I. THE IMMUNE RESPONSE OF SWINE TO CHEMICALLY-TREATED AND NON-TREATED FOOT-AND-MOUTH DISEASE VIRUS.

P D McKercher A R Giordano

Arch Gesamte Virusforsch 20(1):39-53 REF

Feb 1967 448.3 AR23

Antibodies, Foot-and-mouth disease virus, Immunization, Serological tests, Swine.

18289-68

FOOT-AND-MOUTH DISEASE IN SWINE. II. PHYSICALCHEMICAL SOME CHARAC-TERISTICS OF ANTIBODIES PRODUCED BY CHEMICALLY-TREATED AND NON-TREATED FOOT-AND-MOUTH DISEASE VIRUS.

P D McKercher A R Giordano

Arch Gesamte Virusforsch 20(1):54-70 REF

Feb 1967 448.3 AR23

Antibodies, Biochemistry, Biophysics, Foot-andmouth disease virus, Swine.

18290-68

COPPER AND ASCORBIC ACID IN GUINEA PIG TISSUES AS EFFECTED BY DIETARY IN-TAKE.

V R McMasters

Diss Abstr Sect B 29(1):257B

Jul 1968 Z5055.U49D53

Animal histology, Animal nutrition, Animal physiology, Ascorbic acid, Copper, Cytoplasm, Deficiency diseases, Diet, Guinea pigs, Metabolism, Tissues, Toxicology.

18291-68

FLUORESCENT MICRO-PLAQUE ASSAY FOR HOG CHOLERA VIRUS. LOCALIZATION OF INFECTION WITH HOMOLOGOUS AN-TISERUM.

W.L. Mengeling

Arch Gesamte Virusforsch 23(1-2):27-39 REF

Feb 1968 448.3 AR23

Diagnosis, Fluorescent antibody technic, Hog cholera virus, Physiology.

Abstract

18292-68

MINERAL AND ENDOCRINE INTERRELA-TIONSHIPS IN RENAL CALCIFICATION.

D L Meyer

Diss Abstr Sect B 28(8):3120B-3121B

Feb 1968 Z5055.U49D53

Biological assay, Blood serum, Calcification (physiological), Kidneys, Magnesium, Parathyroid glands, Phosphorus, Rats, Thyroxine.

18293-68

RESPONSE OF LYMPHOCYTE-DEPLETED CALVES TO FLUID TETANUS TOXOID.

H W Moon R D Stoner D D Joel A D Chanana E P Cronkite

Amer J Vet Res 29(6):1211-1214

Jun 1968 41.8 AM3A

Antibodies, Blood, Calves, Irradiation, Lymph,

18294-68

LIVER GRANULOMAS OF TURKEYS CAUSTIVE AGENTS AND MECHANISM OF IN-FECTION.

W E C Moore W B Gross

Avian Dis 12(3):417-422

Aug 1968 41.8 AV5

Animal diseases, Bacteria, Culture media, Germfree life, Granuloma, Liver, Morphology, Streptococcus fecalis, Turkeys.

18295-68

EFFECTS OF GENETIC CELLULAR RE-SISTANCE ON CELL TRANSFORMATION AND VIRUS REPLICATION IN CHICKEN HE-MATOPOIETIC CELL CULTURES INFECTED WITH AVIAN MYELOBLASTOSIS VIRUS (BAI-0A).

C Moscovici P K Vogt

Virology 35(4):487-497 REF

Aug 1968 448.8 V81

Avian myeloblastosis virus, Cells, Chickens, Culture media, Genetics, Hematopoietic system, Neoplastic diseases, Virus diseases (animals)

18296-68

THE ROLE OF THE EPIDEMIOLOGIST IN THE CONTROL AND ERADICATION PRO-GRAMS OF POULTRY DISEASES.

J I Moulthrop E E Grass B S Pomeroy Amer Vet Med Ass J 151(12):1853-1856 15 Dec 1967 41.8 AM3

Epidemiology, Epizootic diseases, Poultry.

LONGEVITY OF AN EXPERIMENTAL INFEC-TION WITH DIROFILARIA IMMITIS IN A DOG.

W L Newton

J Parasitol 54(1):187-188

Feb 1968 448.8 J824

Animal diseases, Anopheles quadrimaculatus, Dirofilaria immitis, Dogs, Longevity.

18298-68

ANIMAL SENTINELS IN A STATEWIDE ARTHROPOD-BORNE ENCEPHALITIS SUR-VEILLANCE PROGRAM.

J B Nichols W J Bigler

Amer Vet Med Ass J 151(12):1767-1771 REF 15 Dec 1967 41.8 AM3

Epidemiology, Equine encephalomyelitis, Horses, Insect vectors, Surveys.

Abstract

18299-68

UTILIZATION OF THE CARD TEST IN BRU-CELLOSIS ERADICATION.

P Nicoletti

Amer Vet Med Ass J 151(12):1778-1783 REF 15 Dec 1967 41.8 AM3

Agglutination test, Brucellosis, Cattle, Serodiagno-

Abstract

18300-68

PLACENTAL PATHOLOGY OF EXPERIMEN-TALLY-INDUCED ENZOOTIC ABORTION IN EWES.

M N Novilla

Diss Abstr Sect B 28(8):3121B

Feb 1968 Z5055.U49D53

Agricultural research, Enzootic abortion, Fetal membranes, Livestock diseases, Microorganisms, Placenta, Sheep.

TRANSMISSION OF SALMON POISONING DISEASE TO DOGS BY NANOPHYETUS SAL-MINCOLA EGGS.

P A Nyberg

Diss Abstr Sect B 28(11):4805B

May 1968 Z5055.U49D53

Animal diseases, Dogs, Inclusion bodies, Injections, Nanophyetus salmincola, Neorickettsia helminthoeca, Trematoda.

18302-68

A COMPARISON OF METHODS OF MEASURING THE PERSISTANCE OF NEUTRALIZING AND HAEMAGGLUTININ-INHIBITING AN-TIBODIES TO LOUPING ILL VIRUS IN EX-PERIMENTALLY INFECTED SHEEP.

K J O'Reilly C E G Smith D A McMahon E T W Bowen G White

J Hvg 66(2):217-227 REF

lun 1968 449 8 182

Antibodies, Livestock diseases, Louping ill virus, Serological tests, Serum neutralization test, Sheep.

Abstract

18303-68 RABIES CONTROL IN PUBLIC HEALTH AD-MINISTRATION, (JA.)

H Otani

Jap Vet Med Ass J 20(9):382-385

1967 41.9 J275

Animal diseases, Epidemiology, Public health administration, Rabies.

STUDIES ON THE REPLICATION OF AFRICAN HORSE-SICKNESS VIRUS IN TWO DIFFERENT CELL LINE CULTURES.

Y Ozawa

Arch Gesamte Virusforsch 21(2):155-169 REF Sep 1967 448.3 AR23

Acridine orange, African horse sickness virus, Nucleic acids, Physiology, Tissue culture.

Abstract

18305-68

MITOCHONDRIAL INVOLVEMENT IN THE HOST-PARASITE RELATIONSHIP.

S G Pal

Arkiv Zool 20(1):79-83

1967 410.9 SV22

Cytology, Electron microscopy, Mice, Mitochondria, Toxoplasma gondii, Toxoplasmosis.

18306-68

BIOCHEMICAL AND BIOPHYSICAL PROPER-TIES OF CANINE DISTEMPER VIRUS.

L A Phillips

Diss Abstr Sect B 28(11):4679B

May 1968 Z5055.U49D53

Biochemistry, Canine distemper virus, Density, Physiology, Ribonucleic acid, Taxonomy, Virus diseases (animals).

HISTIDINE DECARDOXYLASE IN STRAINS OF ESCHERICHIA COLI ISOLATED FROM NORMAL SWINE AND SWINE WITH EDEMA DISEASE AND ENTERIC DISORDERS.

J A Pickrell H E Rhoades J Gossling Amer J Vet Res 29(7):1397-1399

Jul 1968 41.8 AM3A

Animal abnormalities, Clostridium, Edema, Enteritis, Escherichia coli, Histamine, Histidine decarboxylase. Pseudomonas fluorescens, decarboxylase, Research, Swine,

18308-68

CHANGES IN PROTEIN AND NUCLEIC ACID METABOLISM IN BABY HAMSTER KIDNEY CELLS INFECTED WITH FOOT-AND-MOUTH DISEASE VIRUS.

J Polatnick G F V Woude R B Arlinghaus Arch Gesamte Virasforsch 23(3):218-226 REF Mar 1968 448.3 AR23

Deoxyribonucleic acid, Foot-and-mouth disease virus, Hamsters, Kidneys, Metabolism, Physiology, Ribonucleic acid, Tissuc culture.

18309-68

IONIZING IRRADIATION OF FOOT-AND-DISEASE VIRUS AND MOUTH RIBONUCLEIC ACID.

J Polatnick H L Bachrach

Arch Gesamte Virasforsch 23(1-2):96-104 REF Feb 1968 448.3 AR23

Biochemistry, Foot-and-mouth disease virus, Ionizing radiation, Ribonucleic acid, Tissue culture.

Abstract

18310-68

EXPERIMENTAL TRANSMISSION OF TWO CANINE NEOPLASMS: LYMPHOSARCOMA AND MAST CELL LEUKEMIA.

Diss Abstr Sect B 29(1):259B-260B

Jul 1968 Z5055.U49D53

Animal diseases, Cells, Dogs, Electron microscopy, Immunology, Leukemia, Lymphosarcoma, Neoplasms, Research, Transplanting.

EFFECT OF BURSECTOMY ON THE ROUS VIRUS TUMOUR INDUCTION IN CHICKENS.

R Radzichovskaja

Nature 213(5082):1259-1260 REF

25 Mar 1967 472 N21

Animal diseases, Antibodies, Bursectomy, Chickens, Research, Rous sarcoma, Rous sarcoma virus

18312-68

AGE SUSCEPTIBILITY AND EXCRETION OF SALMONELLA TYPHIMURIUM IN CALVES. R A Robinson K I Loken

J Hyg 66(2):207-216 REF

Jun 1968 449.8 182

Calves, Diagnosis, Livestock diseases, Salmonella typhimurium, Salmonellosis.

Abstract

18313-68

SUCCESSFUL TREATMENT OF COCCIDIOSIS IN LAMBS.

D B Ross

Vet Rec 83(8):189-190

24 Aug 1968 41.8 V641

Amprolium, Coccidiosis, Eimeria, Ethopabate, Lambs, Research.

18314-68

ALTERATIONS IN THE RESPONSE AND FUNCTIONS OF THE CHICKEN PANCREAS INDUCED BY FEEDING UNHEATED AND AU-TOCLAVED SOYBEAN MEAL.

A J Salmon

Diss Abstr Sect B 29(2):669B

Aug 1968 Z5055.U49D53

Animal physiology, Chickens, Feeding, Pancreas, Soybean meal.

IMMUNIZATION OF FOXES WITH INAC-TIVATED WIRUS RABIES VACCINE.

R C Schmidt R K Sikes

Amer Vet Med Ass J 29(9):1843-1847

Sep 1968 41.8 AM3

Animal diseases, Antibodies, Foxes, Immunization, Injections, Rabies virus, Research, Serum neutralization test, Vaccines.

SOME FACTORS AFFECTING INTERFERON PRODUCTION BY FOOT-ANDMOUTH DISEASE VIRUS IN BOVINE TISSUE CULTURES.

R F Scllers J H Bennett G N Mowat W A Snowdon

Arch Gesamte Virusforsch 23(1-2):1-11 REF Feb 1968 448.3 AR23

Cattle, Cytopathology, Foot-and-mouth disease virus, Interferon, Physiology, Tissue culture.

18317-68

INTERFERENCE BETWEEN MODIFIED AND VIRULENT STRAINS OF FOOTAND-MOUTH DISEASE VIRUS.

R F Sellers G N Mowat

Arch Gesamte Virasforsch 23(1-2):20-26 REF 1968 448 3 AR23

Cattle, Cytopathology, Foot-and-mouth disease virus, Interferon, Physiology, Tissue culture.

Abstract

18318-68

AN OUTBREAK OF ORNITHOSIS IN FOWLS. S A Sheikh M A Mahmood N A Khan

Pakistan J Sci 19(1-2)64-66 Jan 1967 475 P172

Autopsies, Ornithosis, Poultry, Therapeutics.

Abstract

18319-68

EXPERIMENTAL PRODUCTION OF RHEUMA-ARTHRITIS TOID OF SWINE: PHYSIOPATHOLOGIC CHANGES OF TISSUES. D Sikes

Amer J Vet Res 29(9):1719-1731 REF

Sep 1968 41.8 AM3A

Animal diseases, Arthritis, Blood scrum, Erysipelothrix insidiosa, Histology, Hypergam-maglobulinemia, Serological tests, Swine, Tissues.

18320-68

ENZOOTIC RABIES IN RODENTS IN THAI-

P C Smith K Lawhaswasdi W E Vick J S Stanton Nature 217(5132):954-955

09 Mar 1968 472 N21

Animal vectors, Diagnosis, Fluorescent antibody technic, Rabies, Rabies virus, Rodents, Virus diseases (animals).

18321-68

WHAT VETERINARIANS CAN DO ABOUT THE SALMONELLA PROBLEM.

G H Snoevenbos

Amer Vet Med Ass J 151(12):1795-1800 REF 15 Dec 1967 41.8 AM3

Diagnosis, Epidemiology, Epizootic diseases, Food sanitation, Salmonellosis.

INFLUENCE OF STATOLON-INDUCED INTER-FERON ON RABIES VIRUS INFECTION IN MICE.

O A Soave

Amer J Vet Res 29(7):1507-1508

Jul 1968 41.8 AM3A

Interferon, Mice, Rabies virus, Statolon, Veterinary medicine.

18323-68

SEROLOGIC SURVEY FOR TOXOPLASMA ANTIBODIES IN A COLONY OF RESEARCH DOGS AND CATS IN CALIFORNIA.

O A Soave

Amer J Vet Res 29(7):1505-1506

Jul 1968 41.8 AM3A

Antibodies, Cats, Dogs, Research, Serological tests, Toxoplasma gondii.

EIGHT FELINE VIRUSES: AN ELECTRON MICROSCOPIC STUDY.

J D Strandberg

Diss Abstr Sect B 29(1):292B

Jul 1968 Z5055.U49D53

Cats, Cells, Electron microscopy, Kidneys, Morphology, Research, Virus diseases (animals).

IMPROVED TECHNIQUES FOR THE DETEC-TION OF FOOT-AND-MOUTH DISEASE VIRUS IN CARRIER CATTLE.

P Sutmoller G E Cottral

Arch Gesamte Virusforsch 21(2):170-177 REF

Scp 1967 448.3 AR23

Biological assay, Cattle, Diagnosis, Foot-andmouth disease virus.

18326-68

THE EPIZOOTIOLOGICAL IMPORTANCE OF FOOT-AND-MOUTH DISEASE CARRIERS, I, EXPERIMENTALLY PRODUCED FOOT-AND-MOUTH DISEASE CARRIERS IN SUSCEPTI-BLE AND IMMUNE CATTLE.

P Sutmoller J W McVicar G E Cottral Arch Gesamte Virasforsch 23(3):227-235 REF

Mar 1968 448.3 AR23

Animal vectors, Cattle, Epidemiology, Epizootic diseases, Foot-and-mouth disease, Immunity.

18327-68

THE CONNECTION BETWEEN SUNSPOT CY-CLES AND MASS MORTALITY AMONG VER-TEBRATES AND NON-VERTEBRATES DUE TO PARASITIC ACTIVITY. (GE)

1. Szidat

Z Parasitenk 30(1):1-17 REF

1968 442.8 Z33F

Animal ecology, Epidemiology, Parasitism, Solar disturbances, Trematoda, Weather. English and german abstract

Abstract

18328-68

ELECTRON MICROSCOPY OF BOVINE PAPILLOMA AND DEER FIBROMA VIRUSES. M Tajima D E Gordon C Olson

Amer J Vet Res 29(6):1185-1194 REF

Jun 1968 41.8 AM3A

Bovine papilloma virus, Cattle, Cells, Deer, Electron microscopy, Fibroma, Tissues, Virus diseases (animals).

18329-68

RELATIONSHIP BETWEEN INFECTING DOSE, MUSCLE PARASITISM.AND ANTIBODY RESPONSE IN EXPERIMENTAL TRICHINOSIS IN RABBITS.

C E Tanner

J Parasitol 54(1):98-107 REF

Feb 1968 448.8 1824

Antibodies, Dosage, Larvae, Parasitism, Rabbits, Trichinella spiralis, Trichinosis.

Abstact: The number of parasites obtained in the muscle and the serum antibody titer of the experimental animals were determined. It was found that the degree of muscle parasitism was independent of

LIVESTOCK PROTECTION

18330-68

the size of the infecting dose with one exception, all doses produced same level of parasitism.

18330-68

EPIZOOTIOLOGIC OBSERVATIONS OF CANINE FILARIASIS IN GEORGIA.

J P Thrasher J R Clanton

Amer Vet Med Ass J 152(10) 1517-1520 REF 15 May 1968 41 8 AM3

Animal diseases, Animal ecology, Dipetalonema reconditum, Dirofilaria immitis, Dogs, Eilariasis, Insect vectors, Nematodes, Siphonaptera.

18331-68

THE EFFECT OF TRAUMA ON PRODUCTION OF HERPES INTERFERON IN GUINEA PIGS.

T Tokumaru

Arch Gesamte Virusforsch 21(1):61-70 REF Jul 1967-448.3 AR23

Animal physiology, Guinea pigs, Herpes simplex, Injuries, Interferon.

Abstract

18332-68

COMMON DISEASE PROBLEMS IN LABORATORY ANIMALS.

B F Trum J K Routledge

Amer Vet Med Ass J 151(12):1886-1896 REF 15 Dec 1967 41.8 AM3

Epizootic diseases, Lahoratory animals, Therapeuties.

18333-68

ADMINISTRATION OF GLYCURONIC ACID AND ITS EXCRETION IN DAIRY COWS. (JA.)

J Ushijima R Yuasa

Jap Vet Med Ass J 21(2).79-81 REF 1968 41 9 1275

Cattle, Glycuronic acids, Metabolism, Urine. English abstract

Ahstract

18334-68

THE EFFECT OF DIET ON THE UTILIZATION OF STABLE AND RADIOACTIVE COPPER 1N RUMINANTS,

P A Van Walleghem

Diss Abstr Sect B 29(2):425B-426B

Aug 1968 Z5055.U49D53

Animal physiology, Biochemistry, Copper, Diet, Metaholism, Radioactivity, Ruminants.

18335-68

THE OCCURRENCE OF BACTERIA IN CHRONIC PURULENT EYE DISCHARGE.

M A J Verner J W Gunnink

J Small Anim Proct 9(1):33-36 REF

Jan 1968 41.8 J8292

Bacteria, Cats, Conjunctivitis, Dogs, Eyes. English, french and german abstract

Abstract

18336-68

EXPERIMENTAL BLUETONGUE DISEASE IN WHITE-TAILED DEER,

R A Vosdingh O O Trainer B C Easterday Can J Comp Med Vet Sci 32(1):382-387 REF Jan 1968 41.8 C162

Animal physiology, Antibodies, Bluetongue virus, Deer, Immunity, Sheep, Virus diseases (animals).

Abstract: Clinical signs and lesions of BTV in deer were described. The incubation period, signs and lesions of Bt and epizootic hemorrhagic disease of deer appear to be similar. Neutralizing antihodies were detected in all of the convalescent sera.

18337-68

MIOCHEMICAL AND SEROLOGIC CHARACTERESTICS OF VIBRIO ISOLANTS FROM CATTLE.

A F Walsh F H White

Amer J Vet Res 29(7).1376-1383

Jul 1968 41 8 AM3A

Antigens, Biochemistry, Cattle, Flagella, Serological tests, Vibrio buhulus, Vibrio fetus.

18338-68

PNEUMONIA OF SHEEP IN KENYA, II, PATHOLOGY OF CHRONIC PROGRESSIVE PNEUMONIA.

J G Wandera

Bull Epizoot Dis Afr 15(4).393-407 REF

Dec 1967 41.8 B872

Jaagziekte, Livestock diseases, Pneumonia, Sheep.

8339-68

BIOPHYSICAL STUDIES OF TESCHEN DISEASE VIRUS (TALFAN STRAIN).

R E Warrington

Arch Gesomte Virusforsch 21(1).78-90 REF

Jul 1967 448.3 AR23

Biophysics, Electron microscopy, Properties, Teschen disease virus.

Abstract

18340-68

SOME STUDIES ON THE PATHOGENESIS AND EPIZOOTIOLOGY OF EPIZOOTIC HEMORR-HAGIC DISEASE OF DEER.

A R Wilhelm

Diss Abstr Sect B 28(11):4681B

May 1968 Z5055.U49D53

Antibodies, Antigens, Deer, Epizootic diseases, Hematology, Research, Serological tests, Serum, Virus diseases (animals).

18341-68

THE PENETRATION PATTERNS OF SAL-MONELLA TYPHIMURIUM THROUGH THE OUTER STRUCTURES OF CHICKEN EGGS.

J E Williams L H Dillard G O Hall

Avian Dis 12(3):445-466 REF

Aug 1968 41.8 AV5

Animal discases, Chickens, Cuticle, Eggs, Salmonella typhimurium, Temperature.

18342-68

SOURCES OF SALMONELLAS IN MARKET SWINE.

L P Williams K W Newell

J Hyg 66(2):281-293 REFS

Jun 1968 449.8 J82

Environment, Salmonella, Swine.

Abstract

18343-68

STAINED MONOLAYER TEST: A COLOR TEST IN DISPOSABLE PLASTIC TRAYS FOR TITRATING TRANSMISSIBLE GASTROENTERITIS VIRUS AND NEUTRALIZING ANTIBODIES.

K H Witte B C Easterday

Amer J Vet Res 29(7):1409-1417

Jul 1968 41.8 AM3A

Antibodies, Equipment, Gastroenteritis, Immunity, Infectious diseases, Swine, Viruses, Volumetric analysis.

18344-68

ACUTE INFECTIOUS BOVINE RHINOTRACHEITIS AND SALMONELLOSIS IN A DAIRY HERD.

G T Woods L E Hanson G A Swenson H E Rhoades

Amer Vet Med Ass J 152(10):1530-1535 REF 15 May 1968 41.8 AM3

Abortion, Animal diseases, Dairy cattle, Infectious bovine rhinotracheitis virus, Milk, Mortality, Salmonella typhimurium.

Abstract: Necropsy findings in a cow consisted primarily of ulcerations of the omasum and abomasum.

18345-68

THE INFLUENCE OF THE HOST CELL, IONIC STRENGTH AND CHYMOTRYPSIN ON FOOTAND-MOUTH DISEASE VIRUS ELECTROPHORETIC MOBILITY.

G F V Woude R Trautman H L Bachrach Arch Gesamte Virusforsch 20(1):71-80 REF Feb 1967 448.3 AR23 Biochemistry, Biophysics, Chymotrypsin, Electrophoresis, Foot-and-mouth disease virus.

Ahstract

18346-68

DETECTION OF ANTIBIOTIC-FAST STAPHYLOCOCCI IN OTITIS EXTERNA IN DOGS. (JA)

H Yagi

Jap Vet Med Ass J 21(3).102-106

1968 41.9 J275

Antihiotics, Diagnosis, Dogs, Otitis, Staphylococcus, Therapeutics.

ARTHROPODS

18347-68

FURTHER EVALUATION OF ANIMAL SYSTEMIC INSECTICIDES, 1967.

R O Drummond

J Econ Entomol 61(5):1261-1264 REF

15 Oct 1968 421 J822

Animals, Biochemistry, Cattle, Chemical control (insects), Feed, Hypoderma, Insecticides, Spraying, Tables (data).

18348-68

TICK RESISTANCE IN CATTLE: ITS STABILITY AND CORRELATION WITH VARIOUS GENETIC CHARACTERISTICS.

J Francis G C Ashton

Australian J Exp Biol Med Sci 45(2):131-140 REF

Apr 1967 442.8 AU7

Boophilus microplus, Cattle, Genetics, Ixodides, Surveys.

Abstract

18349-68

HORN FLY CONTROL WITH COUMAPHOS.

M J Janes B W Hayes D W Beardsley

J Econ Entomol 61(5):1176-1178

15 Oct 1968 421 J822

Biochemistry, Cattle, Chemical control (insects), Coumaphos, Haematobia irritans, Insect pests, Insecticide application, Insecticides, Population.

18350-68

NORTHERN FOWL MITE CONTROL ON MATURE TURKEYS ON RANGE.

J L Lancaster J S Simco

J Econ Entornol 61(5):1471-1472

15 Oct 1968 421 J822

Biochemistry, Chemical control (insects), Insecticide application, Mites, Ornithonyssus sylviarum, Research, Spraying, Turkeys.

18351-68

RESISTANCE OF CATTLE TO THE TICK BOOPHILUS MICROPLUS (CANESTRINI). II. STAGES OF THE LIFE CYCLE OF THE PARASITE AGAINST WHICH RESISTANCE IS MANIFEST.

J A Roberts

I Democrate LEAGUANA A 7

J Porositol 54(4):667-673

Aug 1968 448.8 J824 Boophilus microplus, Cattle, Immunity, Injections, Insect morphology, Ixodides, Larvae, Parasitic insects, Population, Time.

18352-6

CATTLE-MOSQUITO STUDY BEGINS IN SOUTH TEXAS.

D P Sanders

Pest Contr 36(6):32.34.46.48

Jun 1968 449.8 EX8

Aedes sollicitans, Cattle, Culicidae, Insect control.

PARASITES

18353-68

EFFECT OF DESICCATION ON SURVIVAL OF

THE FREE-LIVING STAGES OF TRICIIOS-TRONGYLUS COLUBRIFORMIS.

F L Andersen N D Levine

J Parasitol 54(1):117-128 REF

Feb 1968 448.8 1824

Cattle, Defoliants, Larvae, Nematodes, Parasitism, Sheep, Temperature, Trichostrongylus colubriformis.

Abstract: Desiceation of the 3rd stage larvae of T. colubriformis was beneficial to their survival at temperatures below freezing and at 35 and 50 C, but was indifferent effect at intermediate temperatures of 20 and 25C.

8354-68

A NEW TECHNIQUE FOR THE RECOVERY OF FASCIOLA GIGANTICA EGGS FROM CATTLE FAECES.

P K Bitakaramire

Bull Epizoot Dis Afr 15(4):389-391

Dec 1967 41.8 B872

Cattle, Equipment, Fasciola gigantica, Feees, Trematoda.

18355-68

AN ELECTRON MICROSCOPE STUDY OF THE TEGUMENT AND ASSOCIATED STRUCTURES OF THE PROCERCOID OF DIPHYLLOBOTHRIUM LATUM (L.).

T Braten

Z Parasitenk 30(1):95-103

1968 442.8 Z33F

Cestoda, Cytology, Diphyllobothrium latum, Electron microscopes, Epithelium, Morphology. English and german abstract

Abstract

18356-68

THE FINE STRUCTURE OF THE TEGUMENT OF DIPHYLLOBOTHRIUM LATUM (L.). A COMPARISON OF THE PLEROCERCOID AND ADULT STAGES.

T Braten

Z Parasitenk 30(1):104-112

1968 442.8 Z33F

Cytology, Diphyllobothrium latum, Electron microscopy, Epithelium, Histology. English and german abstract

Abstract

18357-68

CHANGES IN THE EFFICACY OF THREE ANTHELMINTICS DURING THE MATURATION OF A NEMATODE (TRICHINELLA SPIRALIS).

W C Campbell R K Hartman

J Parasitol 54(1):112-116

Feb 1968 448.8 J824

Anthelminties, Drugs, Metamorphosis, Methyridine, Nematodes, Pyrantel tartrate, Stomaeh, Tetramisole, Thiazolyl)-henzimidizole, 2-(4-, Triebinella spiralis.

Abstract: The results suggest that the mode of action of thiabendazole against trichinella is fundamentally different from that of the other two compounds, or that the relationship between efficacy and the route of administration of a given drug changes during the maturation phase of trichinella.

18358-68

PATHOLOGICAL CHANGES OF BLOOD DE-PENDING ON SEX AND AGE OF RABBITS EX-PERIMENTALLY INFECTED WITH A SHEEP STRAIN OF STRONGYLOIDES PAPILLOSUS.

L Chomiez

Acta Parasitol Polon 14(15-27):251-263 REF 1966 436 8 AC8

Aging, Blood analysis, Blood cells, Rabbits, Sex, Strongyloides. English and polish abstract

Abstract

18359-68

OBSERVATIONS ON THE EFFECTS OF PYR-VINIUM PAMOATE ON STRONGYLOIDES STERCORALIS. (JAP)

R Doi

Jap J Parasitol 16(1):36-42

Feh 1967 436.8 J27

Aneylostoma caninum, Anthelmintics, Pyrvinium pamoate, Strongyloides. English abstract

Abstract

18360-68

HYDATID LATEX AGGLUTINATION WITH SCOLEX AND CRUDE POLYSACCHARIDE ANTIGENS.

A Fischman J L Allen

Australian J Exp Biol Med Sci 45(2):221-223

Apr 1967 442.8 AU7

Antigens, Cestoda, Echinoeoceosis, Serodiagnosis. Abstract

18361-68

DIAGNOSIS, TREATMENT, AND PREVENTIVE THERAPY FOR HEARTWORMS.

J W Henderson

Amer Vet Med Ass J 151(12):1737-1739

15 Dec 1967 41.8 AM3

Diagnosis, Dirofilaria immitis, Dogs, Therapeuties.

18362-68

DIROFILARIA IMMITIS PARASITIC IN THE SPINAL CAVITY OF A DOG. (JA

K Hongo

Jap Vet Med Ass J 20(9):381

1967 41.9 J275

Animal diseases, Dirofilaria immitis, Dogs, Nematodes.

18363-68

EXPERIMENTAL INFECTION OF GNOTOBIOTIC TENEBRIO MOLITOR AND WHITE RATS WITH HYMENOLEPIS DIMINUTA (CESTODA: CYCLOPHYLLIDEA).

B B Houser W C Burns

J Parasitol 54(1):69-73

Feb 1968 448.8 J824

Autopsies, Benzalkonium ehloride, Germ-free life, Hymenolepis diminuta, Parasitism, Rats, Tenebrio molitor, Tribolium eonfusum.

Abstract: T. molitor eggs were sterilized with zephiran chloride, hatched, and the larvae and adults reared under germ-free conditions.

18364-68

QUANTITATIVE STUDIES ON THE KINETICS OF ESTABLISHMENT AND EXPULSION OF IN-TESTINAL NEMATODE POPULATIONS IN SUSCEPTIBLE AND IMMUNE HOSTS. NIPPOS-TRONGYLUS BRASILIENSIS IN THE RAT.

E E E Jarrett W F H Jarrett G M Urquhart

Parasitology 58(3):625-639 REF

Aug 1968 448.8 P21

Helminthiasis, Immunity, Kineties, Measurement, Nematodes, Nippostrongylus brasiliensis, Population, Quantitative analysis, Rats, Research.

18365-68

STUDIES ON PARASITIC GRANULOMA IN THE DOG. (JAP)

H Kitayama M Ohbayashi H Satoh Y Kitamura Jap J Parasitol 16(1):28-35

Feb 1967 436.8 J27

Dogs, Granuloma, Histology, Nematodes, Toxocara canis. English abstract

Abstract

18366-68

EXPERIMENTAL STUDIES IN MICE ON THE THERAPY OF TRICHINELLOSIS (THIABENDAZOLE, NEGUVON, CORTISONE, AZULEN, SERA). (POL)

Z Kozar M Kozar

Acta Parasitol Polon 14(15-27):133-161 REF 1966 436.8 AC8

Drug therapy, Mice, Therapy, Trichinosis. English and polish abstracts

Abstract

18367-68

THE BLOOD OF RABBITS INFECTED WITH STRONGYLOIDES PAPILLOSUS AFTER 20 SERIAL PASSAGES THROUGH RABBITS.

1 Lewandowska

Acta Parasitol Polon 14(15-27):239-250 REF 1966 436.8 AC8

Biochemistry, Blood analysis, Blood cells, Rabhits, Strongyloides. English and polish abstract

Abstract

18368-68

REARING LAMBS FREE OF GASTROIN-TESTINAL NEMATODES.

M E Mansfield J M Lewis G E McKihhen Amer Vet Med Ass J 151(9):1182-1185 REF 01 Nov 1967 41.8 AM3

Animal husbandry, Lambs, Sheep, Strongyloidiasis.

Abstract: Lambs free of gastrointestinal nematodes were produced from infected-parent stock. Ewes were shorn, and udders washed before lambs nursed. The day-old lambs and their mothers were confined in pens with elevated, slotted floors. The lambs were allowed on pasture at approximately 12 weeks of age. Strongyloid eggs were first observed in lambs when they were approximately 14 months old.

18369-68

LESIONS CAUSED BY THE HEPATIC TRE-MATODE, METORCHIS CONJUNCTUS, COB-BOLD, 1860; A COMPARATIVE STUDY IN CARNIVORA.

J H L Mills R S Hirth

J Small Anim Pract 9(1):1-6 REF

Jan 1968 41.8 J8292

Autopsies, Cats, Dogs, Liver, Metorchis conjunctus, Parasitism, Trematoda, Wildlife. English, german and french abstract

Abstract

18370-68

ON THE METACERCARIA OF PROSTHOGONIMUS PUTSCHKOWSKII IN SYMPETRUM DECOLORATUM (ODONATA: INSECTA) WITH OBSERVATIONS ON ITS DEVELOPMENT IN CHICKS.

G S Mishra B P Pande

Indian J Vet Sci Anim Hash 37(3):156-164 REF Sep 1967 41.8 IN22

Autopsies, Chicks, Metacerearia, Odonata, Prosthogonimus putschkowskii, Sympetrum decoloratum, Trematoda

Abstract

18371-68

HELMINTHIC INFESTATIONS OF PIGLETS WITH REFERENCE TO LESIONS ENCOUNTERED.

G S Mishra B P Pande

Indian J Vet Sci Anim Hash 37(3):143-149 REF Sep 1967 41.8 IN22

Ascaris lumbricoides, Ascarops strongylina, Autopsies, Baby pigs, Cysticereus, Oesophagostomum dentatum, Opisthorchis, Swine.

18372-68

STUDIES ON THE SPRING PHENOMENON IN OVINE HELMINTHIASIS. I. SPRING RISE IN STABLED SHEEP.

B G Procter H C Gibbs

Can J Comp Med Vet Sci 32(1):359-365

Jan 1968 41.8 C162

Haemonchus contortus, Helminthiasis, Larvae, Nematodes, Ova, Parasitism, Sheep.

Abstract: Preparturient treatment of ewes with thiabendazole suppressed spring rise but failed to arrest completely the faecal shedding of nematode ova. Larval studies revealed that H. contortus was the major contribution to the spring rise of faereal on a output.

18373-68

A TEMPERATURE STUDY OF THE OVERWINTERING SITE OF THE SHEEP BOT FLY OESTRUS OVIS L.

LIVESTOCK PROTECTION

C E Rogers F W Knapp D Cook M V Crowe

J Parosnol 54(1) 164-165 Feb 1968 448.8 J824

18374-68

Hibernation, Oestrus ovis, Parasitism, Sheep, Temperature

Abstract Investigations of the overwintering habits of the sheep bot fly necessitated obtaining data on temp of the nasal passages and sinuses. Temperatures of the nasal passage varied directly with the depth at which the readings were taken and with the atmospheric temperatures.

18374-68

ANTHELMINTHIC ACTIVITY OF SOME CARBAMATE DERIVATIVES. (SP)

F Sanz R Jurado A Moral A Relimpio Rev Iberica Parasitol 26(4),353-359 REF Oct 1966 436.8 R32

Anthelminties, Carbamates, Drug therapy, Guinea pigs, Helminths, Mice, Rats. English and spanish abstract

Abstract

18375-68

PARASITIC DEVELOPMENT OF OBELISCOIDES CUNICULI IN RABBITS.

A E Sollod T J Hayes E J L Soulsby J Parasital 54(1):129-132 REF Feb 1968 448.8 J824

Larvae, Metamorphosis, Nematodes, Obeliscoides cuniculi, Parasitism, Rabbits, Stomach, Trichostrongylosis.

Abstract: Studies on development of O, cuniculi infections in New Zealand white rabbits showed that the 2nd ecdysis was complete within 1 hr. of infection and the parasitic 3rd stage larvae penetrated into the gastric mucosa within 24 hours. Simularities between the parasitic development of other trichostrongyles and O, cuniculi are discussed.

18376-68

HELMINTHS AS VEHICLES AND SYNERGISTS OF MICROBIAL INFECTIONS.

A W Woodruff

Roy Soc Trop Med Hyg Trans 62(3):446-452 REF 1968 448.9 R813

Ascariasis, Encephalomyocarditis, Epidemiology, Escherichia coli, Helminthiasis, Hog cholera, Human diseases, Infectious diseases, Medicine, Parasitism, Poliomyelitis, Rats, Strongyloides stercoralis, Swine influenza virus, Toxocara canis, Trichinella spiralis.

COMMODITY PROTECTION

STORAGE DISEASES

18377-68

FUNGI IN STORED PRODUCTS.

J H Clarke

Trop Stored Prod Inform 15:3-14 REF

1968 421 T752

Aflatoxin, Agricultural products, Aspergillus, Fungi, Grain, Methodology, Microorganisms, Mycology, Mycotoxicosis, Penicillium, Storage discases, Temperature.

ARTHROPODS

18378-68

PROPOSED FEDERAL FORMOSAN TERMITE QUARANTINE SAFEGUARDS. BUYER, SELLER.

G G Rohwer

Pest Contr 36(2):29,31

Feb 1968 449.8 EX8

Coptotermes formosanus, Household insects, Insect control, Lumber, Quarantine, Soils, Termites, Timber.

RODENTS AND OTHER PESTS

18379-68

ISOLATION AND PURIFICATION OF METABOLITES FOUND IN THE URINE OF MALE RATS FED ALDRIN AND DIELDRIN,

A K Klein J D Link N F Ives

Ass Offic Anol Chem J 51(4):895-898

Jul 1968 381 AS7

Aldrin, Dieldrin, Metabolites, Rats, Research, Sterilization, Urine.

18380-68

A METHOD FOR EVALUATION OF VACCINES CONTAINING PASTEURELLA MULTOCIDA.

E E Ose O A Muenster

Amer J Vet Res 29(9):1863-1866

Sep 1968 41.8 AM3A

Animal diseases, Antibodies, Antigens, Cattle, Immunity, Immunization, Lethal factors, Mice, Pasteurella multocida, Vaccines.

18381-68

ON THE DEVELOPMENT OF CYSTICERCUS FASCIOLARIS IN ALBINO RAT LIVER AND ITS REACTION ON THE HOST TISSUE.

B B Singh B V Rao

Ceylon Vet J 15(4):121-129 REF

Dec 1968 41.8 C33

Animal diseases, Animal histology, Blood, Cells, Cysts, Cytoplasm, Larvae, Morphology, Research.

18382-68

EFFECT OF RATION MODIFICATIONS ON AFLATOXICOSIS IN THE RAT.

G C Todd W T Shalkop K L Dooley H G Wiseman

Amer J Vet Res 29(9):1855-1861 REF

Sep 1968 41.8 AM3A

Aflatoxicosis, Animal physiology, Antibiotics, Carbohydrates, Cells, Cytoplasm, Histology, Rats, Vitamins.

MICROBIAL CONTAMINATION

18383-68

ESTIMATION OF RADIATION RESISTANCE VALUES OF MICROORGANISMS IN FOOD PRODUCTS.

A Anellis S Werkowski

Appl Microbiol 16(9):1300-1308 REF

Sep 1968 448.3 AP5

Clostridium botulinum, Dosage, Food, Immunity, Kinetics, Microbiology, Microorganisms, Radiation, Statistical methods.

18384-68

DEGRADATION OF DIAZINON BY SYNER-GISTIC MICROBIAL ACTION.

H B Gunner B M Zuckerman

Nature 217(5134):1183-1184

23 Mar 1968 472 N21

Arthrobaeter, Biochemistry, Carbon isotopes, Chemical reactions, Diazinon, Insecticides, Metabolism, Microbiology, Microorganisms, Streptomyces.

ENVIRONMENTAL CONTAMINATION

18385-68

PREVENTING FISH AND WILDLIFE LOSSES. E.G. Hunt

Aerial Appl 5(11):4-6

Nov 1967 333.8 AE8

Fish conservation, Pesticide application, Pesticide residues, Wildlife conservation.

RESIDUES

18386-68

THE EFFECT OF ENVIRONMENTAL AND BIOLOGICAL FACTORS ON THE PERSISTENCE OF MALATHHON APPLIED IN LOW VOLUME TECHNICAL AND EMULSIFIABLE CONCENTRATE FORMS TO COTTON PLANTS.

T M Awad

Diss Abstr Sect B 29(2):644B

Aug 1968 Z5055.U49D53

Biology, Cotton, Environment, Insecticides, Malathion, Pesticide residues.

18387-68

DETERGENTS.

S K Banerji

Water Pollut Contr Fed J 40(6):939-948 REF Jun 1968 293.8 SE8

Algae, Detergents, Fish, Rats, Water pollution, Water treatment.

18388-68

NOTICE OF FILING OF PETITION REGARDING PESTICIDE CHEMICALS.

R E Duggan

Fed Regist 33(173):12588

05 Sep 1968 L1.451

Agricultural chemistry, Alfalfa, Hay, Insecticide residues, Phorate.

18389-68

COMPARATIVE CS-137 CONTENT OF AGRICULTURAL CROPS GROWN IN A CONTAMINATED SOIL.

E D Evans A J Dekker

Can J Plont Sci 48(2):183-188

Mar 1968 450 C16

Cesium isotopes, Field crops, Forage plants, Grain, Grasses, Plant contamination, Radioactive contamination, Soil contamination, Sugar beets, Vegetables.

18390-68

EFFECTS ON GROUDWATER. MUNICIPAL SOURCES.

B B Ewing L S Lau

Water Pollut Contr Fed J 40(6):1075-1081 REF Jun 1968 293.8 SE8

Detergents, Industry, Insecticides, Saline water, Water analysis, Water pollution, Water supply.

18391-68

RESPONSE OF EARLY-WEANED PIGS TO AMINO ACID SUPPLEMENTATION OF CORN DIETS.

J T Gallo W G Pond J V Logomarsino J Anim Sci 27(4):1000-1005 REF

Jul 1968 49 J82 Acids, Amino acids, Biology, Corn, Swine, Weaning

18392-68

MICROBIOLOGY, GASTROINTESTINAL OUTBREAKS.

E E Geldreich

Water Pollut Contr Fed J 40(6):1052-1068 REF Jun 1968 293.8 SE8

Bacteria, Epidemiology, Gastroenteritis, Gastrointestinal system, Human diseases, Microbiology, Viruses, Water pollution.

18393-68

DETOXIFICATION OF PESTICIDAL RESIDUES IN FISH AND SHELLFISH.

A B Hallab

Diss Abstr Sect B 29(2):649B

Aug 1968 Z5055.U49D53

Fish, Pesticide residues, Shellfish, Toxicology.

18394-68

EFFECTS ON MICROFAUNA - FRESHWATER. L D Jensen

Woter Pollut Contr Fed J 40(6):1042-1047 Jun 1968 293.8 SE8 Aquatic animals, Ecology, Streams, Water, Water

18395-68

WATER POLLUTION, EFFECTS OF POLLUTION ON FISH LIFE, GENERAL ASPECTS OF WATER POLLUTION BIOLOGY.

M Katz A K Sparks G I. Pederson C E Woelke J Woodey

Water Pollut Contr Fed J 40(6):1007-1033 REF Jun 1968 293.8 SE8

Biology, Detergents, Fish, Metals, Pesticides, Temperature, Water analysis, Water pollution.

TOLERANCES AND EXEMPTIONS FROM TOLERANCES FOR PESTICIDE CHEMICALS IN OR ON RAW AGRICULTURAL COMMODI-TIES, DIURON.

J K Kirk

Fed Regist 33(128):9609

02 Jul 1968 L1.451

Chemicals, Diuron, Food plants, Herbicides, Pesticide residues.

18397-68

TOLERANCES AND EXEMPTIONS FROM TOLERANCES FOR PESTICIDE CHEMICALS IN OR ON RAW AGRICULTURAL COMMODI-TIES. ALPHANAPHTHALENEACETIC ACID.

J K Kirk

Fed Regist 33(128):9609-9610

02 Jul 1968 L1.451

Chemicals, Food plants, Naphthaleneacetic acid, Pesticide residues, Pesticides, Plant regulators.

TOLERANCES AND EXEMPTIONS FROM TOLERANCES FOR PESTICIDE CHEMICALS IN OR ON RAW AGRICULTURAL COMMODI-TIES. TRIFLURALIN.

J K Kirk

Fed Regist 33(128):9610

02 Jul 1968 L1.451

Chemicals, Food plants, Herbicides, Pesticide residues, Trifluralin.

18399-68

TOLERANCES AND EXEMPTIONS FROM TOLERANCES FOR PESTICIDE CHEMICALS IN OR ON RAW AGRICULTURAL COMMODITIES. ETHYL 4,4'-DICHLOROBENZILATE.

Fed Regist 33(130,PT.1):9707-9708

04 Jul 1968 I 1 451

Chemicals, Chlorobenzilate, Food plants, Pesticide residues, Pesticides.

18400-68

NIAGARA NIA-10242 INSECTICIDE RESIDUES: PERSISTENCE THEIR IN COASTAL BERMUDAGRASS, CORN, AND SILAGES, AND THEIR EFFECT, FED IN SILAGE, ON LACTATING COWS.

D B Leuck M C Bowman J C Johnson E W Beck R S Lowery

J Econ Entomol 61(5):1349-1352 REF

15 Oct 1968 421 J822

Biochemistry, Cattle, Corn, Cynodon dactylon, Dihydro-2,2-dimethyl-7-benzofuranyl methylcarbamate, 2,3-, Feed, Insecticide residues, Milk analysis, Silage, Tables (data).

18401-68

INSECTICIDE RESIDUES IN PEST CONTROL.

L Lykken

Agr Chem 23(8):18-20,22

Aug 1968 381 AG8

Accident prevention, Animals, Biochemistry, Chemical control (pests), Decomposition, Immunity, Insecticide residues, Insecticides, Plant hardiness, Plants, Public health, Time.

MACROINVERTEBRATES, FRESH WATER,

K M Mackenthun L E Keup

Water Pollut Contr Fed J 40(6):1033-1042 REF Jun 1968 293.8 SE8

Environment, Invertebrates, Pesticides, Radioactivity, Water, Water pollution.

18403-68

RESIDUES OF DIAZINON, COUMAPHOS, CIODRIN, CIODRIN, METHOXYCHLOR, AND ROTENONE IN COW'S MILK FROM TREAT-MENTS SIMILAR TO THOSE USED FOR EC-TOPARASITE AND FLY CONTROL ON DAIRY CATTLE, WITH NOTES ON SAFETY OF DIAZINON AND CIODRIN TO CALVES,

J G Matthysse D Lisk

J Econ Entomol 61(5):1394-1398 REF

15 Oct 1968 421 J822

Accident prevention, Biochemistry, Chemical control (insects), Ciodrin, Coumaphos, Dairy cattle, Diazinon, Insecticide application, Insecticide residues, Methoxychlor, Milk analysis, Research, Rotenone.

18404-68

AGRICULTURAL (LIVESTOCK) WASTES.

Water Pollut Contr Fed J 40(6):1150-1158 REF Jun 1968 293.8 SE8

Bacteria, Cattle, Fertilizers, Livestock, Poultry, Water pollution. Fertilizers. Laboratories.

ANAEROBIC PROCESSES. MICROBIOLOGY AND MECHANISM.

F G Pohland

Water Pollut Contr Fed J 40(6):948-955 REF Jun 1968 293.8 SE8

Anaerobic bacteria, Kinetics. Mechanics, Microbiology, Water, Water pollution.

NOTE ON THE DETERMINATION OF CAR-BARYL RESIDUES IN HEN SKIN.

E W Pol

Ass Offic Anal Chem J 51(4):901

Jul 1968 381 AS7

Anoplura, Carbaryl, Chickens, Dimethyl sulfoxide, Extracts, Hexane, Insecticides, Methylene chloride, Skin.

18407-68

OXYGEN SAG AND STREAM SELF-PURIFICA-TION.

E C Tsivoglov R E DeLoach

Water Pollut Contr Fed J 40(6):1068-1071 REF Jun 1968 293.8 SE8

Streams, Temperature, Water pollution, Water treatment.

18408-68

ANALYTICAL PROBLEMS: MERCURY IN THE GENERAL ENVIRONMENT.

G Widmark

Oikos (SUP.9):9-10

1967 410 OI4

Assay, Chromatography, Environment, Fungicides, Inorganic compounds, Mercury, Metabolites, Pesticide residues, Research.

TOXICOLOGY

18409-68

STUDIES ON THE LABORATORY SOILING OF MILKING EQUIPMENT.

B Bacic C M Cousins L F L Clegg

J Dairy Res 35(2):247-256 Jun 1968 44.8 J823

Antiseptics, Bacteria, Equipment, Laboratories,

THE TOXICITY AND DISTRIBUTION OF MER-CURY.

H Berlin

Oikos (SUP.9):25-26

1967 410 OI4

Absorption, Autoradiography, Food, Hygiene, Mercury, Mercury compounds, Methodology, Mice, Research, Surveys, Toxicology.

SWEDISH STUDIES OF GAME THAT HAD BEEN FOUND DEAD AS WELL AS SPECIMENS THAT HAD BEEN SHOT.

K Borg

Oikos (SUP.9):38

1967 410 OI4

Biochemistry, Forestry, Game Poisoning, Agriculture, animals, Mercury compound Research, Seeds, Wildlife diseases.

PYRROLIZIDINE ALKALOID POISONING IN CALVES.

M E Fowler

Amer Vet Med Ass J 152(8):1131-1137 REF 15 Apr 1968 41.8 AM3

Alfalfa, Alkaloids, Amsinckia intermedia, Dairy cattle, Feed, Fibrosis, Liver, Mortality, Pyrrolizidine, Senecio vulgaris, Toxicology

MANGANESE TOXICITY IN CELERY.

P A Gallagher

Nature 216(5113):391-392

28 Oct 1967 472 N21

Aluminum, Celery, Hydrogen-ion concentration, Leaves, Manganese, Plant growth inhibitors, Plant physiology, Soil series, Toxicology.

18414-68

TOXIC **BLUE-GREEN** ALGAE IN SASKATCHEWAN.

U T Hammer

Can Vet J 9(10):221-229 REF

Oct 1968 41.8 R3224

Algae, Aquatic birds, Cyanophyta, Fish, Poisoning, Wildlife. French summary

ON THE PRINCIPAL WAY OF ATTACK OF ROTENONE IN FISH.

K-e Oberg

Arkiv Zool 18(3-4):217-220 REF

1967 410.9 SV22

Animal physiology, Biochemistry, Fish, Rotenone, Toxicology.

18416-68

ISOLATION OF A NEW TOXIN FROM CUL-TURES OF ASPERGILLUS FLAVUS.

J V Rodricks A D Campbell M J Verrett K R Henery-Logan

Nature 217(5129):668

17 Feb 1968 472 N21

Aflatoxin, Aspergillus flavus, Chick embryos, Culture media, Infrared spectra, Injections, Metabolites, Research, Toxins.

18417-68

TOXIC EFFECTS OF ODOROUS TRACE OR-GANICS.

J W Smith S G Grigoropoulos

Amer Water Works Ass J 60(8):969-979 REF Aug 1968 292.9 AM32J

Fish, Odors, Organic compounds, Pesticides, Toxicology, Water analysis, Water pollution.

18418-68

THE TOXICOLOGY OF DIFFERENT ORGANO-MERCURIALS USED AS FUNGICIDES.

A Swensson

Oikos (SUP.9):27-29

1967 410 Ol4

Adsorption, Biochemistry, Fungicides, Mammals, Mercury compounds, Poisoning, Toxicology.

MORPHOLOGICAL AND PHYSIOLOGICAL ASPECTS OF SPOROGONY AND OOCYST VIA-BILITY IN THE PROTOZOAN PARASITES EIMERIA TENELLA AND EIMERIA STIEDAE (COCCIDIA).

TOXICOLOGY

18420-68

G E Wagenbach

Diss Abstr Sect B 28(11):4809B

May 1968 Z5055.U49D53

Chickens, Deoxyribonucleic acid, Eimeria stiedae, Eimeria tenella, Insect physiology, Rabbits, Ribonucleic acid, Sodium hypochlorite

A REVIEW OF DRUG TOXICITY IN THE CAT.

G T Wilkinson

J Small Anim Pract 9(1):21-32 REF

Jan 1968 41.8 J8292

Benzyl benzoate, Cats, Chlorinated hydrocarbons, Drug therapy, Organophosphorus compounds, Rotenone, Toxicology. English, german and french abstract

Abstract

18421-68

EFFECTS OF PLANT GROWTH REGULATORS AND OTHER COMPOUNDS ON FLOW OF LATEX IN HEVEA BRASILIENSIS.

P D Abraham S G Boatman G E Blackman R G

Ann Appl Biol 62(1):159-173 REF

Aug 1968 442.8 AN72

Biochemistry, Chemicals, Hevca brasiliensis, Latex, Plant physiology, Plant regulators.

18422-68

EFFECT OF CULTURE FILTRATES OF PSEU-DOMONAS PHASEOLICOLA ON GROWTH OF EXCISED ROOTS AND CALLUS TISSUE CULTURES OF BEAN. (ABSTRACT).

Y P S Bajaj A W Saettler

Phytopathology 58(8):1041-1042

Aug 1968 464.8 P56

Beans, Biochemistry, Culture media, Filters, Plant physiology, Pseudomonas phaseolicola, Roots, Tissues

18423-68

THE SELECTIVITY AND ACTIVITY OF STRIAZINE HERBICIDES IN BANANA PLANTS. R C Barba

Diss Abstr Sect B 29(2):431B-432B

Aug 1968 Z5055.U49D53

Bananas, Biochemistry, Plant physiology, Plant translocation, S-triazinc.

18424-68

INFLUENCE OF MICRO-ORGANISMS ON THE DISTRIBUTION IN ROOTS OF PHOSPHATE LABELLED WITH PHOSPHORUS-32.

D A Barber J Sanderson R S Russell

Noture 217(5129):644

17 Feb 1968 472 N21

Autoradiography, Biochemistry, Ions, Microorganisms, Phosphates, Phosphorus isotopes, Plant diseases, Plant translocation, Roots.

18425-68

EFFECT OF THIRAM UPON GLUCOSE CATABOLISM BY FUSARIUM OXYSPORUM. (ABSTRACT).

JJ Bates B G Tweedy

Phytopathology 58(8):1042

Aug 1968 464.8 P56

Biochemistry, Fungi, Fusarium oxysporum, Glucosc, Metabolism, Plant physiology, Thiram.

18426-68

INTERACTION OF GROWTH REGULATORS IN THE SENESCENCE OF NASTURTIUM LEAF DISKS.

L Beevers F S Guernsey

Nature 214(5091):941-942

27 May 1967 472 N21

Biochemistry, Gibberellic acid, Kinetin, Leaves, Plant hormones, Plant physiology, Plant regulators, Research, Ribonucleic acid, Trapaeolum majus.

PECTOLYTIC ENZYME PRODUCTION BY PHYMATOTRICHUM OMNIVORUM, (AB-STRACT),

H S Black

Phytopathology 58(8):1044

Aug 1968 464.8 P56

Fungi, Phymatotrichum omnivorum, Plant enzymes, Plant physiology

18428-68

INORGANIC COMPOSITION AND MICROSCO-PY OF CITRUS ROOTS GROWN UNDER SEVERAL COPPER AND SOIL AMENDMENT CONDITIONS.

E A Brams

Diss Abstr Sect B 29(1):12B-13B

Jul 1968 Z5055.U49D53

Chemicals, Citrus, Copper, Inorganic compounds, Morphology, Plant translocation, Roots, Soils, Tissues, Xylem.

18429-68

GERMINATION OF FOMES APPLANATUS BASIDIOSPORES. (ABSTRACT).

T S Jr. Brown

Phytopothology 58(8):1044

Aug 1968 464.8 P56

Fomes applanatus, Plant physiology, Seed germination, Sporcs.

18430-68

AUXIN EFFECTS ON THE ACTIVITY OF PECTINTRANSELIMINASE IN VITRO.

T A Bull

Phytochemistry 7(2):209-211

Fcb 1968 450 P5622

Assay, Culture media, Pectin transcliminase, Plant growth inhibitors, Plant hormones, Plant metabol-

18431-68

EFFECT OF ANAEROBIOSIS ON GERMINA-TION AND VIABILITY OF RHI STOLONIFER SPORANGIOSPORES. RHIZOPUS (AB-STRACT).

J Bussel P M Buckley N F Sommer

Phytopathology 58(8):1046

Aug 1968 464.8 P56

Anaerobic bacteria, Plant physiology, Rhizopus stolonifer, Seed germination, Spores.

18432-68

AUXOTROPHIC MUTANTS OF PHYTOPHTHORA SPECIES. (ABSTRACT).

J Castro G A Zentmyer W L Belser

Phytopathology 58(8):1046

Aug 1968 464.8 P56

Mutations, Fungi, Phytophthora capsici, Phytophthora drechsleri, Plant physiology.

LABORATORY TESTS **FUNGICIDES** OF AGAINST PERO (PERS, EX, FR.) FR. PERONOSPORA **PARASITICA**

A G Channon R J Hampson Ann Appl Biol 62(1):23-33 REF

Aug 1968 442.8 AN72

Biochemistry, Fungicides.

Peronospora parasitica, Research.

18434-68

THE EFFECT OF SPECIES OF ALLIUM ON SOIL BACTERIA IN RELATION TO GERMINA SCLEROTIA OF SCLEROTIUM CEPIVORUM BERK.

J R Coley-Smith D J Dickinson J E King R W Holt

Ann Appl Biol 62(1):103-111 REF

Aug 1968 442.8 AN72

Allium, Antibiotics, Bacterial diseases (plants), Plant biochemistry, Plant extracts, Sclerotium cepivorum, Soil bacteria.

18435-68

DISPERSAL PATTERNS OF MONILINIA LAXA SPORES IN PEACH, PRUNE, APRICOT, AND ALMOND TREES DURING EARLY SPRING. (ABSTRACT).

J B Corbin

Phytopathology 58(8):1047

Aug 1968 464.8 P56

Almonds, Apricots, Monilinia laxa, Peaches, Prunes, Seed dissemination, Spores, Temperature, Trees.

18436-68

EFFECT OF TEMPERATURE ON GERMINA-TION OF PODOSPHAERA LEUCOTRICIIA CONIDIA. (ABSTRACT).

D L Covier

Phytopathology 58(8):1047-1048

Aug 1968 464.8 P56

Fungus diseases (plants), Podosphacra leucotricha, Sced germination, Temperature.

18437-68

PLANT GROWTII REGULATIONS IN DI-TYLENCHUS DIPSACI, DITYLENCHUS TRIFORMIS AND HOST TISSUES.

H G Cutler

Diss Abstr Sect B 28(11):4445B

May 1968 Z5055.U49D53

Biochemistry, Chloroform, Chromatography, Ditylenchus dipsaci, Ditylenchus triformis, Extracts, Infrared spectra, Methanol, Plant physiology, Plant regulators, Tissues. The hosts were: Pyrenochaeta terrestris and Medicago sativa. No growth promoting substances were detected in turbatrix aceti.

18438-68

CHARACTERISTICS OF A SEASONAL POPU-LATION OF AIRBORNE FOMES FOMEN-TARIUS BASIDIOSPORES. (ABSTRACT).

R C DeGroot J L Prentice

Phytopathology 58(8):1048

Aug 1968 464.8 P56

Basidiospores, Fomes fomentarius, Plant physiology, Population statistics, Properties, Reproduction.

18439-68

IDENTIFICATION OF XANTHOMONAS SPE-CIES BY ACRYLAMIDE-GEL DISC ELECTROPHORESIS OF SOLUBLE BACTERIAL PROTEINS. (ABSTRACT).

T A El-Sharkawy D Huisingh

Phytopothology 58(8):1049

Aug 1968 464.8 P56

Acrylamide, Bacteria, Electrophoresis, Gels, Plant biochemistry, Proteins, Xanthomonas.

18440-68

USE OF FLUORESCENT BRIGHTENER AS AID TO STUDIES OF FUNGISTASIS AND NE-MATOPHAGOUS FUNGI IN SOIL,

J Eren D Pramer

Phytopathology 58(5):644-646 REF

May 1968 464.8 P56

Arthrobotrys conoides, Fluorescent dyes, Nematodes, Soil fungi.

SWEDISH RESTRICTIONS CONCERNING THE USE OF MERCURY COMPOUNDS FOR SEED DISINFECTION.

H Esbo

Laboratories,

Oikos (SUP.9):18

1968 410 O14

Antiseptics, Biochemistry, Drug therapy, Mercury compounds, Seed-borne plant diseases, Seedlings.

EFFECT OF FUNGAL ESTROGEN F-2 ON THE PRODUCTION OF PERITHECIA BY FUSARI-UM ROSEUM GRAMINEARUM', (ABSTRACT),

C P Eugenio Phytopathology 58(8):1049-1050

Aug 1968 464.8 P56 Culture media, Estrogens, Fungi, Fusarium roseum, Perithecia, Plant physiology.

THE INTERRELATIONSHIPS OF RHIZOC-TONIA SOLANI AND HELMINTHOSPORIUM VAGANS, NITROGEN, AND VARIETY ON AL-KALOIDS IN FESTUCA ARUNDINACEA. (AB-STRACT).

C E Gentry L Henson R A Chapman

Phytopathology 58(8):1051

Aug 1968 464.8 P56

Alkaloids, Biochemistry, Festuca arundinaeea, Helminthosporium vagans, Nitrogen, Rhizoctonia solani.

18444-68

DISC ELECTROPHORESIS OF SONIC EX-TRACTS OF FIVE PHYTOPATHOGENIC BAC-TERIA. (ABSTRACT).

H S Gill M N Khare

Phytopathology 58(8):1051-1052

Aug 1968 464.8 P56

Bacteria, Biochemistry, Electrophoresis, Erwinia, Plant extracts, Xanthomonas.

EXTENT OF ASPERGILLUS FLAVUS AND FUSARIUM OXYSPORUM GERMINATION IN SOIL AND IN THE RHIZOSPHERE OF PE-ANUT. (ABSTRACT).

G J Griffin

Phytopathology 58(8):1052

Aug 1968 464.8 P56

Aspergillus flavus, Fusarium oxysporum, Peanuts, Plant physiology, Rhizosphere, Seed germination, Spores.

18446-68

INDUCTION OF FLORAL HYPERSEXUALITY IN IBERIS AMARA L. (CRUCIFERES) IN-FLUENCED BY 2,4-DICHLOROPHENOX-YACETIC ACID. (FR

M-C Guiet

Acad Sci Compt Rend Ser D Sci Nat 265(20):1475-1484

13 Nov 1967 505 P21

Cruciferae, D, 2,4-, Plant biochemistry, Plant morphology, Plant reproduction. French summary

18447-68

ELECTRON MICROSCOPIC STUDIES OF THE NERVOUS SYSTEM OF TRICHODORUS CHRISTIEI (ABSTRACT).

H Hirumi T Chen

Phytopathology 58(8):1053

Aug 1968 464.8 P56

Electron microscopes, Nervous system, Plant physiology, Research, Trichodorus christiei.

18448-68

EFFECT OF DEFOLIANTS ON CAR-BOHYDRATE AND NITROGEN METABOLISM IN COTTEN PLANT LEAVES. (RUS)

A I Imamaliev P K Baretas M I Rizajeva

Fiziol Rast 15(1):74-83 REF

Jan 1968 450 F58

Carbohydrates, Cotton. Decomposition. Defoliants, Leaves, Nitrogen, Plant metabolism. **English summary**

18449-68

COMPARISON OF THE EFFECTS OF GIB-BERELLIC ACID AND AFLATOXIN IN GER-MINATING SEEDS.

H C Jones H S Black A M Altschul

Nature 214(5084):171-172 REF

08 Apr 1967 472 N21

Aflatoxin, Cotton, Deoxyribonucleic acid, Gibberellic acid, Ribonucleic acid, Secd germination, Seeds.

18450-68

SURVIVAL AND GROWTH OF FOMES AN-NOSUS AT HIGH CONCENTRATIONS OF BORAX. (ABSTRACT).

J W Koenigs

Phytopathology 58(8):1056

Aug 1968 464.8 P56

Agar, Biochemistry, Borax, Fomes annosus, Plant hardiness, Plant physiology.

18451-68

RED PINE MEEDLE STRUCTURE.

S L Krugman N B Critchfield

Nature 217(5129):685-686

17 Feb 1968 472 N21

Biochemistry, Greenhouse culture, Herbicides, Leaves, Pinus resinosa, Plant anatomy, Plant physiology, Seedlings. In relation to response to herbicides

18452-68

TELIOSPORE GERMINATION OF PUCCINIA RECONDITA F. SP. TRITICI (ABSTRACT).

T A Kucharek H C Jr. Young

Phytopathology 58(8):1056

Aug 1968 464.8 P56

Fungus diseases (plants), Plant physiology, Puccinia recondita, Seed germination, Teliospores, Wheat

ACTIVE UPTAKE OF HELMINTHOSPORIUM CARBONUM TOXIN AND ITS EFFECT ON CO2 DARK FIXATION BY CORN. (ABSTRACT).

M S Kuo R P Scheffer

Phytopathology 58(8):1056

Aug 1968 464.8 P56

dioxide, Corn, Hel-Absorption, Carbon minthosporium carbonum, Metabolism, physiology, Plant translocation, Toxicology.

PHOSPHORUS CONTENT DURING DEVELOP-MENT OF CLAVICEPS PURPUREA.

J Kybal J Majer I Komersova W D Wani Phytopathology 58(5):647-650 REF

May 1968 464.8 P56

Claviceps purpurea, Fungi, Phosphorus, Poisonous fungi.

18455-68

SPORULATION OF CEPHALOSPORIUM GREGATUM ON NATURALLY INFESTED SOYBEAN STRAW. (ABSTRACT).

P Y Lai J M Dunleavy

Phytopathology 58(8):1056-1057

Aug 1968 464.8 P56

Cephalosporium gregatum, Plant physiology, Seed germination, Soybeans, Spores, Straw

18456-68

A BIOCHEMICAL ROLE FOR BORON.

S G Lee

Diss Abstr Sect B 29(1):45B

Jul 1968 Z5055.U49D53

Biochemistry, Boron, Electrophoresis, Enzymes, Leaves, Plant metabolism, Sunflowers.

LOCATION OF UNIQUE SEQUENCES IN TOBACCO MOSAIC VIRUS RIBONUCLEIC ACID.

S Mandeles

J Biol Chem 243(13):3671-3674 REF

10 Jul 1968 381 1824

Dodccyl sodium sulfate, Mosaic (tobacco), Plant biochemistry, Proteins, Ribonucleic acid, Tobacco, Virus diseases (plants).

18458-68

ELECTRON MICROGRAPHS OF RHIZOPUS STOLONIFER SPORANCIOSPORES JECTED TO CHILLING. (ABSTRACT). SUB-

T T Matsumoto P M Buckley N F Sommer

Phytopathology 58(8):1059

Aug 1968 464.8 P56

Culture media, Electron microscopes, Plant physiology, Rhizopus stolonifer, Temperaturc.

OXALATE BIOSYNTHESIS AND PATHWAYS FOR GLUCOSE CATABOLISM IN SCLEROTI-UM ROLFSII SACC.

D - Maxwell

Diss Abstr Sect B 29(2):443B

Aug 1968 Z5055.U49D53

Biochemistry, Glucosc, Metabolism, Oxalates, Plant physiology, Sclerotium rolfsii.

OXALIC ACID BIOSYNTHESIS BY SCLEROTI-UM ROLFSII. (ABSTRACT).

D P Maxwell D F Bateman Phytopathology 58(8):1059

Aug 1968 464.8 P56

Biochemistry, Oxalic acid, Plant physiology, Sclerotium rolfsii.

18461-68

TEMPERATURE EFFECTS ON PLEUROTUS OSTREATUS SPORE PRODUCTION (AB-STRACT).

F I McCraeken

Phytopathology 58(8):1059

Aug 1968 464.8 P56

Plant physiology, Pleurotus ostreatus, Reproduction, Spores, Temperature.

LIGHT STIMULATED BIOSYNTHESIS OF GIB-BERELLINS IN FUSARIUM MONILIFORME.

D Mertz W Henson

Nature 214(5090):844-846

20 May 1967 472 N21

Biochemistry, Chromatography, Culture media, Extracts, Fungi, Fusarium moniliforme, Gibberel-lins, Light, Metabolism, Research, Tables (data).

PHYSIOLOGY OF GERMINATION OF CHLA-MYDOSPORES OF PHYTOPHTHORA CIN-NAMOMI.

S M Mircctich G A Zentmyer J B Kendrick Phytopathology 58(5):666-671 REF

May 1968 464.8 P56

Chlamydospores, Fungi, Nutrition, Phytophthora cinnamoni, Spore germination.

EFFECT OF CALCIUM AVAILABILITY ON AL-FALFA GROWN IN CALCAREOUS HIGH SODIUM SOILS.

H I Nightingale

Diss Abstr Sect B 29(1):1B-2B

Jul 1968 Z5055.U49D53

Alfalfa, Calcium, Chemicals, Extracts, Leaves, Nutrient solutions (plants), Roots, Sodium, Soils.

CHROMOSOMAL ALTERNATIONS IN PEARL MILLET INDUCED BY GAMMARAYS.

J V Pantulu

Nature 213(5071):101-102

07 Jan 1967 472 N21

Chromosomes, Gamma rays, Meiosis, Pearlmillet, Plant genetics, Plant mutation, Pollen.

A PHYSIOLOGIC-GENETIC STUDY OF THE DIFFERENTIAL RESPONSE OF NAVY BEANS (PHASEOLUS VULGARIS L.) TO ZINC.

Diss Abstr Sect B 29(2):450B-451B

Aug 1968 Z5055.U49D53

Biochemistry, Genetics, Kidney beans, Plant physiology, Research, Zinc.

WOUND-INDUCED GIBBERELLINS.

L Rappaport M Sachs

Nature 214(5093):1149-1150

10 Jun 1968 472 N2I

Autoradiography, Biochemistry, Biological assay, Deoxyribonuclcic acid, Gibberellins, Metabolism, Nucleic acids, Plant injuries, Potatoes, Ribonucleic acid.

RED LIGHT INDUCTION OF GIBBERELLIN SYNTHESIS IN LEAVES.

D M Reid J B Clements D J Carr

Nature 217(5128):580-582 REF

10 Feb 1968 472 N21 Barley, Biochemistry, Gibberellic acid, Irradiation, Leaves, Light, Metabolism, Photoperiodism, Time.

STUDIES ON THE FUNGITOXICITY OF CAP-TAN. VI. DECOMPOSITION OF 35S-LABELLED CAPTAN BY NEUROSPORA CRAS-SA CONIDIA.

D V Richmond E Somers

Ann Appl Biol 62(1):35-43

Aug 1968 442.8 AN72 Biochemistry, Captan, Decomposition, Fungicides, Isotopes, Neurospora crassa, Research, Sulfur.

TOXICOLOGY

18470-68

AUXIN-INDUCED ELIMINATION OF A PROTEIN IN BEAN HYPOCOTYL.

I V Sarkissiav 1 C Spelsberg Nature 214(5085).319-320 15 Apr 1968 472 N21

Culture media, Electrophoresis, Indoleacetic acid, Kidney beans, Plant extracts, Plant physiology, Plant regulators, Proteins, Research, Seedlings.

HERBICIDAL COMPOSITION AND METHOD. PATENT 3,407,056.

Us Patent Office Offic Gaz 855(4):1021

22 Oct 1968 156.65 OF2

Herbicides, Patents, Plant physiology, Plant regulators

AMINO ACID-(PHENYLAZO)-PHENYL-DERIVATIVES, XXIII. INVESTIGATION OF THE PHYTOTOXIC EFFECT OF THE ANTIPODES OF ALANINE-AND PHEN-YLALANINE-4-(PHENYLAZO)-PHENYLA-MIDES AGAINST VARIOUS PLANT SPECIES. (GE)

P von Schwenk A Barth Biol Zentralbl 87(1):21-32 REF Feb 1968 442.8 B523

Amino acids, Herbicides, Plant biochemistry, Plant physiology, Toxicology. English and german abstract

Abstract

18473-68

STOMATAL MOVEMENTS; A YEARLY RHYTHM.

G Seidman W B Riggan Nature 217(5129):684-685 17 Feb 1968 472 N21

Air pollution, Annual plants, Barometric pressure, Biological clocks, Humidity, Light, Plant physiology, Plants, Stomata, Temperature.

18474-68

METABOLISM OF AMITROLE (3-AMINO-I,2,4-TRIAZOLE) IN RELATION TO THE DIF-FERENTIAL SUSCEPTIBILITY OF CIRSIUM ARVENSE (L.) SCOP. ECOTYPES.

L. W. Smith

Diss Abstr Sect B 28(11):4450B

May 1968 Z5055.U49D53

Amitrole, Biochemistry, Cirsium arvense, Culture media, Kidney beans, Leaves, Light, Metabolites, Plant ecology, Plant hardiness, Plant metabolism, Plant physiology, Plant translocation, Temperature.

18475-68

ON A MECHANISM OF FUNGICIDAL ACTION OF SURFACE-ACTIVE AGENTS. (RUS)

S S Stroev N P Elinov

Microbiol Espan 36(3):451-455

May 1967 448.3 M583

Candida albicans, Fungicides, Surface-active agents, Toxicology. English and russian abstract

Abstract

18476-68

NOTICE OF FILING OF PETITION REGARD-ING PESTICIDE CHEMICALS. KIRK, J K.

Fed Regist 33(201):15309

15 Oct 1968 L1.451

Biochemistry, Chemicals, Colorimetry, Cotton-seed, Pesticide residues, Pesticides, Sorghum, Soybeans, Spinach, Sugarcane.

18477-68

STROMATAL RIND FORMATION IN THE BROWN ROT FUNGI.

H J Willetts

J Gen Microbiol 52(2):271-273

Jul 1968 448.3 J823

Electron microscopy, Fungus diseases (plants), Plant morphology, Plant physiology, Sclerotinia fructicola.

Abstract

18478-68

NUTRITIONAL REQUIREMENTS OF A TO-MATO TISSUE CULTURE: C PROMOTING FACTORS FROM PEAS. GROWTH

S S Witherell

Diss Abstr Sect B 28(11):4453B

May 1968 Z5055.U49D53

Agar, Biochemistry, Extracts, Inositol, Peas, Plant nutrition, Plant physiology, Plant regulators, Tissue culture, Tomatoes, Water.

THE STUDY OF THE EFFECT OF AMITROL ON THE RESPIRATION AND ACTIVITY OF SOME ENZYMES IN POPPY PLANTS (PAPAVER SOMNIFERUM L.).

J Zemanek J Ambrozova Biol Plant 9(4):270-275

1967 450 B52

Amitrole, Biochemistry, Enzymes, Herbicides, Papaver, Papaver somniferum, Respiration. Czechoslovakian and Hebrew summaries

THE EFFECT OF HORMONAL HERBICIDES ON THE RADICAL BUDS OF CIRSIUM AR-VENSE SCOP, (RUS)

N M Zhirmunskaya

Bot Zhur (moscow) 53(6):841-844 REF

1968 451 R923

Cirsium arvense, Herbicides, Plant hormones, Plant protection.

18481-68

EFFECT OF 3-INDOLEACETIC ACID ON PHOSPHOLIPID MEMBRANE COMPONENTS OF AVENA COLEOPTHES.

R P Zimmerer

Diss Abstr Sect B 29(1):77B

Jul 1968 Z5055.U49D53

Biochemistry, Chromatography, Corn, Indoleacetic acid, Oats, Phospholipids, Pisum sativum, Plant translocation, Tissues.

CHEMISTRY

GEL PERMEATION CLEANUP MALATHION IN WHEAT, USING IONIC, CROSS-LINKED POL POLYSTRENE POLYMER.

N L Aker S H Schanderl N C Leeling Ass Offic Anal Chem J 51(4):888-892 REF

Jul 1968 381 AS7 Extracts, Gels, Malathion, Styrene polymers,

18483-68

GAS CHROMATOGRAPHIC DETECTOR FOR SIMULTANEOUS SENSING OF PHOSPHORUS AND SULFUR-CONTAINING COMPOUNDS BY FLAME PHOTOMETRY.

M C Bowman M Beroza

Anal Chem 40(10):1448-1455

Aug 1968 381 J825A

Chemistry, Chromatography, Molecules. Phosphorus compounds, Photometry, Sulfur compounds.

LOW TEMPERATURE IRRADIATION PLIED TO NEUTRON ACTIVATION ANALYSIS OF MERCURY IN HUMAN WHOLE BLOOD. D Brune

Oikas (SUP.9):12

1967 410 O14

Blood chemistry, Distillation, Ion exchange, Irradiation, Mercury, Neutron activation analysis, Temperature.

18485-68

PLANT HORMONES-V. THIN-LAYER AND GAS-LIQUID CHROMATOGRAPHY OF THE GIBBERELLINS; DIRECT INDENTIFICATION OF THE GIBBERELLINS IN A CRUDE PLANT

EXTRACT BY GAS-LIQUID CHROMATOG-RAPHY.

B D Cavell J MacMillan R J Pryce A C Sheppard

Phytochemistry 6(6):867()874

Jun 1967 450 P5622

Chromatography, Esters, Extracts, Gibberellins, Plant hormones, Scarlet runner beans.

18486-68

INFRARED STUDIES ETHYLENE CHLOROHYDRIN. J T Chen J H Gould

Ass Offic Anal Chem J 51(4):878-882 REF

Jul 1968 381 AS7

Ethylene chlorohydrin, Hydroponics, Infrared spectra, Vapors.

18487-68

SEASONAL VARIATION IN THE CONCEN-TRATION OF CAESIUM-137 IN GRASS AND ALFALFA.

S Csupka M Petrasova J Carach

Nature 213(5082):1204-1206 REF

25 Mar 1967 472 N21

Alfalfa, Cesium isotopes, Climate, Grasses, Radioactive contamination, Radiochemistry.

18488-68

THE STATISTICAL DESCRIPTION OF A SPRAY IN TERMS OF DROP VELOCITY, SIZE, AND POSITION.

J F Groeneweg

Diss Abstr Sect B 28(11):4593B-4560B

May 1968 Z5055.U49D53

Assay, Fluorescence, Measurement, Particle size determination, Photography, Spraying, Statistical methods, Temperature, Velocity.

ISOLATION, IDENTIFICATION, PURIFICA-TION, AND BIOLOGICAL PROPERTIES OF THE ANTIBIOTIC PHYTOACTIN. A E Harvey

Diss Abstr Sect B 29(2):440B-441B

Aug 1968 Z5055.U49D53

Antibiotics, Biology, Chemistry, Phytoactin, Properties, Purification.

HETEROCYCLICALLY SUBSTITUTED MONOHALOGENO-1,3,5-TRIAZINES. PATENT 3,407,201.

C Luethi H R Biland M Scheilenbaum M Duennenberger

Us Patent Office Offic Gaz 855(4):1045-1046 22 Oct 1968 156.65 OF2

Bactericides, Chemistry, Fungicides, Halogen compounds, Heterocyclic compounds, Patents, Triazines.

QUALITATIVE IDENTIFICATION OF CHLOR-TRACYCLINE AND OXYTETRACYCLINE IN FEEDS.

C T Smith

Ass Offic Anal Chem J 51(4):750-751

Jul 1968 381 AS7

Antibodies, Chlortetracycline, Color, Feed, Oxytetracycline.

CHEMISTRY AND PHYSIOLOGIC ACTION OF THE ANTIBIOTIC PHYTOACTIN.

Diss Abstr Sect B 28(8):3131B-3132B

Feb 1968 Z5055.U49D53

Biological assay, Fusarium, Glomerella cingulata, Phytoactin, Seed germination.

ENGINEERING

18493-68

ENGINEERING AND BIOLOGICAL ASPECTS OF DESIGNING AND USING A SELECTIVE FLAME WEEDER.

W F Lalor

Diss Abstr Sect B 29(1):152B Jul 1968 Z5055.U49D53

Equipment, Heat, Measurement, Methodology, Research, Temperature, Weed burners, Weed control.

18494-68

SPEEDOMETER ADAPTED FOR FOG CALCULATIONS.

A G Mac Bain R Suhrbier E Holub

Pest Contr 36(7):22

Jul 1968 449.8 EX8

Equipment, Fog, Insecticide application, Spraying equipment, Tractors.

INDUSTRY

ECONOMICS

18495-68
PESTICIDES, THEIR USE AND MISUSE.
L G K Iverson
Amer Vet Med Ass J 151(12):1806-1809

15 Dec 1967 41.8 AM3

Accident prevention, Agricultural economics, Insect control, Pesticides.

REGULATIONS

18496-68

THE ORGANIZATION AND ACTIVITIES OF THE BUREAU OF VETERINARY MEDICINE, FOOD AND DRUG ADMINISTRATION.

C D Van Houweling

Amer Vet Med Ass J 151(12):1821-1827

15 Dec 1967 41.8 AM3

Agricultural legislation, Drug therapy, Food additives, Veterinary medicine.



ADSORPTION

ACER RUBRUM

ABDOMEN

Pesticides, their use and misusc.

pink bollworms with olfactometers.	bianus (Coleoptera: Scolytidae). VIII. Artifacts	used as fungicides.
17829	and characteristics of the host tree.	18418
ABIES BALSAMEA	18129	AEDES AEGYPTI
Forestry. 18172	ACER SACCHARINUM The Columbian timber beetle, Corthylus colum-	The multiplication of Middelburgs and 1 plaque viruses in Aedes aegypti mosquitoes.
ABIES GRANDIS	bianus (Coleoptera: Scolytidac). VIII. Artifacts	17735
Survival of the balsam woolly aphid on Abies	and characteristics of the host tree.	Growth of arboviruses in monolayers from sub-
logs.	18129	cultured mosquito embryo cells.
18084	ACETALDEHYDE	17870
ABNORMALITIES	Anaerobic metabolism of Albugo candida-in- fected radish cotyledons.	The effect of blood-feeding on the longevity of
Experiments and considerations on the anomo-	17953	radiationresistant yellow-fever mosquitoes. 17885
lies of tomatoes of the super marmande type in hot houses, connections with the use of some	ACHATINA FULICA	
plant hormones.	Hyperglyceamia induced by 5-hydroxytryptamin	Some aspects of isolevcine metabolism in the yel- low fever mosquito, Aedes aegypti (L.).
17933	in Achatina fulica (gastropod mollusca).	17891
Seminal vesiculitis syndrome: Lesions in genital	18178	AEDES SOLLICITANS
organs of young bulls.	ACHETA DOMESTICUS	Cattle-mosquito study begins in south Texas.
18208	Vital stainining of insect eggs by incorporation of trypan blue.	18352
ABORTION	17878	AEDES TAENIORHYNCHUS
Mycotic abortion in ewes produced by Aspergil- lus fumigatus: pathologic changes.	ACIDS	Endogenous diurnal rhythm of pupation in a
18184	Sub-units of acid phosphatase-1 in Drosophila	mosquito population.
Artificially induced immunity to enzootic abor-	melanogaster: Reversible dissociation in vitro.	AERIAL SPRAYING
tion in ewes.	17862	Helicopter application of phytoactin to
18246	Water, electrolyte, and acid-base alterations in	whitebark pine. (Abstract).
Psittacosis-lymphogranuloma venereum agent	experimental canine leptospirosis. 18244	17958
isolated during an abortion epizootic in goats.	Response of early-weaned pigs to amino acid	AFLATOXICOSIS
18286	supplementation of corn diets.	Effect of ration modifications on aflatoxicosis in
Acute infectious bovine rhinotracheitis and sal- monellosis in a dairy herd.	18391	the rat. 18382
18344	ACRIDIDAE	AFLATOXIN
ABSCESSES	Mechanism of locust jumping.	Factors influencing aflatoxin accumulation in pe-
Corynebacterium equi infection in two foals.	17793	anut kernels and the associated mycoflora.
18225	ACRIDINE ORANGE	18043
ABSORPTION	Studies on the replication of African horse- sickness virus in two different cell line cultures.	Effect of aflatoxin on serum protein fractions of
Accumulation of glycine in the fat body of the	18304	day-old ducklings.
silkworm, Bombyx mori L.	ACRYLAMIDE	18191
	Identification of Xanthomonas species by acryla-	Fungi in stored products. [8377]
Mechanisms of inhibition and uncoupling of ox- idative phosphorylation in housefly mitochon-	mide-gel disc electrophoresis of soluble bacterial	
dria.	proteins. (Abstract).	Isolation of a new toxin from cultures of Asper- gillus flavus.
17899	18439	18416
Permeability changes in pear fruits associated	ACTINOMYCETES The suppression of actinomycetes by PCNB in	Comparison of the effects of gibberellic acid and
with pathogenesis by Erwinia amylovora. (Ab-	culture media used for enumerating soil bacteria.	aflatoxin in germinating seeds.
stract). 17961	17980	18449
Mercury content in feathers of Swedish birds	ACTINOMYCIN D	AFRICA
from the past 100 years.	Nucleoprotein synthesis during metamorphosis	On the Sphodromantis of the species viridis from northwest Africa.
18198	in Drosophila virilis. 17872	17849
The toxicity and distribution of mercury.		AFRICAN HORSE SICKNESS VIRUS
18410	Actinomycin D-induced phenocopies in Droso- phila melanogaster and their relevance to dif-	Studies on the replication of African horse-
Active uptake of Helminthosporium carbonum	ferential gene transcription. The genetic basis of	sickness virus in two different cell line cultures.
toxin and its effect on CO2 dark fixation by corn.	actinomycin D-induced preferential killing of	18304
(Abstract). 18453	Drosophilia melanogaster males.	AGALACTIA
ABSORPTION (BIOLOGICAL)	17907	Microflora associated with agalactia syndrome of sows.
Distribution of mercury compounds in fish and	ACTINOMYCINS Results concerning humoral immunity of Pure	18207
birds.	Results concerning humoral immunity of Pyrrhocoris apterus l. and Galleria mellonella F.	AGAR
18180	17842	Effects of mold inhibitors in larval diet on the
ACARICIDES	ACYRTHOSIPHON PISUM	biology of the cabbage looper.
Further evaluation of acaricides for brown wheat	On cold resistance of the pea aphid	17847
mite control on winter wheat in Kansas, 1963-65.	Acyrthosiphon pisum Harr (Homoptera,	Mycelial growth and production of oospores as
ACARINA	Aphididae). 17869	affected by beta-sitosterol, and the germination of oospores of Phytophthora megasperma var.
Comparative toxicity (Mammalia, Insecta,	Aspartate aminotransferase in the pea aphid,	sojae. (Abstract).
Acarina) of recent S,S-dimethyl S-benzyl deriva-	Acyrthosiphon pisum (Harris).	17979
tives substituted for tri- and tetrathiophosphoric	17876	Survival and growth of Fomes annosus at high
acids.	Role of host plant in production of winged forms	concentrations of borax. (Abstract).
ACCIDENT PREVENTION	by a green strain of pea aphid Acyrthosiphon	18450
Insecticide residues in pest control.	pisum. 18120	Nutritional requirements of a tomato tissue cul-
18401	ADENOSINE TRIPHOSPHATES	ture: Growth promoting factors from peas. 18478
Residues of diazinon, coumaphos, ciodrin,	Mechanisms of inhibition and uncoupling of ox-	AGGLUTINATION
methoxychlor, and rotenone in cow's milk from	idative phosphorylation in housefly mitochon-	Antibody response to immunization in experi-
treatments similar to those used for ectoparasite	dria.	mental Salmonellosis.
and fly control on dairy cattle, with notes on safety of diazinon and ciodrin to calves.	17899	18269
values, or diagnost and cloutin to carves.	ADENOVIRUSES	AGGLUTINATION TEST

ADENOVIRUSES

Some characteristics of adenoviruses.

18403

18495

porcine

18228

three

AGGLUTINATION TEST

tion.

Utilization of the card test in brucellosis eradica-

Preliminary observations on the effect of alcohol

and oil films on the oviposition of Culex pipiens

17844

quinquefasciatus (Say).

ALDEHYDE OXIDASE

18358

18014

17953

The effect of species of Allium on soil bacteria in

relation to germination of sclerotia of Sclerotium cepivorum Berk.

18434

AGING AGING

ALBUGO

ALBUGO CANDIDA

fected radish cotyledons.

The development of Albugo candida-induced

'green islands' on Brassica juncea cotyledons.

Anaerobic metabolism of Albugo candida-in-

Pathological changes of blood depending on sex

and age of rabbits experimentally infected with a sheep strain of Strongyloides papillosus.

AGRICULTURAL CHEMISTRY	ALDEHYDE OXIDASE	ALMONDS
Notice of filing of petition regarding pesticide	Polygenic control of aldehyde oxidase and	Dispersal patterns of Monilinia laxa spores in
chemicals. 18388	xanthine dehydrogenase in Drosophila.	peach, prune, apricot, and almond trees during early spring. (Abstract).
		18435
AGRICULTURAL ECONOMICS Pesticides in the coming struggle for food.	ALDRIN Effects on populations of corn rootworms of al-	ALTERNARIA BRASSICAE
17936	drin residues in soil four years after application.	A comparative nutritional study of Alternaria
Pesticides, their use and misuse.	18087	raphani, A. brassicae, and A. brassicola with spe- cial reference to A. raphani.
18495	Isolation and purification of metabolites found in	18069
AGRICULTURAL LEGISLATION	the urine of male rats fed aldrin and dieldrin. 18379	ALTERNARIA BRASSICICOLA
The organization and activities of the Bureau of		A comparative nutritional study of Alternaria
Veterinary Medicine, Food and Drug Adminis- tration.	ALFALFA Winter oviposition by the alfalfa weevil in Vir-	raphani, A. brassicae, and A. brassicola with spe-
18496	ginia.	cial reference to A. raphani. 18069
AGRICULTURAL PRODUCTS	17900	ALTERNARIA RAPHANI
Fungi in stored products.	Potential of the Rhizobium-Fusarium interac-	A comparative nutritional study of Alternaria
18377	tions on the incidence of alfalfa root rot.	raphani, A. brassicae, and A. brassicola with spe-
AGRICULTURAL RESEARCH	18006	cial reference to A. raphani.
The effect of disinfection on cereal seeds deter-	Stimulation of Sclerotium rolfsii and its an-	18069
mined in laboratory experiments and emergence tests in soil.	tagonists by volatile components of alfalfa hay.	Alternaria tenuis
17924	(Abstract). 18021	Alternaria tenuis on Antirrhinum. 18033
Susceptibility of weakened cottonwood stems to	Lack of cytoplasmic inheritance of alfalfa re-	ALTERNARIA TOMATO
fungi associated with blackstem.	sistance to the spotted alfalfa aphid.	Irreversible inhibition of spore formation in Al-
18055	18099	ternaria tomato by dedifferentation of
Placental pathology of experimentally-induced	Attempted cultivation of nematode cells. (Ab-	conidiophores. (Abstract).
enzootic abortion in ewes.	stract).	17939
18300	18133	ALTITUDE A preliminary report of the mosquitoes in the
AGRICULTURE	Chemical control of the stem nematode Di-	Gilgit Agency area.
Distribution of mercury compounds in fish and birds.	tylenchus dipsaci. 18137	17772
18180		ALUMINUM
Swedish studies of game that had been found	The influence of plant-growth substances and their inhibitors on the host-parasite relationships	Studies on hydrogen phosphide against the red
dead as well as specimens that had been shot.	of Aphelenchoides ritzemabosi in culture.	flour beetle in a column of paddy.
18411	18155	18113
AGROBACTERIUM TUMEFACIENS	Notice of filing of petition regarding pesticide	Manganese toxicity in celery. 18413
Auxin and crown gall tumor initiation. (Ab-	chemicals.	ALUMINUM FOIL
stract). 18023	18388	Aluminum foil and white polyethylene mulches
AGROMYZIDAE	Pyrrolizidine alkaloid poisoning in calves.	to repel aphids and control watermelon mosaic.
Cereal leaf miner in the South-east Region.	18412	18083
18092	Effect of calcium availability on alfalfa grown in calcareous high sodium soils.	AMBROSIA ARTEMISIFOLIA
AGROSTIS PALUSTRIS	18464	The growth, development and control of com-
The barley root-knot nematode in Illinois.	Seasonal variation in the concentration of caesi-	mon ragweed. 18160
18135	um-137 in grass and alfalfa.	Light quality effects on growth and development
AGROTIS SEGETUM	18487	ragweed.
Correction coefficients for prognosing the development of insects by sums of effective tem-	ALGAE	18161
peratures (Agrotis segetum Schiff taking of ex-	Bionomics of the mosquito Anopheles fran-	Herbaceous annual and perennial weeds.
ample).	ciscanus Mccracken in California. 17783	18174
17810	Detergents.	AMERICAN FOULBROOD
AIR FLOW	Detergents.	Ethylene oxide for the control of American foul- brood in honey bees.
Spread of the boll weevil by drainage water and	Toxic blue-green algae in Saskatchewan.	17881
air currents.	18414	AMINES
AIR POLLUTION	ALKALINE PHOSPHATASE	Spermidine, the major polyamine component of
Pesticides and pollution. SB959.0U4.	Relationships between zinc nutrition and al-	turnip yellow mosaic virus. (Abstract).
17863	kaline phosphatase activity in the chick.	17946
Stomatal movements; a yearly rhythm.	18220	Hyperglyceamia induced by 5-hydroxytryptamin in Achatina fulica (gastropod mollusca).
18473	ALKALOIDS	18178
AIR SACS	Pyrrolizidine alkaloid poisoning in calves. 18412	AMINO ACIDS
Mycoplasma meleagridis ('N' strain mycoplasma		Content and synthesis of gamma aminobutyric
- PPLO): Relationship of air sac lesions and isolations in day old turkeys (Meleagridis Gal-	The interrelationships of Rhizoctonia solani and Helminthosporium vagans, nitrogen, and variety	acid in the larval brain of Drosophila
lopavo).	on alkaloids in Festuca arundinacea. (Abstract).	melanogaster. 17799
18211	18443	Accumulation of glycine in the fat body of the
AIRPORTS	ALKALOSIS	silkworm, Bombyx mori L.
Interceptions of plant diseases through the port	Oxalate metabolism in sheep and its effect on the	17803
of Bombay.	anion-cation balance.	Physiological genetics of melanotic tumors in

Potato spindle tuber virus: in situ sensitivity of

Differentiation of races of Pseudomonas solanacearum by a hypersensitive reaction of tobacco leaves. (Abstract).

the infectious agent to ribonuclease. (Abstract).

18188

18025

su-tu strain.

(Abstract).

Drosophila melanogaster . V. Amino acid metabolism and tumor formation in the tu bw; st

Relationship between free amino acids and

symptom expression in corn infected with maize

dwarf mosaic virus or sugarcane mosaic virus.

		ANIMAL METABOLISM
The role of cotton and bean secd exudate in pre-	ANGULAR LEAFSPOT (COTTON)	Lipids of Venezuelan equine encephalomyclitis
emergence infection by Rhizoetonia solani. 17994	Race buildup of Xanthomonas malvacearum on cotton in southcast Missouri.	virus and their relationship to the lipids of the host.
The effect of amino acid antimetabolites on four	17928	18256
nematode species and their host plants. 18146	ANIMAL ABNORMALITIES Histidine decardoxylase in strains of Escherichia	Pathology a-d immunofluorescence studies of bovine myeoplasma mastitis.
Myoglobin in control and dystrophic chickens.	eoli isolated from normal swine and swine with	18267
18250	edema disease and enteric disorders. 18307	Antibody response to immunization in experi- mental Salmonellosis.
Response of carly-weaned pigs to amino acid supplementation of corn diets.	ANIMAL ANATOMY	18269
18391	Growth and development of the bovine as re- lated to certain endocrine factors.	Liver granulomas of turkeys caustive agents and
Amino acid-(phenylazo)-phenylderivatives. xX- III. investigation of the phytotoxic effect of the	18234	mechanism of infection. 18294
antipodes of alanine-and phenylalanine-4-(phen-	Histopathologic changes in male swinc with ex-	Longevity of an experimental infection with
ylazo)-phenylamides against various plant spe-	perimental Bruecllosis. 18237	Dirofilaria immitis in a dog.
cies. 18472	ANIMAL BREEDING	18297
AMINOTRANSFERASES	Mycoplasma mcleagridis ('N' strain myeoplasma	Transmission of salmon poisoning disease to dogs by Nanophyetus salmincola eggs.
Aspartate aminotransferase in the pea aphid, Acyrthosiphon pisum (Harris).	 PPLO): Relationship of air sac lesions and isolations in day old turkeys (Melcagridis Gal- 	18301
17876	lopavo).	Rabies control in public health administration. 18303
AMITROLE	18211	Experimental transmission of two canine
Extermination of Eichhornia azurea Kunth, Aguape de cordao, on the Ribeira river by	ANIMAL DISEASES Mycotic abortion in ewes produced by Aspergil-	neoplasms: Lymphosarcoma and mast cell leu-
means of herbicide applications.	lus fumigatus: pathologic changes.	kemia. 18310
18166	18184	Effect of bursectomy on the rous virus tumour
Metabolism of amitrole (3-amino-1,2,4-triazole) in relation to the differential susceptibility of Cir-	Cystic ovarian disease in dairy cattle: With spe- cial reference to its treatment using a combina-	induction in chickens.
sium arvense (L.) scop. ccotypes.	tion of Chorionic gonadotrophin and	18311
The study of the effect of emitted on the remine	progesterone. 18200	Immunization of foxes with inactivated wirus ra- bies vaccine.
The study of the effect of amitrol on the respira- tion and activity of some enzymes in poppy	Experimental treatment of subclinical porcine	18315
plants (Papaver somniferum L.).	case of Toxoplasma with sulfamonomethoxine	Experimental production of rheumatoid arthritis
18479 AMPROLIUM	and pyrimethamine and its influence upon hemagglutinating antibody.	of swine: Physiopathologic changes of tissues. 18319
Successful treatment of coccidiosis in lambs.	18202	Epizootiologic observations of canine filariasis in
18313	Does the agent of scrapie replicate without nucleic acid.	Georgia.
AMSINCKIA INTERMEDIA Pyrrolizidine alkaloid poisoning in calves.	18205	18330 The penetration patterns of Salmonella typhimu-
18412	Experimental colibacillosis and the development	rium through the outer structures of chicken
ANAEROBIC BACTERIA	of carries in laying hens.	eggs. 18341
Clinical aspects of toxic infections by anaerobic germ spores in ruminants.	Microflora associated with agalactia syndrome of	Acute infectious bovine rhinotracheitis and sal-
18229	sows.	monellosis in a dairy herd.
Anaerobic processes. Microbiology and mechanism.	Anaplasma marginale-infectivity in splenec-	18344
18405	tomized and radiated rabbits.	Dirofilaria immitis parasitic in the spinal cavity of a dog.
Effect of anacrobiosis on germination and via-	18210	18362
bility of Rhizopus stolonifer sporangiospores. (Abstract).	Properties of Aujeszky's disease virus strains iso- lated from swine pneumonia cases.	A method for evaluation of vaccines containing
18431	18215	pasteurella multocida. 18380
ANAPLASMOSIS Anaplasma marginale-infectivity in splenec-	Hemophilia-like disease of swine: Cytogenetic studies.	On the development of Cysticercus fasciolaris in
tomized and radiated rabbits.	18223	albino rat liver and its reaction on the host tissue. 18381
18210	Avian adeno-like viruses- Characterization and	ANIMAL ECOLOGY
ANARETE PRITCHARDI Ecology of insect swarms. V. Movement of in-	comparison of seven isolates. 18224	The connection between sunspot cycles and
dividual midges, Anarete pritchardi, within a	Clinical aspects of toxic infections by anaerobic	mass mortality among vertebrates and non-ver- tebrates due to parasitic activity.
swarm. 17801	germ spores in ruminants.	18327
ANATOMY	Growth and development of the bovine as re-	Epizootiologic observations of canine filariasis in
Anatomic effects of cadang-cadang disease on	lated to certain endocrine factors.	Georgia. 18330
coconuts.	18234	ANIMAL GENETICS
Ultrastructure of Zea mays leaf cells infected	Histopathologic changes in male swine with ex- perimental Brucellosis.	Hemophilia-like disease of swine: Cytogenetic studies.
with Johnson grass strain of sugarcane mosaic virus. (Abstract).	18237	18223
17986	Immunochemical and biochemical interrelation-	ANIMAL HISTOLOGY
Ultrastructural changes in apple leaf cells in-	ship of Streptocoecus agalaetiae to the bovine. 18238	Histopathologic changes in male swine with ex- perimental Brucellosis.
duced by virulent and avirulent strains of Erwinia amylovora. (Abstract).	Effects of selenium and vitamin E on nutritional	18237
17989	muscular dystrophy in lambs. 18242	Copper and ascorbic acid in guinea pig tissues as
Ultrastructure of host and parasite in compatible and incompatible ineractions of Zea mays L.	Water, electrolyte, and acid-base alterations in	effected by dietary intake. 18290
with Puccinia sorghi Schw.	experimental canine leptospirosis.	On the development of Cysticercus fasciolaris in
18074	Newcastle disease: A legal interpretation	albino rat liver and its reaction on the host tissue.

18246

18250

18255

Rearing lambs free of gastrointestinal nematodes. 18368

ANIMAL METABOLISM

Influence of nitrite and hydroxylamine on performance and vitamin A and carotene metabolism of ruminants. 18183

18142

18274

structures of Xiphinema americanum.

eharacteristics.

ANCYLOSTOMA CANINUM

Effects of a low manganese dict on certain ovine

Artificially induced immunity to enzootic abor-

Myoglobin in control and dystrophic chickens.

Clostridium perfringens type A infection of ligated intestinal loops in lambs.

Experimental bluetongue disease in white-tailed

Effect of ration modifications on aflatoxicosis in

18336

ANIMAL MORPHOLOGY

metabolism of chickens.

anion-cation balance.

Influence of dietary vitainin A on cholesterol

Ovalate metabolism in sheep and its effect on the

18185

18188

the rat

ANIMAL MORPHOLOGY On the principal way of attack of rotenone in ANTHONOMUS GRANDIS THURBERIAE Mycotic abortion in ewes produced by Aspergilfish. Spread of the boll weevil by drainage water and lus fumigatus: pathologic changes. 18415 air currents. 18184 ANIMAL VECTORS 17824 ANIMAL NUTRITION Enzootic rabies in rodents in Thailand. ANTHRACNOSE (CITRUS) Nematodiasis in Louisiana dairy cattle. Impact of 18320 Chemical control of scab and anthracnose on host nutrition upon experimental ostertagiasis in The epizootiological importance of foot-andsusceptible varieties of Citrus in Florida. (Abthe bovine. mouth disease carriers. I. Experimentally produced foot-and-mouth disease carriers in 17981 Relationships between zinc nutrition and alsusceptible and immune cattle. ANTIBIOTICS kaline phosphatase activity in the chick. Helicopter application of phytoactin to whitebark pine. (Abstract). 18220 ANIMALS Some nutritional aspects of dietary magnesium in Analysis of the development of oviducts and the ruminants and poultry. developmental relations between oviducts and Serological diagnostic method without isolation 18227 ovaries in Drosophila virilis. Part one: Developof Erwinia amylovora culture from a diseased Effects of selenium and vitamin E on nutritional ment of oviducts under normal and experimental plant. muscular dystrophy in lambs. conditions. Part two: Analysis of alterations oc-18242 curring in oviducts during imaginal life. Psittacosis-lymphogranuloma venereum agent 17782 Effects of a low manganese diet on certain ovine isolated during an abortion epizootic in goats characteristics. Further evaluation of animal systemic insecti-18286 18274 cides, 1967. Detection of antibiotic-fast staphylococci in 18347 Increased incidence of avian leukosis in response otitis externa in dogs. to excess vitamin A. Insecticide residues in pest control. 18346 18280 18401 Effect of ration modifications on aflatoxicosis in The utilization of vitamin A and carotene by ru-ANNUAL PLANTS the rat minants. 1. Vitamin A potency of carotenes in Stomatal movements; a yearly rhythm. 18382 corn silage fed to lambs. 2. The effect of time and 18473 The effect of species of Allium on soil bacteria in route of administration of vitamin A on liver ANOBIIDAE relation to germination of sclerotia of Sclerotium vitamin A storage by steers. 3. The effect of Notes on deathwatch beetles (Coleoptera). cepivorum Berk. route of administration of vitamin A on blood 17821 18434 serum and liver vitamin A concentrations in Isolation, identification, purification, and biologsteers at subsequent time intervals. ANOPHELES FRANCISCANUS ical properties of the antibiotic phytoactin. 18281 Bionomics of the mosquito Anopheles fran-18489 ciscanus Mccracken in California. Copper and ascorbic acid in guinea pig tissues as ANTIBODIES 17783 effected by dietary intake. Experimental treatment of subclinical porcine ANOPHELES QUADRIMACULATUS 18290 case of Toxoplasma with sulfamonomethoxine Longevity of an experimental infection with ANIMAL PHYSIOLOGY and pyrimethamine and its influence upon Dirofilaria immitis in a dog. The effect of intramammary infection during the 18297

dry period on the milk production of the affected quarter at the start of the succeeding lactation. 18194

Factors affecting the storage, excretion, and placental transfer of dieldrin in dairy cattle. 18218

Some physiological responses of ruminants to 2,2-dichlorovinyl dimethyl phosphate.

Actions of vitamin D3 and sex hormones on calcium metabolism of bone in birds, particularly in

18226 Effects of selenium and vitamin E on nutritional

Oxalate metabolism in sheep II. Effect of low level Halogeton glomeratus intake on electrolyte metabolism.

muscular dystrophy in lambs.

Food intake and growth of burro foals after 250 roentgens of cobalt-60 whole-body gamma ir-

18271

Effects of a low manganese diet on certain ovine characteristics.

18274

Copper and ascorbic acid in guinea pig tissues as effected by dietary intake. 18290

Alterations in the response and functions of the chicken pancreas induced by feeding unheated and autoclaved soybean meal. 18314

The effect of trauma on production of herpes in-

The effect of diet on the utilization of stable and

terferon in guinea pigs.

radioactive copper in luminants. 18334 ANOPLURA

Note on the determination of carbaryl residues in hen skin. 18406

ANTENNAE

Sensillae on the antennac of blood-sucking biting midges (Diptera, Ceratopogonidae).

18374

17840

ANTHELMINTICS

Changes in the efficacy of three anthelmintics during the maturation of a nematode (Trichinella spiralis). 18357

Observations on the effects of pyrvinium pamoate on Strongyloides stercoralis.

18359 Anthelminthic activity of some carbamate derivatives.

ANTHERAEA EUCALYPTI

Parthenogenesis in moth gum emperor Antheraea eucalypti (Scott).

ANTHERAEA POLYPHEMUS

Effects of juvenile hormone on protein synthesis during the metamorphosis of the polyphemus silkmoth.

ANTHOCORIS MELANOCERUS

Anthocoris melanocerus as a predator of the green peach aphid on sugar beets and broccoli 18121

ANTHONOMUS GRANDIS

Field studies of sex attraction in the boll weevil. 17790

Influence of the spectral composition of certain bands of visible and near visible radiation on diapause in the boll weevil.

17833

A red dye to evaluate bait formulations and to mass mark field populations of boll weevils.

17856

Constituents of the cotton bud. XIII. Further studies on a nonpolar feeding stimulant for the boll weevil.

hemagglutinating antibody. 18202 three Some characteristics of

porcine

adenoviruses. 18228 Hog cholera: Safety and protection studies with

photodynamically inactivated hog cholera virus 18232

Newcastle disease: A legal interpretation,

18245 California-encephalitis-group viruses in Florida rabbits: Report of experimental and sentinel stu-

Serological tests for the detection of antibodies to Mycoplasma gallisepticum in chickens and turkeys. 18266

Pathology a-d immunofluorescence studies of bovine mycoplasma mastitis.

Antibody response to immunization in experimental Salmonellosis.

18269

Foot-and-mouth disease in swine. I. The immune response of swine to chemically-treated and nontreated foot-and-mouth disease virus.

18288

Foot-and-mouth disease in swine. II. Some physicalchemical characteristics of antibodies produced by chemically-treated and non-treated foot-and-mouth disease virus. 18289

Response of lymphocyte-depleted calves to fluid

18293

A comparison of methods of measuring the persistance of neutralizing and haemagglutinin-inhibiting antibodies to louping ill virus in experimentally infected sheep.

AQUATIC ANIMALS Effect of bursectomy on the rous virus tumour APHELENCHOIDES RITZEMA-BOSI Effects on microfauna - freshwater. induction in chickens. The influence of plant-growth substances and their inhibitors on the host-parasite relationships 18394 18311 of Aphelenchoides ritzemabosi in culture. Immunization of foxes with inactivated wirus ra-**AQUATIC BIRDS** Toxic blue-green algae in Saskatchewan. APHELENCHUS AVENAE 18414 Serologic survey for toxoplasma antibodies in a Interactions of Aphelenchus avenue and some AQUATIC WEEDS nematodetrapping fungi in dual culture. Aquatic weeds. colony of research dogs and cats in California. APHIDIDAE Relationship between infecting dose, muscle **ARBOVIRUSES** Alate aphid species captured in yellow pans parasitism, and antibody response in experimen-Growth of arboviruses in monolayers from sub-17806 tal trichinosis in rabbits. cultured mosquito embryo cells. On cold resistance of the pea aphid Acyrthosiphon pisum Harr (Homoptera, Experimental bluetongue disease in white-tailed Studies of the epidemiology of arthropod-borne Aphididae). virus infections at Mitchell River Mission, Cape 17869 York Peninsula, north Queensland. II. Arbovirus Aluminum foil and white polyethylene mulches infections of mosquitoes, man, and domestic Some studies on the pathogenesis and fowls, 1963-1966. epizootiology of epizootic hemorrhagic discase to repel aphids and control watermelon mosaic. 18083 of decr. Aphid vectors of barley yellow dwarf virus in blacklight traps in eastern United States. Studies of the epidemiology of arthropod-borne virus infections at Mitchell River mission, Cape Stained monolayer test: a color test in disposable York Peninsula, north Queensland. I. Mosquito collections, 1963-1966. 18089 plastic trays for titrating transmissible gastroenteritis virus and neutralizing antibodies. The use of menazon seed dressing to decrease spread of virus yellows in sugar-beet root crops. ARCEUTHOBIUM PUSILLUM A method for evaluation of vaccines containing Eastern dwarf mistletoe on jack pine in pasteurella multocida. Control of mustard aphid (Lipaphis erysimi Manitoba. Kalt.) by systemic insecticides. 17926 Qualitative identification of chlortracycline and 18115 ARCTIIDAE oxytetracycline in feeds. Role of host plant in production of winged forms Meteorological factors affecting the activity of by a green strain of pea aphid Acyrthosiphon night flying Macro-Lepidoptera. ANTIGENS Studies on selection in natural and experimental APHIS CRACCIVORA populations of Drosophila pseudoobscura. Hog cholera: Replication of hog cholera virus in A new mosaic disease of brinjal (Solanum tissue culture with cytopathic effect. melongena L.). California-encephalitis-group viruses in Florida rabbits: Report of experimental and sentinel stu-18231 18116 ARGYROTAENIA VELUTINANA APHIS GOSSYPII Medium and techniques for mass rearing the red-The presence of tristeza virus in certain species banded leaf roller. of citrus in Cyprus. Serologic response of swine to Escherichia coli ARTHRITIS A new mosaic disease of brinjal (Solanum Corynebacterium equi infection in two foals. Biochemical and serologic characterestics of melongena L.). 18225 Vibrio isolants from cattle. Mycoplasmas: their role in bovine disease. APIS MELLIFERA The foraging behavior of honeybees (Apis mel-Some studies on the pathogenesis and Experimental production of rheumatoid arthritis lifera) and bumblebees (Bombus Spp.) on epizootiology of cpizootic hemorrhagic disease blackcurrant (Ribes nigrum), raspberry (Rubus of swine: Physiopathologic changes of tissues. of deer. idaeus) and strawberry (Fragaria x ananassa) ARTHROBACTER Hydatid latex agglutination with scolex and Degradation of diazinon by synergistic microbial crude polysaccharide antigens. Mechanical and electrical activity in the indirect action. 18360 flight muscles of the honey bee. A method for evaluation of vaccines containing ARTHROBOTRYS CONOIDES pasteurella multocida. Ethylene oxide for the control of American foul-Use of fluorescent brightener as aid to studies of 18380 fungistasis and nematophagous fungi in soil. brood in honey bees. ANTIMETABOLITES 17881 The effect of amino acid antimetabolites on four **APPLES** ARTHROPODA nematode species and their host plants. The role of IAA in host reaction to different iso-Defense mechanisms of arthropods. XXI. Formic 18146 acid and n-nonyl acetate in the defensive spray of two species of Helluomorphoides. lates of Phytophthora cactorum. (Abstract). ANTIRRHINUM Pathogenic and cultural variation in Phytophthora nicotianae var parasitica from 17816 Pectin methyl-trans-eliminase as the maceration factor of Sclerotinia fructigena and its sig-ARTIFICIAL INSEMINATION greenhouse plants. Patch canker of Hevea brasiliensis caused by nificance in brown rot of apple. 18064 Phytophthora palmivora. ANTIRRHINUM MAJUS Ultrastructural changes in apple leaf cells in-Alternaria tenuis on Antirrhinum. duced by virulent and avirulent strains of Erwinia **ARYLSULFATASE** 18033 An arylsulfatase in the wood rotting basidioamylovora. (Abstract). mycete, Fomes geotropus. Distribution of mercury compounds in fish and Studies of the resistance of local apple varieties to scab (Venturia inaequalis (cke.) Wint.) under climatic conditions of Central Anatolia. ASCARIASIS Helminths as vehicles and synergists of microbial Studies on the laboratory soiling of milking equipment. Attempts at combatting oystershell scale, Lepidosaphes ulmi (L.),on appletrees in ASCARIS LUMBRICOIDES Helminthic infestations of piglets with reference Swedish restrictions concerning the use of merorchards of Quebec.

17966

cury compounds for seed disinfection.

required for infection on peas. (Abstract).

Number of zoospores of Aphanomyces euteiches

Influence of nitrogen form on the incidence and

severity of Aphanomyces root rot of peas. (Ab-

APHANOMYCES EUTEICHES

stract).

Dispersal patterns of Monilinia laxa spores in peach, prune, apricot, and almond trees during early spring. (Abstract).

The host-parasite relations and ecology of

Trichodorus viruliferus on apple roots, as ob-

served from an underground laboratory.

18435

ASCORBIC ACID Copper and ascorbic acid in guinea pig tissues as cffected by dietary intake.

Helminthic infestations of piglets with reference

to lesions encountered.

to lesions encountered.

ASCAROPS STRONGYLINA

18290

18029

18434

Annals of the Phytopathological Society of

The effect of species of Allium on soil bacteria in

relation to germination of sclerotia of Sclerotium eepivorum Berk.

Japan.

18103

ASCOSPORES

ASCOSPORES	Many techniques to bioneray the say attractant of	Ethylene oxide for the control of American foul-
Ascospore production, discharge and infection	New techniques to bioassay the sex attractant of pink bollworms with olfactometers.	brood in honey bees.
by Glomerella cingulata causing coffee berry dis-	17829	17881
ease. 17999	Costelytra zealandica (White) sex attraction.	BACILLUS THURINGIENSIS
ACDEDICAL LIC	17845	Enzymatic hydrolysis of the encysted
ASPERGILLUS		parasporale of Bacillus thuringiensis by Bombyx
Fungi in stored products. 18377	Interception of apple maggot adults on colored	mori L. proteases.
	traps in an orchard.	17852
ASPERGILLUS FLAVUS		Introduction to Bacillus thuringiensis and its
Effect of soil fungicides on development of fungi	A bioassay technique for screening feeding	uses.
in soil and on kernels of groundnut. 18003	stimulants for larvae of tobacco budworm.	18103
	18096	BACTERIA ·
Factors influencing aflatoxin accumulation in pe-	AUTOCLAVES	Results concerning humoral immunity of Pyrr-
anut kernels and the associated mycoflora.	Notes on microanalytical techniques in the anal-	hocoris apterus I. and Galleria mellonella F.
18043	ysis of foods for extraneous materials.	17842
Occurrence of fiber containing fluorescent spots	17792	Ethylene oxide for the control of American foul-
associated with Aspergillus flavus boll rot in the	AUTOPSIES	brood in honey bees.
U. S. cotton crop of 1967.	Salmonella typhisuis infection in Minnesota	17881
18108	swine.	
Isolation of a new toxin from cultures of Asper-	18209	Effect of Xanthomonas vesicatoria on loss of electrolytes from leaves of Capsicum annuum.
gillus flavus.	Atypical Globidiosis in a lamb.	17970
18416	18213	
Extent of Aspergillus flavus and Fusarium ox-	An outbreak of Ornithosis in fowls.	Bacteriological studies of poultry litter fed to
ysporum germination in soil and in the rhizo-	18318	livestock. 18203
sphere of peanut. (Abstract).		
18445	Experimental infection of gnotobiotic Tenebrio	Antibody response to immunization in experi-
ASPERGILLUS FUMIGATUS	molitor and white rats with Hymenolepis diminu-	mental Salmonellosis.
Mycotic abortion in ewes produced by Aspergil-	ta (Cestoda: Cyclophyllidea).	18269
lus fumigatus: pathologic changes.		Liver granulomas of turkeys caustive agents and
18184	Lesions caused by the hepatic trematode, Me-	mechanism of infection.
ASSAY	torchis conjunctus, Cobbold, 1860; A compara-	18294
Analysis of the development of oviducts and the	tive study in Carnivora. 18369	The occurrence of bacteria in chronic purulent
developmental relations between oviducts and		eye discharge.
ovaries in Drosophila virilis. Part one: Develop-	On the Metacercaria of Prosthogonimus	18335
ment of oviducts under normal and experimental	putschkowskii in Sympetrum decoloratum	Microbiology. Gastrointestinal outbreaks.
conditions. Part two: Analysis of alterations oc-	(Odonata: insecta) with observations on its	18392
curring in oviducts during imaginal life.	development in chicks.	
17782	18370	Agricultural (livestock) wastes. 18404
	Helminthic infestations of piglets with reference	
Residues of diazinon in carrots after treatment	to lesions encountered.	Studies on the laboratory soiling of milking
against cyclodicne-resistant carrot rust fly. 18093	18371	equipment.
	AUTORADIOGRAPHY	18409
Mercury content in feathers of Swedish birds	Ordered chromosomal DNA synthesis in Droso-	Identification of Xanthomonas species by acryla-
from the past 100 years.	phila melanogaster.	mide-gel disc electrophoresis of soluble bacterial
18198	17835	proteins. (Abstract).
A comparative study of cell wall glycopeptide	Distribution of mercury compounds in fish and	18439
structure of some bovine vibrios.	birds.	Disc electrophoresis of sonic extracts of five
18247	18180	phytopathogenic bacteria. (Abstract).
Clostridium perfringens type A infection of	The toxicity and distribution of mercury.	18444
ligated intestinal loops in lambs.	18410	BACTERIAL CANKER (TOMATOES)
18255		Bacterial canker of tomato; inoculum level
Antibody response to immunization in experi-	Influence of micro-organisms on the distribution	needed for infection.
mental Salmonellosis.	in roots of phosphate labelled with phosphorus-	18071
18269	32. 18424	BACTERIAL DISEASES (PLANTS)
		Permeability changes in pear fruits associated
Analytical problems: Mercury in the general en-	Wound-induced gibberellins.	with pathogenesis by Erwinia amylovora. (Ab-
vironment.	18467	stract).
18408	AVIAN LEUKOSIS COMPLEX	17961
Auxin effects on the activity of pectin-	Increased incidence of avian leukosis in response	Effectiveness of specific genes and gene com-
transeliminase in vitro.	to excess vitamin A.	binations in conferring resistance to races of
18430	18280	Xanthomonas malvacearum in Upland cotton.
The statistical description of a spray in terms of	AVIAN MYELOBLASTOSIS VIRUS	(Abstract).
drop velocity, size, and position.	Effects of genetic cellular resistance on cell	17978
18488	transformation and virus replication in chicken	Ultrastructural changes in apple leaf cells in-
ASSES	hematopoietic cell cultures infected with avian	
Food intake and growth of burro foals after 250	myeloblastosis virus (BAI-0A).	 duced by virulent and avirulent strains of Erwinia amylovora, (Abstract).
roentgens of cobalt-60 whole-body gamma ir-	18295	17989
radiation.	BABESIA BIGEMINA	
18271	The infection of Boophilus microplus with Babe-	Auxin and crown gall tumor initiation. (Ab-
ATPASE	sia bigemina.	stract). 18023
Permeability and excitation of insect muscle.	17795	
17896	BABY PIGS	Differentiation of races of Pseudomonas
	Salmonella dublin meningitis in piglets.	solanacearum by a hypersensitive reaction of
ATRAZINE Resistance breakdown in maire to maire dwarf	18287	tobacco leaves. (Abstract). 18025
Resistance breakdown in maize to maize dwarf	Helminthic infestations of piglets with reference	
mosaic virus after treatment with atrazine. (Abstract).	to lesions encountered.	Induced resistance to bacterial wilt in susceptible
18027	to lesions encountered.	tobacco cuttings pretreated with avirulent mu- tants of Pseudomonas (Abstract)

40

Introduction to Bacillus thuringiensis and its

Introduction to Bacillus thuringiensis and its

BACILLUS ANTHRACIS

BACILLUS CEREUS

uses.

17780

18107

The leaf cutting ant, Atta capiguara, curse of the

Reinfestation of forest sites by the Texas leaf-

pastures.

ATTA TEXANA

cutting ant.

		FD 63
RACT	ERICID	ES

Heterocyclically substituted monohalogeno-1,3,5-triazines. Patent 3,407,201.

18490

BAITS

Subterranean termite studies in southern Ontario.

17747

New techniques to bioassay the sex attractant of pink bollworms with olfactometers.

17829

A red dye to evaluate bait formulations and to mass mark field populations of boll weevils.

17856

Interception of apple maggot adults on colored traps in an orchard.

Influence of population level and trap spacing on capture of tobacco hor-worm moths in blacklight

17861

Let's talk about the advantages of bait. 17874

Studies of the epidemiology of arthropod-borne virus infections at Mitchell River mission, Cape York Peninsula, north Queensland. I. Mosquito collections, 1963-1966.

Alberta, 255,000 square miles, free of rats. 18175

Treatment for poisoning by slug bait.

18187

BALANCE OF NATURE

traps with virgin females.

Interactions of Aphelenchus avenae and some nematodetrapping fungi in dual culture.

18134

BANANAS

The selectivity and activity of s-triazine herbicides in banana plants.

18423

BARLEY

Effects of barley stripe mosaic virus infection on

the respiration of barley leaves. (Abstract).

Transmission of a leafhopper-borne virus from naturally infected Poa annua in Czechoslovakia. 18039

Stand loss of small grains in Florida.

18057

The barley root-knot nematode in Illinois.

18135 Red light induction of gibberellin synthesis in

leaves.

BARLEY STRAW

Influence of nitrogen nutrition on Fusarium root rot of pinto bean and on its suppression by barley straw.

18028

BAROMETRIC PRESSURE

Stomatal movements; a yearly rhythm.

18473

BASIDIOMYCETES

Role of nitrogen in wood deterioration. VI. Mycelial fractions and model nitrogen compounds as substrates for growth of Polyporus versicolor and other wood-destroying and wood-inhabiting fungi. 18018

An arylsulfatase in the wood rotting basidio-

mycete, Fomes geotropus. 18035

BASIDIOSPORES

The pathogenicity of secondary and tertiary basidiospores of Cronartium fusiforme.

18052

Characteristics of a seasonal population of airborne Fomes fomentarius basidiospores. (Abstract).

18438

BEANS

Selective staining of dead cells in bean leaves injured by ozone. 1793I Analysis of competition in model systems. (Abstract).

17949

Effect of Uromyces phaseoli on the water relations of primary bean leaves. (Abstract). The role of cotton and bean seed exudate in pre-

emergence infection by Rhizoctonia solani. The response of bean to ozone as related to in-

fection by Pseudomonas phaseolicola. (Abstract). 18009

Auxin and crown gall tumor initiation. (Abstract). 18023

Cytokinin effect of benzyladenine: Increase of nucleic acid and protein synthesis in bean leaves 18048

The effect of decomposing organic matter on zinc level in soil and plants.

Cultural and pathogenicity studies of induced variants of bean and pea root rot Fusarium spe-

18078

Vegetable crops, IV. Beans, sweet corn, tomatoes, rhubarb.

Effect of culture filtrates of Pseudomonas phaseolicola on the growth of excised roots and callus tissue cultures of bean. (Abstract).

18422

BEDDING (LIVESTOCK)

Bacteriological studies of poultry litter fed to

18203

REFS

Functional degeneration of the venomous gland of Apis during the summer and winter. 17851

Alterations in the auxin levels of resistant and susceptible hosts induced by the curly top virus 18066

BENEFIN

Preplanting treatments for weed control in Connecticut shadegrown tobacco.

BENZALKONIUM CHLORIDE

Experimental infection of gnotobiotic Tenebrio molitor and white rats with Hymenolepis diminuta (Cestoda: Cyclophyllidea). 18363

BENZOXAZOLINONE

Resistance in bermudagrass to the fall armyworm. 18104

BENZYL BENZOATE

A review of drug toxicity in the cat.

18420

BENZYLADENINE

Cytokinin effect of benzyladenine: Increase of nucleic acid and protein synthesis in bean leaves

RETA-SITOSTEROL

Mycelial growth and production of oospores as affected by beta-sitosterol, and the germination of oospores of Phytophthora megasperma var. sojae. (Abstract).

BETULA

Control of the birch leaf minor with disulfoton. 18086

BIDRIN

Control of the elm leaf beetle in Arizona.

BIOCHEMISTRY

Organothiocyanates as insecticides and carbamate synergists. 17785

Chemical sterilization of the stable fly Stomoxys calcitrans (Linne), with metepa and hempa.

18128

Metabolism of C14-labeled hemel in male house

Polygenic control of aldehyde oxidase and xanthine dehydrogenase in Drosophila.

Influence of repellency on the efficacy of blatticides. IV. Comparison of four cockroach species.

17814 Studies on insect (Periplaneta americana L.)

phosphofructokinase.

Field tests of chemicals for control of the European corn borer.

Reproductive behavior of the potato tuberworm, Phthorimaea operculella (Zeller), (Lepidoptera: Gelechiidae) and the effect of the chemosterilant

metepa. 17836 Results concerning humoral immunity of Pyrr-

hocoris apterus I. and Galleria mellonella F. Electrical activity in insect nerve cell bodies.

17846 Effects of mold inhibitors in larval diet on the biology of the cabbage looper.

17847 Effect of the chemosterilant metera on the

housefly, Musca domestica L. 17848 Comparison of application rates of some soil in-

secticides for control of western corn rootworm larvae in Missouri. 17866

Nucleoprotein synthesis during metamorphosis in Drosophila virilis.

17872 Aspartate aminotransferase in the pea aphid,

Acyrthosiphon pisum (Harris). 17876 Ethylene oxide for the control of American foul-

brood in honey bees.

su-tu strain.

17881

Some aspects of isolevcine metabolism in the yellow fever mosquito, Aedes aegypti (L.).

17891 On the tetrapyrrolic pigments, essential con-

stituents of homochrome:coloration in Oedipoda coerulescens L. (Acridae, Orthoptera). 17895

Permeability and excitation of insect muscle. 17896

Pyrethrins-piperonyl butoxide applied as a fog in an empty grain bin. 17897

Comparative life histories of chlordane-resistant and nonresistant German cockroaches.

Physiological genetics of melanotic tumors in Drosophila melanogaster . V. Amino acid metabolism and tumor formation in the tu bw; st

17902

Spermidine, the major polyamine component of turnip yellow mosaic virus. (Abstract).

17946

The suppression of actinomycetes by PCNB in culture media used for enumerating soil bacteria. 17980

Relationship of ethylene to curly top symptoms. (Abstract).

17988

The response of bean to ozone as related to infection by Pseudomonas phaseolicola. (Abstract).

Resistance breakdown in maize to maize dwarf mosaic virus after treatment with atrazine. (Abstract).

Studies on the pathogen and vector of dutch elm disease. A. Morphogenesis in Ceratocystis ulmi.

BIOLOGICAL ASSAY Survival and growth of Fomes annosus at high B Chemicals stimulating feeding by Scolytus The effect of diet on the utilization of stable and multistriatus. Il. An improved method for the radioactive copper in ruminants. concentrations of borax. (Abstract). 18334 isolation of a toxic metabolite from Rhizoctonia 18450 leguminicola Biochemical and serologic characterestics of Red pine meedle structure. Vibrio isolants from cattle. 18451 18337 Systematic insecticide seed treatment tests on A biochemical role for boron. soybeans, bowling, c.c. The influence of the host cell, ionic strength and 18456 18082 chymotrypsin on foot-and-mouth disease virus Oxalate biosynthesis and pathways for glucose electrophoretic mobility. Control of the birch leaf minor with disulfoton. catabolism in Sclerotium rolfsii Sacc. 18086 18459 Effects on populations of corn rootworms of al-Further evaluation of animal systemic insecti-Oxalic acid biosynthesis by Sclerotium rolfsii. cides, 1967. drin residues in soil four years after application (Abstract). 18347 18460 Horn fly control with coumaphos. Studies on a biological and a chemical method of Light stimulated biosynthesis of gibberellins in 18349 controlling the dark rice field mosquito in Loui-Fusarium moniliforme. Northern fowl mite control on mature turkeys on 18462 A physiologic-genetic study of the differential 18350 Further evaluation of acaricides for brown wheat response of navy beans (Phaseolus vulgaris L.) to mite control on winter wheat in Kansas, 1963-65 The blood of rabbits infected with Strongyloides 18091 papillosus after 20 serial passages through rab-Introduction to Bacillus thuringiensis and its 18367 Wound-induced gibberellins. 18103 Degradation of diazinon by synergistic microbial Reinfestation of forest sites by the Texas leaf-Red light induction of gibberellin synthesis in 18384 leaves. cutting ant. 18107 Niagara NIA-10242 insecticide residues: Their persistence in coastal bermudagrass, corn, and The tolerance of imported commodities to fu-Studies on the fungitoxicity of captan. Vi. silages, and their effect, fed in silage, on lactating Decomposition of 35S-labelled captan by Neumigation with methyl bromide. 18112 rospora crassa conidia. 18400 Studies on hydrogen phosphide against the red 18469 flour beetle in a column of paddy. Insecticide residues in pest control. Metabolism of amitrole (3-amino-1, 2, 4-triazole) 18401 in relation to the differential susceptibility of Cir-Residues of diazinon, coumaphos, ciodrin, sium arvense (L.) scop. ecotypes. Chemical control of the sunflower moth on sunmethoxychlor, and rotenone in cow's milk from treatments similar to those used for ectoparasite 18123 Notice of filing of petition regarding pesticide and fly control on dairy cattle, with notes on chemicals. kirk, j k. Control of the elm leaf beetle in Arizona. safety of diazinon and ciodrin to calves. 18128 18403 Nutritional requirements of a tomato tissue cul-The influence of plant-growth substances and Swedish studies of game that had been found ture: Growth promoting factors from peas. their inhibitors on the host-parasite relationships dead as well as specimens that had been shot. 18478 of Aphelenchoides ritzemabosi in culture. 18411 18155 The study of the effect of amitrol on the respira-On the principal way of attack of rotenone in tion and activity of some enzymes in poppy Fencerow weed control made easy. 18165 plants (Papaver somniferum L.). 18479 Chemical control of nutsedge (Cyperus rotundus The toxicology of different organo-mercurials Effect of 3-indoleacetic acid on phospholipid L.) and the metabolism of 3,6-dichloro-O-anisic used as fungicides. membrane components of Avena coleoptiles acid (dicamba). 18169 18481 Effects of plant growth regulators and other Hyperglyceamia induced by 5-hydroxytryptamin BIOLOGICAL ASSAY compounds on flow of latex in Hevea brasiliensis. in Achatina fulica (gastropod mollusca). A sex pheromone from the citrus mealybug. 17828 Effect of culture filtrates of Pseudomonas The effect of exposure to dieldrin on avoidance New techniques to bioassay the sex attractant of phaseolicola on the growth of excised roots and response extinction and conditioned heart rate in callus tissue cultures of bean. (Abstract). pink bollworms with olfactometers. sheep. 18422 17829 The selectivity and activity of s-triazine herbi-A study of the nuclear polyhedrosis virus on the Mercury content in feathers of Swedish birds cides in banana plants. beet armyworm, Spodoptera exigua (Hubner), from the past 100 years. with emphasis on stability, pathogenicity and 18198 histopathology. Influence of micro-organisms on the distribution Factors affecting the storage, excretion, and in roots of phosphate labelled with phosphorusplacental transfer of dieldrin in dairy cattle. 32. Fungistatic constituents in citrus varieties re-18218 18424 sistant to the mal-secco disease. Some physiological responses of ruminants to Effect of thiram upon glucose catabolism by 18046 2,2-dichlorovinyl dimethyl phosphate. Fusarium oxysporum. (Abstract). The effect of decomposing organic matter on 18425 zinc level in soil and plants. Immunochemical and biochemical interrelation-Interaction of growth regulators in the 18061 ship of Streptococcus agalactiae to the bovine senescence of nasturtium leaf disks. A bioassay technique for screening feeding 18238 18426 stimulants for larvae of tobacco budworm. Effects of selenium and vitamin E on nutritional Laboratory tests of fungicides 18096 against muscular dystrophy in lambs. Peronospora parasitica (Pers. ex. Fr.) Fr. Mineral and endocrine interrelationships in renal 18433 calcification. Basic biological characteristics of mycoplasma. Plant growth regulations in Ditylenchus dipsaci, 18277 Ditylenchus triformis and host tissues. Improved techniques for the detection of foot-18437 Foot-and-mouth disease in swine. II. Some physiand-mouth disease virus in carrier cattle. calchemical characteristics of antibodies Swedish restrictions concerning the use of mer-18325

phytopathogenic bacteria. (Abstract).

cury compounds for seed disinfection.

The interrelationships of Rhizoctonia solani and

Helminthosporium vagans, nitrogen, and variety

Disc electrophoresis of sonic extracts of five

42

on alkaloids in Festuca arundinacea. (Abstract)

produced by chemically-treated and non-treated

Biochemical and biophysical properties of

lonizing irradiation of foot-and-mouth disease

18289

18306

18309

foot-and-mouth disease virus.

virus and its ribonucleic acid.

canine distemper virus.

18331

18443

18444

18473

18467

18492

Wound-induced gibberellins.

tibiotic phytoactin.

BIOLOGICAL CLOCKS

Chemistry and physiologic action of the an-

Stomatal movements; a yearly rhythm.

BIOLOGICAL	CONTROL	(INSECTS)
------------	---------	-----------

Investigations on the Heliothis nuclear polyhedrosis virus and its development as a biological control agent.

The infection of Boophilus microplus with Babesia bigemina.

Metabolism of C14-labeled hemel in male house 17798 Preliminary evaluation of a granulosis virus for

control of the codling moth. Bionomics, enemies and population dynamics of

Javesella pellucida (F.) (Hom., Delphacidae) 17875 Studies on a biological and a chemical method of

controlling the dark rice field mosquito in Louisiana.

BIOLOGICAL CONTROL (PESTS)

Commonwealth Institute of biological control-Indian Station.

17923 Analysis of competition in model systems. (Ab-

stract). 17949

BIOLOGICAL TRANSPORT

Duck plague.

18263

BIOLOGY

The biology and ecology of Fusarium oxysporum f. melonis in soil and the root zones of host and nonhost plants.

Biological and ecological relationships of the fungus, Entomophthora coronata (Costantin) Kevorkian and the garden symphylan, Scutigerella immaculata (Newport).

18012

Effect of organo-Phosphorus insecticides on the warm blooded animals and cure thereof.

18193

18277

Avian adeno-like viruses- Characterization and comparison of seven isolates.

Basic biological characteristics of mycoplasma.

The effect of environmental and biological factors on the persistence of malathion applied in low volume technical and emulsifiable concentrate forms to cotton plants.

18386

Response of early-weaned pigs to amino acid supplementation of corn diets.

18391

Water pollution. Effects of pollution on fish life. General aspects of water pollution biology.

Isolation, identification, purification, and biological properties of the antibiotic phytoactin.

BIOPHYSICS

Electron optical and buoyant density studies of hog cholera virus.

Foot-and-mouth disease in swine. II. Some physicalchemical characteristics of antibodies produced by chemically-treated and non-treated foot-and-mouth disease virus.

18289

Biophysical studies of Teschen disease virus (Talfan strain).

The influence of the host cell, ionic strength and chymotrypsin on foot-and-mouth disease virus electrophoretic mobility.

18345

Distribution of mercury compounds in fish and 18180

Mercury content in feathers of Swedish birds from the past 100 years.

Actions of vitamin D3 and sex hormones on calcium metabolism of bone in birds, particularly in

Increased incidence of avian leukosis in response to excess vitamin A.

BLABERIDAE

Reproduction of some poorly known species of Blattaria.

BLABERUS DISCOIDALIS

Reproduction of some poorly known species of Blattaria.

BLACK POD (CACAO)

Increasing the efficacy of fungicidal control of black pod rot of cacao incited by Phytophthora palmivora. (Abstract).

BLACK SHANK (TOBACCO)

Interaction of Meloidogyne javanica Phytophthora parasitica var nicotianae on Nicotiana tabacum (N. C. 95.' (Abstract).

BLAST (RICE)

Studies on the chemical control of rice blast caused by Piricularia oryzae Cav. 17942

Relationships among races of Pyricularia oryzae. (Abstract.

BLATTA ORIENTALIS

Influence of repellency on the efficacy of blatticides. IV. Comparison of four cockroach species.

BLATTELLA GERMANICA

Latest research plans on the problem of cockroach resistance.

18036

18016

Influence of repellency on the efficacy of blatticides. IV. Comparison of four cockroach species. 17814

Comparative life histories of chlordane-resistant and nonresistant German cockroaches. 17901

BLATTIDAE

Let's talk about the advantages of bait. 17874

BLINDNESS

An enzootic of pseudorabies in swine in Califor-

18257

BLISTER RUST (PINUS MONTICOLA)

Concentrations of solutes in blister rust infections of western white pine. (Abstract).

The effect of blood-feeding on the longevity of radiationresistant yellow-fever mosquitoes. 17885

Response of lymphocyte-depleted calves to fluid tetanus toxoid.

On the development of Cysticercus fasciolaris in albino rat liver and its reaction on the host tissue.

Growth and development of the bovine as related to certain endocrine factors.

Pathological changes of blood depending on sex and age of rabbits experimentally infected with a sheep strain of Strongyloides papillosus.

The blood of rabbits infected with Strongyloides papillosus after 20 serial passages through rab-18367

BLOOD CELLS

18198

Influence of a virus disease on the hemocytic anticryptogramic reactions in insects.

Pathological changes of blood depending on sex and age of rabbits experimentally infected with a sheep strain of Strongyloides papillosus.

18358

papillosus after 20 serial passages through rab-bits. The blood of rabbits infected with Strongyloides

BLOOD CHEMISTRY

Low temperature irradiation applied to neutron activation analysis of mercury in human whole blood.

BLOOD MEAL

Retraction of the claim that host pregnancy affects pupal production by the tsetse fly.

BLOOD PLASMA

Levels of 5 beta-pregnan-3 alpha, 6 alpha-diol-20-one in urine and its relationship to other metabolites of progestrone in urine of the nonpregnant domestic sow.

BLOOD PROTEINS

Effect of aflatoxin on serum protein fractions of day-old ducklings. 18191

BLOOD SERUM

Influence of dietary vitamin A on cholesterol metabolism of chickens.

18185 Water, electrolyte, and acid-base alterations in

experimental canine leptospirosis.

Serologic response of swine to Escherichia coli antigens.

The utilization of vitamin A and carotene by ruminants. 1. Vitamin A potency of carotenes in corn silage fed to lambs. 2. The effect of time and route of administration of vitamin A on liver vitamin A storage by steers. 3. The effect of route of administration of vitamin A on blood serum and liver vitamin A concentrations in steers at subsequent time intervals.

18281

Mineral and endocrine interrelationships in renal calcification.

Experimental production of rheumatoid arthritis of swine: Physiopathologic changes of tissues.

18319

BLUE DWARF (OATS) Natural acquisition compared with mechanical

inoculation of six-spotted leafhoppers for transmission of the oat blue dwarf virus. (Abstract). 18085 **BLUE STAIN (CONIFERAE)**

Pathogenicity of some blue-stain fungi in the genus Ceratocystis. (Abstract). 17945

BLUETONGUE

Bluetongue of sheep and cattle: past, present, and future. 18217

Experimental bluetongue disease in white-tailed

17943

deer.

BLUETONGUE VIRUS

18336

Larch sawfly survival in relation to water levels and microtopography in tamarak bogs. 17839

BOLL ROT (COTTON)

Evaluation of systemic fungicides and insecticides for the control of cotton boll rot in vitro. (Abstract).

BOMBUS

The foraging behavior of honeybees (Apis mellifera) and bumblebees (Bombus Spp.) on

BOMBYX MORI

blackeur	rrant	(Ribes nigr	um),	raspt	ег	ry	(Rub	us
	and	strawberry	(Fra	garia	Х	an	anass	sa)
flowers.							177	3.7

BOMBYX MORI

Accumulation of glycine in the fat body of the silkworm, Bombyx mori L.

Electrophoretic variation of proteinase in the digestive juice of the silkworm, Bombyx mori L 17815

Enzymatic hydrolysis of the encysted parasporale of Bacillus thuringiensis by Bombyx mori L. proteases.

BONE MARROW

Hemophilia-like disease of swine: Cytogenetic

18223

17852

BONES

Actions of vitamin D3 and sex hormones on calcium metabolism of bone in birds, particularly in hens

BOOPHILUS MICROPLUS

The infection of Boophilus microplus with Babesia bigemina.

17795

Tick resistance in cattle: its stability and correlation with various genetic characteristics.

18348

Resistance of cattle to the tick Boophilus microplus (Canestrini). II. Stages of the life cycle of the parasite against which resistance is manifest.

Survival and growth of Fomes annosus at high concentrations of borax. (Abstract).

BORON

Relation of boron to cherry rosette discase in Oregon, and the possible implication of a virus

A biochemical role for boron.

18456

BOUTELOUA CURTIPENDULA Desert grassland mesquite and fire.

BOUTELOUA GRACILIS

Desert grassland mesquite and fire. 17919

BOVINE PAPILLOMA VIRUS

The response of various tissues in neonate calves to bovine papilloma virus (BPV).

Electron microscopy of bovine papilloma and deer fibroma viruses.

BOVINE VIRUS DIARRHEA VIRUS

Characterization of bovine viral diarrhea viruses by their interactions with susceptible host cells

18243

17919

BRACHYRHINUS SULCATUS Black vine weevil larval damage to concord grape roots at different population densities.

BRAIN

Content and synthesis of gamma aminobutyric acid in the larval brain of Drosophila melanogaster. 17799

Salmonella dublin meningitis in piglets

18287

18115

BRASSICA

Control of mustard aphid (Lipaphis erysimi Kalt.) by systemic insecticides.

BRASSICA JUNCEA

The development of Albugo candida-induced 'green islands' on Brassica juncea cotyledons. 17992

BREEDING

Bionomics of the mosquito Anopheles franciscanus Mccracken in California.

17783

Electrophoretic variation of proteinase in the digestive juice of the silkworm, Bombyx mori L 17815

Difference in response of two strains of screwworm flies to the male pheromone.

17823

Reproductive behavior of the potato tuberworm, Phthorimaea operculella (Zeller), (Lepidoptera: Gelechiidae) and the effect of the chemosterilant

17836

The flight range of Simulium damnosum.

17854

Tetraploid females in the hymenopteron, Mormoniella.

Lack of cytoplasmic inheritance of alfalfa resistance to the spotted alfalfa aphid. 18099

Role of host plant in production of winged forms by a green strain of pea aphid Acyrthosiphon

Resistance of southern peas to the cowpea cur-

18125

BROADBEANS

The tolerance of imported commodities to fumigation with methyl bromide.

Role of host plant in production of winged forms by a green strain of pea aphid Acyrthosiphon pisum.

18120

RROCCOLL

Anthocoris melanocerus as a predator of the green peach aphid on sugar beets and broccoli.

BROWN ROT (APPLES)

Pectin methyl-trans-eliminase as the maceration factor of Sclerotinia fructigena and its significance in brown rot of apple.

BROWN RUST (WHEAT)

On light-sensitivity in germinating uredospores of wheat brown rust.

18080

BRUCELLA SUIS

Histopathologic changes in male swine with experimental Brucellosis. 18237

BRUCELLOSIS

Histopathologic changes in male swine with experimental Brucellosis. 18237

Utilization of the card test in brucellosis eradication. 18299

BUFFER SUBSTANCES

Hog cholera: Replication of hog cholera virus in tissue culture with cytopathic effect. 18231

BULBS

On the dispersal of the bulbs of Oxalis cernua Thunb. by mole-rats (Spalax ehrenbergi Nehring). 18163

Effect of bursectomy on the rous virus tumour induction in chickens.

BUSH REDPEPPERS (VEGETABLE)

Effect of Xanthomonas vesicatoria on loss of electrolytes from leaves of Capsicum annuum.

BUSHY STUNT (TOMATOES)

Tomato bushy stunt virus on tomato crops in Ar-18047

BUTTERFLIES

Some aspects of mating behavior in butterflies.

17864

Circadian emergence rhythm of a tropical scolytid, Xyleborus ferrugineus.

17767

Increasing the efficacy of fungicidal control of black pod rot of cacao incited by Phytophthora palmivora. (Abstract).

18041

CADMIUM

Relationships between zinc nutrition and alkaline phosphatase activity in the chick. 18220

CADRA CAUTELLA

Chambers for collecting and observing single pupae of three stored-product moths.

17883

CALCIFICATION (PHYSIOLOGICAL)

Mineral and endocrine interrelationships in renal calcification. 18292

CALCIUM Actions of vitamin D3 and sex hormones on cal-

cium metabolism of bone in birds, particularly in

Water, electrolyte, and acid-base alterations in

18244

Effect of calcium availability on alfalfa grown in calcareous high sodium soils. 18464

CALIFORNIA ENCEPHALITIS VIRUS

experimental canine leptospirosis.

California-encephalitis-group viruses in Florida rabbits: Report of experimental and sentinel stu-

18265

CALLIPHORA VICINA

The formation of the cuticular ridges in the larval pharynx of the blowfly (Calliphora vicina R.-D.).

CALLUS (PLANTS)

Isolation and properties of Plasmodiophora brassicae plasmodia from infected crucifer tissues and tissue culture callus. (Abstract).

18008

Cytomorphological features of TMV-INFECTED tobacco callus cells in tissue culture.

18063

CALONECTRIA NIVALIS

Ecology and possible significance of Perithecia of Calonectria nivalis in the Pacific Northwest. 17971

Growth and development of the bovine as related to certain endocrine factors.

18234

Gastrointestinal parasitism in feeder calves of southern Illinois.

18279

Response of lymphocyte-depleted calves to fluid tetanus toxoid. 18293

Age susceptibility and excretion of Salmonella typhimurium in calves.

CAMPONOTUS

New data concerning the ant genus Camponotus (Hymenoptera, Formicidae) from the uSSR fauna. 17739

CANDIDA ALBICANS

On a mechanism of fungicidal action of surfaceactive agents.

18475

CANINE DISTEMPER VIRUS

Biochemical and biophysical properties of canine distemper virus.

18306

CANKER (PLUMS)

Systemic-chemical paints for the control of Cytospora canker disease in prune trees.

CANKER	(POPHILIS	DELTOIDES

Susceptibility of weakened cottonwood stems to fungi associated with blackstem. 18055

CANKER (POPULUS TRICHOCARPA)

Susceptibility of weakened cottonwood stems to fungi associated with blackstem. 18055

17816

17785

CANKER (POPULUS)

Occurrence of poplar cankers caused by Fusarium solani in Iowa. 17975

CANTALOUPES

Vegetable crops III. Cucumbers, watermelons, cantaloupes, squash. 18168

CAPTAN

Chemical control of the stem nematode Ditylenchus dipsaci.

Studies on the fungitoxicity of captan. Vi. Decomposition of 35S-labelled captan by Neurospora crassa conidia.

CARABIDAE

Defense mechanisms of arthropods. XXI. Formic acid and n-nonyl acctate in the defensive spray of two species of Helluomorphoides.

CARBAMATES

Organothiocyanates as insecticides and carbamate synergists.

Tests with insecticides for the control of resistant Myzus persicae (Sulzer) on year-round chrysanthemums.

18095

Anthelminthic activity of some carbamate derivatives. 18374

CARBARYL

Organothiocyanates as insecticides and carbamate synergists.

Note on the determination of carbaryl residues in hen skin.

CARBOHYDRATES

Carbohydrate distribution in grafted potato plants representing two types of resistance to

17948

18406

Effect of ration modifications on aflatoxicosis in

18382

Effect of defoliants on carbohydrate and nitrogen metabolism in cotten plant leaves.

CARBON

the rat.

The effect of carbon source, carbon to nitrogen ratios, and organic amendments on survival of propagules of Verticillium albo-atrum in soil.

CARBON DIOXIDE

Selective recovery of volatile products from house flies treated with radioactive insecticide chemicals and synergists. 17796

Anaerobic metabolism of Albugo candida-infected radish cotyledons.

17953

Premature death of adult rusted wheat plants in relation to carbon dioxide evolution by root systems.

Carbon dioxide-powered plot sprayer for turfgrass disease control fungicide application.

Active uptake of Helminthosporium carbonum toxin and its effect on CO2 dark fixation by corn. (Abstract). 18453

CARBON ISOTOPES

Selective recovery of volatile products from house flies treated with radioactive insecticide chemicals and synergists.

17796

Metabolism of C14-labeled hemel in male house

17798

Some aspects of isolevcine metabolism in the vellow fever mosquito, Aedes aegypti (L.).

17891

18384

17764

Degradation of diazinon by synergistic microbial action.

CARBONATES

Oxalate metabolism in sheep and its effect on the anion-cation balance. 18188

CARBOXYLIC ACIDS

Quantitative changes in organic acids in roots and leaves from grapefruit seedlings infected with Rhadopholus similis. 18138

CARCASSES

Hemiptera associated with pig carrion.

CARDIOCHILES NIGRICEPS

Egg and larval development of Cardiochiles nigriceps.

Studies of the suitability of certain Heliothis spp. as a host for Cardiochiles nigriceps Vierick.

CAROTENES

The utilization of vitamin A and carotene by ruminants. 1. Vitamin A potency of carotenes in corn silage fed to lambs. 2. The effect of time and route of administration of vitamin A on liver vitamin A storage by steers. 3. The effect of route of administration of vitamin A on blood serum and liver vitamin A concentrations in steers at subsequent time intervals.

Influence of dietary vitamin A on cholesterol metabolism of chickens.

CARPOCAPSA POMONELLA

Preliminary evaluation of a granulosis virus for control of the codling moth.

17822

CARROTS

The influence of crop-rotation on the attack of carrots by Meldidogyne hapla Chitw. and symptom formation. 18068

Residues of diazinon in carrots after treatment against cyclodiene-resistant carrot rust fly.

CATS

Characterization studies on feline panleucopenia virus. (with). II. Pathogenesis in the host.

Serologic survey for toxoplasma antibodies in a colony of research dogs and cats in California.

18323

Eight feline viruses: An electron microscopic stu-

The occurrence of bacteria in chronic purulent eve discharge.

Lesions caused by the hepatic trematode, Metorchis conjunctus, Cobbold, 1860; A comparative study in Carnivora.

18369

A review of drug toxicity in the cat.

18420

CATTLE Further studies on the effect of bovine diet on face fly development.

17766

The development of Theileria parva in the salivary glands of the tick, Rhipicephalus appendicu-

Response of beef cows to exogenous progesterone and estradiol at various stages post-

Nematodiasis in Louisiana dairy cattle, Impact of host nutrition upon experimental ostertagiasis in the bovine.

Bluetongue of sheep and cattle: past, present, and future. Immunochemical and biochemical interrelationship of Streptococcus agalactiae to the bovine.

18238

A comparative study of cell wall glycopeptide structure of some bovine vibrios.

18247 The experimental use of bull semen contaminated with Pseudomonas aeruginosa organ-

18249

The response of various tissues in neonate calves to bovine papilloma virus (BPV).

An outbreak of ringworm among cattle in

18252 Mycoplasmas: their role in bovine disease.

18264

Pathology a-d immunofluorescence studies of

bovine mycoplasma mastitis.

Contagious bovine pleuropneumonia and the problems associated with its control.

The utilization of vitamin A and carotene by ruminants. I. Vitamin A potency of carotenes in corn silage fed to lambs. 2. The effect of time and route of administration of vitamin A on liver vitamin A storage by steers. 3. The effect of route of administration of vitamin A on blood serum and liver vitamin A concentrations in steers at subsequent time intervals.

18281

Psittacosis-lymphogranuloma venereum agent isolated during an abortion epizootic in goats.

18286

Utilization of the card test in brucellosis eradica-

Some factors affecting interferon production by foot-andmouth disease virus in bovine tissue cul-

Interference between modified and virulent strains of footand-mouth disease virus.

18317

Improved techniques for the detection of footand-mouth disease virus in carrier cattle.

The epizootiological importance of foot-andmouth disease carriers. I. Experimentally produced foot-and-mouth disease carriers in susceptible and immune cattle. 18326

Electron microscopy of bovine papilloma and

Administration of glycuronic acid and its excretion in dairy cows.

deer fibroma viruses.

Biochemical and serologic characterestics of Vibrio isolants from cattle.

18337

Further evaluation of animal systemic insecticides, 1967. Tick resistance in cattle: its stability and correla-

tion with various genetic characteristics. 18348

CECIDOMYIIDAE

Horn fly control with commaphos. 18349 Resistance of cattle to the tick Boophilus	Degradation of cellular ribonucleic acid in New-	
Resistance of cattle to the tick Boophilus	castle disease virus infected cells.	Seasonal variation in the concentration of eaesi um-137 in grass and alfalfa.
	18258	1848
microplus (Canestrini). II. Stages of the life cycle	Effects of genetic cellular resistance on cell	CESTODA
of the parasite against which resistance is	transformation and virus replication in chicken	An electron microscope study of the tegumer
manifest	hematopoietic cell cultures infected with avian	and associated structures of the procercoid of
18351	myeloblastosis virus (BAI-0A).	Diphyllobothrium latum (L.).
	18295	1835
Cattle-mosquito study begins in south Texas.		Hydatid latex agglutination with scolex an
18352	Experimental transmission of two canine	crude polysaccharide antigens.
Effect of desiccation on survival of the free-living	neoplasms. Lymphosarcoma and mast cell leu-	1836
stages of Trichostrongylus colubriformis.	kemia. 18310	
18353		CHALCODERMUS AENEUS
A new technique for the recovery of Fasciola gi-	Eight feline viruses: An electron microscopie stu-	Resistance of southern peas to the cowpea cur
gantica eggs from cattle facces.	dy.	culio.
18354	18324	1812
	Electron microscopy of bovine papilloma and	CHEMICAL CONTROL (INSECTS)
A method for evaluation of vaccines containing	deer fibroma viruses.	Subterranean termite studies in southern Or
pasteurella multocida. 18380	18328	tario.
	On the development of Cysticercus fasciolaris in	1774
Niagara NIA-10242 insecticide residues: Their	albino rat liver and its reaction on the host tissue.	Organothiocyanates as insecticides and carba
persistence in coastal bermudagrass, corn, and	18381	mate synergists.
silages, and their effect, fed in silage, on lactating		1778
cows.	Effect of ration modifications on aflatoxicosis in	Chemical sterilization of the stable fly Stomoxy
18400	the rat.	
Agricultural (livestock) wastes.	18382	calcitrans (Linne), with metepa and hempa.
18404	CENTRIFUGATION	
CECIDOMYIIDAE	The response of various tissues in nconate calves	Influence of repellency on the efficacy of blatt
	to bovine papilloma virus (BPV).	cides. IV. Comparison of four cockroach specie
Ecology of insect swarms. V. Movement of in- dividual midges, Anarete pritchardi, within a	18251	1781
		Field tests of chemicals for control of the Eu
swarm.	CEPHALOSPORIUM GREGATUM	ropean corn borer.
17801	Sporulation of Cephalosporium gregatum on	1783
CELERY	naturally infested soybean straw. (Abstract).	Reproductive behavior of the potato tuberworn
Conditions for infection of celery by Septoria	18455	Phthorimaea operculella (Zeller), (Lepidoptera
apiicola.	CERAMBYCIDAE	Gelechiidae) and the effect of the chemosterilar
18059	Contribution to the study of the genera Stizocera	metepa.
Manganese toxicity in celery.	Serv., 1834. Brazilian species (Coleoptera,	1783
18413	Cerambycidae).	
	17774	Effect of the chemosterilant metepa on th
CELL NUCLEUS	CERATOCYSTIS	housefly, Musca domestica L.
Investigations on the Heliothis nuclear	Pathogenicity of some blue-stain fungi in the	1784
polyhedrosis virus and its development as a		Comparison of application rates of some soil in
biological control agent.	genus Ceratocystis. (Abstract).	secticides for control of western corn rootworn
17779		larvae in Missouri.
Ordered chromosomal DNA synthesis in Droso-	CERATOCYSTIS ULMI	1786
phila melanogaster.	A mechanism of enhanced resistance to Cerato-	Let's talk about the advantages of bait.
17835	cystis ulmi in American elms treated with sodium	1787
CELL WALL	trichlorophenylacetate.	
A comparative study of cell wall glycopeptide	17956	Pyrethrins-piperonyl butoxide applied as a fog i
structure of some bovine vibrios.	Studies on the pathogen and vector of dutch elm	an empty grain bin. 1789
18247	disease. A. Morphogenesis in Ceratocystis ulmi.	
	B. Chemicals stimulating feeding by Scolytus	Comparative life histories of chlordane-resistar
CELLS	multistriatus. II. An improved method for the	and nonresistant German cockroaches.
Electrical activity in insect nerve cell bodies.	isolation of a toxic metabolite from Rhizoctonia	1790
		Systematic insecticide seed treatment tests of
17846	leguminicola.	
17846 Growth of arboviruses in monolayers from sub-	leguminicola. 18051	
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Growth of arboviruses in monolayers from subcultured mosquito embryo cells. 17870 Cellular immune responses of insects to foreign tissue implants. 17871 Selective staining of dead cells in bean leaves injured by ozone. 17931 Ultrastructure of Zea mays leaf cells infected with Johnson grass strain of sugarcane mosaic virus. (Abstract). 17986 Ultrastructural changes in apple leaf cells induced by virulent and avirulent strains of Erwinia amylovora. (Abstract). 17989 Bacterial canker of tomato; inoculum level needed for infection. 18071 Attempted cultivation of nematode cells. (Abstract). 18133 Seminal vesiculitis syndrome: Lesions in genital organs of young bulls. 18208 Characterization studies on feline panleucopenia virus. (with). Il. Pathogenesis in the host.	CERCOSPORA CONVOLVULI Some additions to the species of Cercospora from West Pakistan. CERCOSPORA MEDICAGINIS Some additions to the species of Cercospora from West Pakistan. 18040 CERCOSPORA MEDICAGINIS Some additions to the species of Cercospora from West Pakistan. 18040 CERCOSPORA CONVOLVULI Some additions to the species of Cercospora from West Pakistan. 18040 CERCOSPORA MEDICAGINIS Some additions to the species of Cercospora from West Pakistan. 18040 CERCOSPORA PREMNAE Some additions to the species of Cercospora from West Pakistan. 18040 CERCOSPORA PREMNAE Some additions to the species of Cercospora from West Pakistan. 18040 CERCOSPORA PREMNAE Some additions to the species of Cercospora from West Pakistan. 18040 CESIUM Determination of cesium-137 and related sam-	sóybeans. bowling, c c. 1808 Aluminum foil and white polyethylene mulche to repel aphids and control watermelon mosaic. 1808 Control of the birch leaf minor with disulfoton. 1808 Further evaluation of acaricides for brown whet mite control on winter wheat in Kansas, 1963-6: 1809 Residues of diazinon in carrots after treatmer against cyclodiene-resistant carrot rust fly. 1809 Reinfestation of forest sites by the Texas leacutting ant. 1810 The tolerance of imported commodities to funigation with methyl bromide. 1811 Chemical control of the sunflower moth on sur flowers. 1812 Control of the elm leaf beetle in Arizona. 1812 Further evaluation of animal systemic insect cides, 1967. 1834 Horn fly control with coumaphos.
Growth of arboviruses in monolayers from subcultured mosquito embryo cells. 17870 Cellular immune responses of insects to foreign tissue implants. 17871 Selective staining of dead cells in bean leaves injured by ozone. 17931 Ultrastructure of Zea mays leaf cells infected with Johnson grass strain of sugarcane mosaic virus. (Abstract). 17986 Ultrastructural changes in apple leaf cells induced by virulent and avirulent strains of Erwinia amylovora. (Abstract). 17989 Bacterial canker of tomato; inoculum level needed for infection. 18071 Attempted cultivation of nematode cells. (Abstract). 18133 Seminal vesiculitis syndrome: Lesions in genital organs of young bulls. 18208 Characterization studies on feline panleucopenia	CERCOSPORA CONVOLVULI Some additions to the species of Cercospora from West Pakistan. CERCOSPORA MEDICAGINIS Some additions to the species of Cercospora from West Pakistan. CERCOSPORA MEDICAGINIS Some additions to the species of Cercospora from West Pakistan. 18040 CERCOSPORA MEDICAGINIS Some additions to the species of Cercospora from West Pakistan. 18040 CERCOSPORA MEDICAGINIS Some additions to the species of Cercospora from West Pakistan. 18040 CERCOSPORA MEDICAGINIS Some additions to the species of Cercospora from West Pakistan. 18040 CERCOSPORA PREMNAE Some additions to the species of Cercospora from West Pakistan. 18040 CERCOSPORA PREMNAE Some additions to the species of Cercospora from West Pakistan. 18040 CESIUM Determination of cesium-137 and related sampling problems of dairy cattle feeds, 1962-1967.	Soybeans, bowling, c.c. 1808 Aluminum foil and white polyethylene mulche to repel aphids and control watermelon mosaic. 1808 Control of the birch leaf minor with disulfoton. 1808 Further evaluation of acaricides for brown wheat mite control on winter wheat in Kansas, 1963-6; 1809 Residues of diazinon in carrots after treatmer against cyclodiene-resistant carrot rust fly. 1809 Reinfestation of forest sites by the Texas leacutting ant. 1810 The tolerance of imported commodities to funigation with methyl bromide. 1811 Chemical control of the sunflower moth on sur flowers. 1812 Control of the elm leaf beetle in Arizona. 1812 Further evaluation of animal systemic insect cides, 1967.
Growth of arboviruses in monolayers from subcultured mosquito embryo cells. 17870 Cellular immune responses of insects to foreign tissue implants. 17871 Selective staining of dead cells in bean leaves injured by ozone. 17931 Ultrastructure of Zea mays leaf cells infected with Johnson grass strain of sugarcane mosaic virus. (Abstract). 17986 Ultrastructural changes in apple leaf cells induced by virulent and avirulent strains of Erwinia amylovora. (Abstract). 17989 Bacterial canker of tomato; inoculum level needed for infection. 18071 Attempted cultivation of nematode cells. (Abstract). 18133 Seminal vesiculitis syndrome: Lesions in genital organs of young bulls. 18208 Characterization studies on feline panleucopenia virus. (with). Il. Pathogenesis in the host. 18233 Characterization of bovinc viral diarrhea viruses	CERATOPOGONIDAE Sensillae on the antennae of blood-sucking biting midges (Diptera, Ceratopogonidae). 17880 Culicoides control in the Canal Zone by water management. 17912 CERCOSPORA ALHAGI Some additions to the species of Cercospora from West Pakistan. 18040 CERCOSPORA CONVOLVULI Some additions to the species of Cercospora from West Pakistan. 18040 CERCOSPORA MEDICAGINIS Some additions to the species of Cercospora from West Pakistan. 18040 CERCOSPORA MEDICAGINIS Some additions to the species of Cercospora from West Pakistan. 18040 CERCOSPORA PREMNAE Some additions to the species of Cercospora from West Pakistan. 18040 CERCOSPORA PREMNAE Some additions to the species of Cercospora from West Pakistan. 18040 CESIUM Determination of cesium-137 and related sampling problems of dairy cattle feeds, 1962-1967. 18197	sóybeans. bowling, c c. 1808 Aluminum foil and white polyethylene mulche to repel aphids and control watermelon mosaic. 1808 Control of the birch leaf minor with disulfoton. 1808 Further evaluation of acaricides for brown whet mite control on winter wheat in Kansas, 1963-6: 1809 Residues of diazinon in carrots after treatmer against cyclodiene-resistant carrot rust fly. 1809 Reinfestation of forest sites by the Texas leacutting ant. 1810 The tolerance of imported commodities to funigation with methyl bromide. 1811 Chemical control of the sunflower moth on sur flowers. 1812 Control of the elm leaf beetle in Arizona. 1812 Further evaluation of animal systemic insect cides, 1967. 1834 Horn fly control with coumaphos.
Growth of arboviruses in monolayers from subcultured mosquito embryo cells. 17870 Cellular immune responses of insects to foreign tissue implants. 17871 Selective staining of dead cells in bean leaves injured by ozone. 17931 Ultrastructure of Zea mays leaf cells infected with Johnson grass strain of sugarcane mosaic virus. (Abstract). 17986 Ultrastructural changes in apple leaf cells induced by virulent and avirulent strains of Erwinia amylovora. (Abstract). 17989 Bacterial canker of tomato; inoculum level needed for infection. 18071 Attempted cultivation of nematode cells. (Abstract). 18133 Seminal vesiculitis syndrome: Lesions in genital organs of young bulls. 18208 Charaeterization studies on feline panleucopenia virus. (with). Il. Pathogenesis in the host.	CERATOPOGONIDAE Sensillae on the antennae of blood-sucking biting midges (Diptera, Ceratopogonidae). 17880 Culicoides control in the Canal Zone by water management. 17912 CERCOSPORA ALHAGI Some additions to the species of Cercospora from West Pakistan. 18040 CERCOSPORA CONVOLVULI Some additions to the species of Cercospora from West Pakistan. 18040 CERCOSPORA MEDICAGINIS Some additions to the species of Cercospora from West Pakistan. 18040 CERCOSPORA MEDICAGINIS Some additions to the species of Cercospora from West Pakistan. 18040 CERCOSPORA PREMNAE Some additions to the species of Cercospora from West Pakistan. 18040 CERCOSPORA PREMNAE Some additions to the species of Cercospora from West Pakistan. 18040 CESIUM Determination of cesium-137 and related sampling problems of dairy cattle feeds, 1962-1967. 18197 CESIUM ISOTOPES	Aluminum foil and white polyethylene mulche to repel aphids and control watermelon mosaic. 1808 Control of the birch leaf minor with disulfoton. 1808 Further evaluation of acaricides for brown whet mite control on winter wheat in Kansas, 1963-6: 1809 Residues of diazinon in carrots after treatmer against cyclodiene-resistant carrot rust fly. 1809 Reinfestation of forest sites by the Texas leacutting ant. 1810 The tolerance of imported commodities to fornigation with methyl bromide. 1811 Chemical control of the sunflower moth on surflowers. 1812 Control of the elm leaf beetle in Arizona. 1812 Further evaluation of animal systemic insect cides, 1967. 1834 Horn fly control with coumaphos.

Residues of diazinon, coumaphos, ciodrin, methoxychlor, and rotenone in cow's milk from treatments similar to those used for ectoparasite and fly control on dairy cattle, with notes on safety of diazinon and ciodrin to calves. 18403

CHEMICAL CONTROL (PESTS) Pesticides and pollution. SB959.0U4.

17863

Effect of variety on the control of potato late blight with fungicides. (Abstract).

18013

Insecticide residues in pest control.

18401

CHEMICAL CONTROL (PLANT DISEASES) Soil fumigants tested for control of crown gall

Chemical control of scab and anthracnose on susceptible varieties of Citrus in Florida. (Abstract). 17981

Chemical control of corn head smut.

18062

New fungicides effective for pecan scab control in Georgia.

18077

CHEMICAL CONTROL (WEEDS)

Evaluation of weed control treatments in fieldgrown tobacco. 18158

Weeds in agronomic crops. Field corn, soybeans. 18159

Ornamentals. 18164

Fencerow weed control made easy.

Chemical control of nutsedge (Cyperus rotundus L.) and the metabolism of 3,6-dichloro-O-anisic acid (dicamba).

Vegetable crops. IV. Beans, sweet corn, tomatoes, rhubarb.

18173

CHEMICAL REACTIONS

Mechanisms of inhibition and uncoupling of oxidative phosphorylation in housefly mitochon-

Degradation of diazinon by synergistic microbial action.

CHEMICALS

Selective staining of dead cells in bean leaves injured by ozone.

Studies on the chemical control of rice blast caused by Piricularia oryzae Cav.

17942

Chemical treatment of Hypoxylon cankers on aspen. (Abstract).

Effect of soil fungicides on development of fungi in soil and on kernels of groundnut.

Tests with insecticides for the control of resistant Myzus persicae (Sulzer) on year-round chrysanthemums.

Chemical control of the sunflower moth on sun-18123

Vegetable crops III. Cucumbers, watermelons, cantaloupes, squash.

Chemical control of nutsedge (Cyperus rotundus L.) and the metabolism of 3,6-dichloro-O-anisic acid (dicamba).

Oligosaccharidases from Macracanthorhynchus

hirudinaceus (Acanthocephala) from swine

Tolerances and exemptions from tolerances for pesticide chemicals in or on raw agricultural commodities. Diuron. 18396

Tolerances and exemptions from tolerances for pesticide chemicals in or on raw agricultural commodities, alphanaphthaleneacetic acid.

Tolerances and exemptions from tolerances for pesticide chemicals in or on raw agricultural commodities. Trifluralin.

Tolerances and exemptions from tolerances for pesticide chemicals in or on raw agricultural commodities. Ethyl 4,4'-Dichlorobenzilate.

18399

Effects of plant growth regulators and other compounds on flow of latex in Hevea brasiliensis.

Inorganic composition and microscopy of citrus roots grown under several copper and soil amendment conditions.

Effect of calcium availability on alfalfa grown in calcareous high sodium soils.

18464

Notice of filing of petition regarding pesticide chemicals, kirk, j k. 18476

CHEMISTRY

Immunochemical and biochemical interrelationship of Streptococcus agalactiae to the bovine.

Gas chromatographic detector for simultaneous sensing of phosphorus and sulfur-containing compounds by flame photometry. 18483

Isolation, identification, purification, and biological properties of the antibiotic phytoactin.

18489

Heterocyclically substituted monohalogeno-1,3,5-triazines. Patent 3,407,201.

18490

CHEMOSTERILANTS

Chemical sterilization of the stable fly Stomoxys calcitrans (Linne), with metepa and hempa.

Metabolism of C14-labeled hemel in male house

Reproductive behavior of the potato tuberworm, Phthorimaea operculella (Zeller), (Lepidoptera: Gelechiidae) and the effect of the chemosterilant metepa.

17836

17848

Effect of the chemosterilant metepa on the housefly, Musca domestica L.

CHEMURGY

Effects of urease inhibitors on sheep fed diets containing urea. 18182

CHERMES PICEAE

Survival of the balsam woolly aphid on Abies logs.

18084

CHERRIES Soil fumigants tested for control of crown gall.

Lipids of Venezuelan equine encephalomyelitis virus and their relationship to the lipids of the

Degradation of cellular ribonucleic acid in Newcastle disease virus infected cells. 18258

Isolation of a new toxin from cultures of Aspergillus flavus. 18416

CHICKEN EMBRYO LETHAL ORPHAN VIRUS Avian adeno-like viruses- Characterization and

comparison of seven isolates.

CHICKENS

Influence of dietary vitamin A on cholesterol metabolism of chickens.

18185

Experimental colibacillosis and the development of carries in laying hens.

Actions of vitamin D3 and sex hormones on calcium metabolism of bone in birds, particularly in

Establishment of the pathological relationship between plant and animal isolates of Geotrichum candidum, in embryonated chicken eggs.

Myoglobin in control and dystrophic chickens.

18250

Pathological changes of acute Newcastle disease in an outbreak in Miyazaki Prefecture with special reference to those of the cloaca.

Effects of genetic cellular resistance on cell transformation and virus replication in chicken hematopoietic cell cultures infected with avian myeloblastosis virus (BAI-0A).

18295

Effect of bursectomy on the rous virus tumour induction in chickens.

18311

Alterations in the response and functions of the chicken pancreas induced by feeding unheated and autoclaved soybean meal.

The penetration patterns of Salmonella typhimu-

rium through the outer structures of chicken Note on the determination of carbaryl residues in

hen skin. Morphological and physiological aspects of

sporogony and oocyst viability in the protozoan parasites Eimeria tenella and Eimeria stiedae (Coccidia).

CHICKS

Relationships between zinc nutrition and alkaline phosphatase activity in the chick.

On the Metacercaria of Prosthogonimus putschkowskii in Sympetrum decoloratum (Odonata: insecta) with observations on its development in chicks. 18370

CHLAMYDOSPORES Physiology of germination of chlamydospores of

Phytophthora cinnamomi. 18463 CHLORDANE

Comparative life histories of chlordane-resistant and nonresistant German cockroaches. 17901

CHLORINATED HYDROCARBONS

A review of drug toxicity in the cat.

18420

The effect of exposure to dieldrin on avoidance response extinction and conditioned heart rate in sheep.

CHLOROBENZILATE

Tolerances and exemptions from tolerances for pesticide chemicals in or on raw agricultural commodities. Ethyl 4,4'-Dichlorobenzilate.

CHLOROFORM

CHLOROPIDAE

Plant growth regulations in Ditylenehus dipsaci, Ditylenchus triformis and host tissues.

18437

CHLOROGENIC ACID

A study on auxin and chlorogenic acid in leaf-roll resistant and susceptible potato varieties.

CHLORTETRACYCLINE

CHI	ORT	FTR	ACY	(CI	.1NE

Qualitative identification of chlortracycline and oxytetracycline in feeds.

CHOLESTEROL

Influence of dietary vitamin A on cholesterol metabolism of chickens.

18185

CHROMATOGRAPHY

Factors influencing aflatoxin accumulation in peanut kernels and the associated mycoflora.

Constituents of the cotton bud. XIII. Further studies on a nonpolar feeding stimulant for the boll weevil.

Chemical control of nutsedge (Cyperus rotundus

L.) and the metabolism of 3,6-dichloro-O-anisic acid (dicamba).

Levels of 5 beta-pregnan-3 alpha, 6 alpha-diol-20-one in urine and its relationship to other metabolites of progestrone in urine of the nonpregnant domestic sow.

Comparison of metabolites of progesterone-4-14C in urine from a nonpregnant domestic sow 18190

Methyl mercury compounds in fish.

18199

A comparative study of cell wall glycopeptide structure of some bovine vibrios.

Myoglobin in control and dystrophic chickens 18250

Analytical problems: Mercury in the general environment.

Plant growth regulations in Ditylenchus dipsaci, Ditylenchus triformis and host tissues.

Light stimulated biosynthesis of gibberellins in

Effect of 3-indoleacetic acid on phospholipid membrane components of Avena coleoptiles.

Gas chromatographic detector for simultaneous sensing of phosphorus and sulfur-containing compounds by flame photometry.

Plant hormones-V. Thin-layer and gas-liquid chromatography of the gibberellins; direct indentification of the gibberellins in a crude plant extract by gas-liquid chromatography.

CHROMOSOMES

Fusarium moniliforme.

Studies on selection in natural and experimental populations of Drosophila pseudoobscura.

Oncogenesis in the (tu) y2v;vg strain of Drosophila melanogaster.

comparative study of salivary chromosome asynapsis in tumorigenic and closely related non-tumorigenic strains of Drosophila mclanogaster.

Ordered chromosomal DNA synthesis in Drosophila mclanogaster.

Salivary chromosome-like structure of a Coccid

Gamma-ray-induced mutations in Drosophila melanogaster oocytes: The phenomenon of dose

Mitotic chromosomes of Glossina pallidipes Austen.

Tetraploid females in the hymenopteron, Mormoniella.

Meiotic drive and visible polarity in Drosophila spermatocytes.

Successful tissue transplantation of auxin-depen-

dent tumours and some of its problems.

Chromosomal alternations in pearl millet induced by gammarays.

CHRYSANTHEMUM

Tests with insecticides for the control of resistant Myzus persicae (Sulzer) on year-round chrysanthemums.

CHRYSOMELIDAE

On larvae of Hispinae (Coleoptera, Chrysomelidae) of the fauna of the USSR.

17759

CHYMOTRYPSIN

The influence of the host cell, ionic strength and chymotrypsin on foot-and-mouth disease virus electrophoretic mobility.

18345

CICADELLIDAE

Transmission of a leafhopper-borne virus from naturally infected Poa annua in Czechoslovakia

Natural acquisition compared with mechanical inoculation of six-spotted leafhoppers for transmission of the oat blue dwarf virus. (Abstract).

CIODRIN

Residues of diazinon, coumaphos, ciodrin, methoxychlor, and rotenone in cow's milk from treatments similar to those used for ectoparasite and fly control on dairy cattle, with notes on safety of diazinon and ciodrin to calves.

CIRSIUM ARVENSE

Metabolism of amitrole (3-amino-1,2,4-triazole) in relation to the differential susceptibility of Cirsium arvense (L.) scop. ccotypes.

The effect of hormonal herbicides on the radical buds of Cirsium arvense scop. 18480

CISTUS

A new genus and species of the phytophagous mite (Bryobiidae, Acariformes).

CITRUS

ITRUS
A sex pheromone from the citrus mealybug.
17828

Germination of immature and mature spores of Diplodia natalensis. (Abstract).

Chemical control of seab and anthraenose on susceptible varieties of Citrus in Florida. (Abstract).

The presence of tristeza virus in certain species

of citrus in Cyprus.

Introducing and establishing the noninclusion virus of the citrus red mite in citrus groves.

Quantitative changes in organic acids in roots and leaves from grapefruit seedlings infected with Rhadopholus similis.

The influence of an organic soil amendment on infectivity and reproduction of Tylenchulus semipenetrans on two citrus rootstocks.

Inorganic composition and microscopy of citrus roots grown under several copper and soil amendment conditions.

CLASSIFICATION Basic biological characteristics of mycoplasma.

CLAVICEPS PURPUREA Phosphorus content during development of Claviceps purpurea.

18454

18277

Studies of the resistance of local apple varieties to scab (Venturia inaequalis (cke.) Wint.) under climatic conditions of Central Anatolia.

Seasonal variation in the concentration of caesium-137 in grass and alfalfa.

CLOACA

Duck plague.

18263

Pathological changes of acute Newcastle disease in an outbreak in Miyazaki Prefecture with special reference to those of the cloaca.

18268

CLOSTRIDIUM

Histidine décardoxylase in strains of Escherichia coli isolated from normal swine and swine with edema disease and enteric disorders.

18307

CLOSTRIDIUM BOTULINUM

Ecology of Clostridium botulinum type E.

Estimation of radiation resistance values of microorganisms in food products. 18383

CLOSTRIDIUM PERFRINGENS

Clostridium perfringens type A infection of ligated intestinal loops in lambs.

18255

COBALT

Food intake and growth of burro foals after 250 roentgens of cobalt-60 whole-body gamma irradiation.

18271

COCCIDIOSIS

Field experiment with the anticoccidial dimethyalium.

18259

Successful treatment of coccidiosis in lambs.

18313

On a tenth new Sphaeroceraspis of the central African forest (Hom. Coccoidea Diaspidini)

COCHLIOMYIA HOMINIVORAX

Difference in response of two strains of screwworm flies to the male pheromone.

COCONUTS

Anatomic effects of cadang-cadang disease on coconuts.

Reproduction of the coconut lethal yellowing

syndrome by mechanical inoculation of young seedlings.

COFFEE BERRY DISEASE

Ascospore production, discharge and infection by Glomerella cingulata causing coffee berry disease.

Survival of Rhopalosiphum padi in stored grain during cold weather.

18097

COLEOPTERA

On the biology of several Trechinae and Sphodrinae. (Insecta, Coleoptera). 17808

COLIBACILLOSIS

Scrologic response of swine to Escherichia coli antigens.

COLLAR ROT (APPLES)

The role of IAA in host reaction to different isolates of Phytophthora cactorum. (Abstract).

COLLETOTRICHUM GLOEOSPORIOIDES

Chemical control of scab and anthracnose on susceptible varieties of Citrus in Florida. (Ab-17981

CRONARTIUM RIBICOLA

COLOR	
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Notes on microanalytical techniques in the analysis of foods for extraneous materials.

Interception of apple maggot adults on colored traps in an orchard.

Qualitative identification of chlortracycline and oxytetracycline in feeds.

18491

COLORIMETRY

Notice of filing of petition regarding pesticide chemicals, kirk, j k.

COMPETITION

Analysis of competition in model systems. (Ab-

Stimulation of Sclerotium rolfsii and its antagonists by volatile components of alfalfa hay.

18021

Interactions of Aphelenchus avenae and some nematodetrapping fungi in dual culture.

COMPLEMENT FIXATION

Artificially induced immunity to enzootic abortion in ewes.

18246

CONDITIONED REFLEX

Pre-imaginal conditioning in Drosophila.

17858

CONIFERAE

Parasitism of Tylenchus emarginatus on conifer seedling roots and some observations on the biology of the nematode.

18150

CONJUNCTIVITIS

The occurrence of bacteria in chronic purulent eye discharge.

COOPER1A

Nematodiasis in Louisiana dairy cattle. Impact of host nutrition upon experimental ostertagiasis in

COPPER

Copper and ascorbic acid in guinea pig tissues as effected by dietary intake.

The effect of diet on the utilization of stable and radioactive copper in ruminants.

18334

Inorganic composition and microscopy of citrus roots grown under several copper and soil amendment conditions.

18428

COPTOTERMES FORMOSANUS

Proposed federal Formosan termite quarantine safeguards. Buyer, seller.

Genetics of reaction to Puccinia sorghi Schw. in ten corn inbred lines obtained from Africa and Europe.

Relationship between free amino acids and symptom expression in corn infected with maize dwarf mosaic virus or sugarcane mosaic virus. (Abstract).

Ultrastructure of Zea mays leaf cells infected with Johnson grass strain of sugarcane mosaic virus. (Abstract).

17986

Races of Puccinia polysora in Nigeria.

18015

Phytoalexin production in corn resistant to Helminthosporium turcicum.

18020 Resistance breakdown in maize to maize dwarf

mosaic virus after treatment with atrazine. (Abstract). 18027

A leaf blight of corn (Zea mays) incited by Fusarium moniliforme. (Abstract).

18053

Preliminary studies on Phyllachora maydis affecting corn in Central America. (Abstract).

18054

Ultrastructure of host and parasite in compatible and incompatible ineractions of Zea mays L. with Puccinia sorghi Schw.

18074

Genetics of reaction to Puccinia sorghi in ten corn inbred lines from Africa and Europe.

18076

Effects on populations of corn rootworms of aldrin residues in soil four years after application

A bioassay technique for screening feeding stimulants for larvae of tobacco budworm.

Western corn rootworm egg distribution and adult emergence under two corn tillage systems.

Weeds in agronomic crops. Field corn, soybeans.

18159 Vegetable crops. IV. Beans, sweet corn, to-

18173

The utilization of vitamin A and carotene by ruminants. 1. Vitamin A potency of carotenes in corn silage fed to lambs. 2. The effect of time and route of administration of vitamin A on liver vitamin A storage by steers. 3. The effect of route of administration of vitamin A on blood serum and liver vitamin A concentrations in steers at subsequent time intervals.

18281

Response of early-weaned pigs to amino acid supplementation of corn diets.

18391

Niagara NIA-10242 insecticide residues: Their persistence in coastal bermudagrass, corn, and silages, and their effect, fed in silage, on lactating

Active uptake of Helminthosporium carbonum toxin and its effect on CO2 dark fixation by corn. (Abstract).

Effect of 3-indoleacetic acid on phospholipid membrane components of Avena coleoptiles.

18481

CORRELATION

matoes, rhubarb.

Method for estimating intensity of the little leaf disease of brinjal (Solanum melongena).

Seminal vesiculitis syndrome: Lesions in genital organs of young bulls.

Growth and development of the bovine as related to certain endocrine factors.

18234

CORTHYLUS COLUMBIANUS

The Columbian timber beetle, Corthylus columbianus (Coleoptera: Scolytidae). VIII. Artifacts and characteristics of the host tree.

18129

CORYNEBACTERIUM EOUI

Corynebacterium equi infection in two foals.

18225

CORYNEBACTERIUM MICHIGANENSE

Bacterial canker of tomato; inoculum level needed for infection. 18071

COSTELYTRA ZEALANDICA

Costelytra zealandica (White) sex attraction.

17845

COTTON

Spread of the boll weevil by drainage water and air currents.

17824

Race buildup of Xanthomonas malvacearum on cotton in southeast Missouri.

17928

Evaluation of systemic fungicides and insecticides for the control of cotton boll rot in vitro. (Abstract).

Morphology and longevity of Verticillium alboatrum in cotton leaves. (Abstract).

Effectiveness of specific genes and gene com-

17957

binations in conferring resistance to races of Xanthomonas malvacearum in Upland cotton.

The role of cotton and bean seed exudate in pre-

emergence infection by Rhizoctonia solani.

Effects of early-, mid-, and late-season infestations of two-spotted spider mites on the yield of cotton.

A bioassay technique for screening feeding stimulants for larvae of tobacco budworm. 18096 Occurrence of fiber containing fluorescent spots

associated with Aspergillus flavus boll rot in the U. S. cotton crop of 1967.

flour beetle in a column of paddy.

Studies on hydrogen phosphide against the red

18113 Constituents of the cotton bud. XIII. Further studies on a nonpolar feeding stimulant for the boll

Thread worms in the rhizosphere of the normal cotton and of that infected with the verticillous cotton wilt.

The effect of environmental and biological factors on the persistence of malathion applied in low volume technical and emulsifiable concentrate forms to cotton plants.

18386 Effect of defoliants on carbohydrate and nitrogen metabolism in cotten plant leaves.

18448

Comparison of the effects of gibberellic acid and aflatoxin in germinating seeds. 18449

COTTONSEED

weevil.

Notice of filing of petition regarding pesticide chemicals. kirk, j k.

18476

COTTONSEED MEAL

Effects of high gossypol cottonseed meal on the electrocardiogram of swine.

18179

COUMAPHOS

Horn fly control with coumaphos.

18349 Residues of diazinon, coumaphos, ciodrin, methoxychlor, and rotenone in cow's milk from treatments similar to those used for ectoparasite and fly control on dairy cattle, with notes on safety of diazinon and ciodrin to calves.

18403

CRANBERRIES

Incidence and pathogenicity of fungi found on cranberry in Wisconsin.

17984

CRICONEMOIDES

Control of endo- and ecto-parasitic nematodes in turf by hot-water treatments.

18139

CRONARTIUM FUSIFORME

Genetic variation in susceptibility to fusiform rust in a wild population of loblolly pine. (Abstract).

18010

The pathogenicity of secondary and tertiary basidiospores of Cronartium fusiforme.

18052

CRONARTIUM RIBICOLA

Helicopter application of phytoactin to whitebark pine. (Abstract).

CROP ROTATION

Comparative physiology of Pinus monticola Dougl, resistant and susceptible to Cronartium ribicola J. C. Fisch, ex. Rabenh.	CRYPTOLESTES FERRUGINEUS Pyrethrins-piperonyl butoxide applied as a fog in an empty grain bin. 17897	A comparative nutritional study of Alternaria raphani, A. brassicae, and A. brassicola with special reference to A. raphani. 18069
Concentrations of solutes in blister rust infec- tions of western white pine (Abstract).	CUCUMBERS Vegetable crops III. Cucumbers, watermelons, cantaloupes, squash. 18168	Cultural and pathogenicity studies of induced variants of bean and pea root rot Fusarium species. 18078
The influence of crop-rotation on the attack of carrots by Meldidogyne hapla Chitw. and symptom formation.	CULEX New species of Culex (Melanoconion). 17756	Interactions of Aphelenchus avenae and some nematodetrapping fungi in dual culture. 18134
18068 CROP YIELDS Evaluation of nematocides for controlling	CULEX PIPIENS QUINQUEFASCIATUS Preliminary observations on the effect of alcohol and oil films on the oviposition of Culex pipiens	Avirulent mutant of a strain of ornithosis agent obtained by gamma irradiation. 18195
reniform nematodes on sweetpotatoes.	quinquefasciatus (Say).	Corynebacterium equi infection in two foals. 18225
Effect of soil fungicides on development of fungi in soil and on kernels of groundnut.	CULEX PORTESI Laboratory rearing of Culex (Melanoconion) portesi Senevet and Abonnenc.	Characterization studies on feline panleucopenia virus. (with). II. Pathogenesis in the host.
Chemical control of corn head smut. 18062	CULICIDAE A preliminary report of the mosquitoes in the	Isolation and characterization of three plaque- type clones of the hickman strain of newcastle disease virus.
Effects on populations of corn rootworms of aldrin residues in soil four years after application. 18087	Gilgit Agency area.	18235 Behavior of equine infectious anemia virus in cell
Further evaluation of acaricides for brown wheat mite control on winter wheat in Kansas, 1963-65. 18091	Studies of the epidemiology of arthropod-borne virus infections at Mitchell River Mission, Cape York Peninsula, north Queensland. II. Arbovirus infections of mosquitoes, man, and domestic	culture and development of a diagnostic test for the disease. 18240 Clostridium perfringens type A infection of
Effects of early-, mid-, and late-season infesta- tions of two-spotted spider mites on the yield of	fowls, 1963-1966.	ligated intestinal loops in lambs.
cotton.	Special equipment in the Box Elder County	Liver granulomas of turkeys caustive agents and
Insect pests of Nigerian crops.	Mosquito and Fly Abatement District.	mechanism of infection. 18294
18105 Control of mustard aphid (Lipaphis erysimi	Cattle-mosquito study begins in south Texas. 18352	Effects of genetic cellular resistance on cell transformation and virus replication in chicken
Kalt.) by systemic insecticides.	CULICOIDES Sensillae on the antennae of blood-sucking biting	hematopoietic cell cultures infected with avian myeloblastosis virus (BAI-0A).
The yield of potatoes resistant to Heterodera rostochiensis on infested land.	midges (Diptera, Ceratopogonidae).	18295 Isolation of a new toxin from cultures of Asper-
18140	Culicoides control in the Canal Zone by water management.	gillus flavus. 18416
Preplanting treatments for weed control in Connecticut shadegrown tobacco. 18157	17912 Bluetongue of sheep and cattle: past, present,	Effect of culture filtrates of Pseudomonas phaseolicola on the growth of excised roots and
Weeds in agronomic crops. Field corn, soybeans. 18159	and future. 18217	callus tissue cultures of bean. (Abstract).
Organisation of anti-rat campaigns.	CULTURAL CONTROL (INSECTS) A simplified field cage for trapping pink bullworm adults.	Auxin effects on the activity of pectin- transeliminase in vitro.
CROPS	17819	Effect of fungal estrogen F-2 on the production
Development of parthenocarpic and non- parthenocarpic syconia of Ficus carica L. cv. King in relation to endogenous and exogenous growth regulators.	CULTURE MEDIA The multiplication of Middelburgs and 1 plaque viruses in Aedcs aegypti mosquitoes. 17735	of perithecia by Fusarium roseum Graminearum'. (Abstract). 18442 Electron micrographs of Rhizopus stolonifer
17927 Fencerow weed control made easy.	Accumulation of glycine in the fat body of the silkworm, Bombyx mori L.	sporanciospores subjected to chilling. (Abstract).
Forage crops, small grains.	17803	Light stimulated biosynthesis of gibberellins in
18167 Determination of cesium-137 and related sam-	Sub-units of acid phosphatase-1 in Drosophila melanogaster: Reversible dissociation in vitro. 17862	Fusarium moniliforme. 18462
pling problems of dairy cattle feeds, 1962-1967. 18197	Growth of arboviruses in monolayers from sub- cultured mosquito embryo cells.	Auxin-induced elimination of a protein in bean hypocotyl.
CROWN GALLS	17870	Metabolism of amitrole (3-amino-1,2,4-triazole)
Successful tissue transplantation of auxin-dependent tumours and some of its problems. 17935	Development of parthenocarpic and non- parthenocarpic syconia of Ficus carica L. ev. King in relation to endogenous and exogenous	in relation to the differential susceptibility of Cir- sium arvense (L.) scop. ecotypes.
Soil fumigants tested for control of crown gall. 17973	growth regulators.	CURCULIONIDAE
CROWN GALLS (BEANS) Auxin and crown gall tumor initiation. (Abstract).	Successful tissue transplantation of auxin-dependent tumours and some of its problems. 17935	Ecological characteristics of the diapause of the Phytonome of the Luzerne Hypera variabilis. (Col. Curculionidae). 17817
CROWN RUST (OATS)	Patch canker of Hevea brasiliensis caused by Phytophthora palmivora. 17967	CURLY TOP (BEETS) Alterations in the auxin levels of resistant and
Effect of moderate adult resistance on penetra- tion, hyphal growth rates, and urediospore production by crown rust of oats. (Abstract). 17995	The suppression of actinomycetes by PCNB in culture media used for enumerating soil bacteria. 17980	susceptible hosts induced by the curly top virus. 18066 CURLY TOP (SUGAR BEETS) Relationship of ethylene to curly top symptoms.
RUCIFERAE Isolation and properties of Plasmodiophora bras-	Tobacco necrosis virus and its satellite virus. 18007	(Abstract).
sicae plasmodia from infected crucifer tissues and tissue culture callus. (Abstract).	Cytochrome oxidase and mitochondrial protein in extracts of leaves of Nicotiana glutinosa L. Infected with tobacco mosaic virus.	CURLY TOP (TOMATOES) Alterations in the auxin levels of resistant and susceptible hosts induced by the curly top virus.
Induction of floral hypersexuality in Iberis amara L. (Cruciferes) influenced by 2,4-	Tomato bushy stunt virus on tomato crops in Ar-	CURVULARIA GENICULATA
dichlorophenoxyacetic acid.	gentina.	Mycetoma in a dog.

DEOXYRIBONUCLEIC ACID

DECOMPOSITION

CUTICLE	An el
The formation of the cuticular ridges in the larval pharynx of the blowfly (Calliphora vicina RD.). 17809	and a Diphy
The molting behavior of the black widow spider,	The f
Latrodectus mactans. 17830	lobotl pleroc
The penetration patterns of Salmonella typhimu-	
rium through the outer structures of chicken eggs.	CYTOP Some
18341	foot-a tures.
CYANOPHYTA Toxic bluc-green algae in Saskatchewan.	
18414	Interf strain
Residues of diazinon in carrots after treatment	Strain
against cyclodiene-resistant carrot rust fly.	CYTOP
18093	The fo
CYCLOHEXIMIDE THIOSEMICARBAZONE	phary
Systemic-chemical paints for the control of Cytospora canker disease in prune trees.	Meiot
17996	sperm
CYLINDROCLADIUM SCOPARIUM	0
Factors affecting the infection of black spruce (Picea mariana Mill.) transplants by Cylindrocladium scoparium.	Occur tana.
18056	Lack
CYNODON DACTYLON	sistan
Resistance in bermudagrass to the fall ar-	Сорр
myworm. 18104	effect
Niagara NIA-10242 insecticide residues: Their	
persistence in coastal bermudagrass, corn, and	On th
silages, and their effect, fed in silage, on lactating cows.	albino
18400	Effect the ra
CYPERUS ROTUNDUS Chemical control of nutsedge (Cyperus rotundus	thera
L.) and the metabolism of 3,6-dichloro-O-anisic	CYTOS
acid (dicamba).	Susce fungi
CYSTICERCUS	
Helminthic infestations of piglets with reference	CYTOS
to lesions encountered. 18371	Syster Cytos
CYSTS	D, 2,4-
On the development of Cysticercus fasciolaris in albino rat liver and its reaction on the host tissue. 18381	Fence
CYTOCHROME OXIDASE	Exter
Cytochrome oxidase and mitochondrial protein in extracts of leaves of Nicotiana glutinosa L. In-	Agua mean
fected with tobacco mosaic virus. 18045	Induc
CYTOGENETICS	L.
Correction: Hemophilia-like disease of swine: Cytogenetic studies.	dichlo
18181	DAIRY
CYTOLOGY	The e
Ordered chromosomal DNA synthesis in Droso-	dry pe quarte
phila melanogaster. 17835	4
Tetraploid females in the hymenopteron, Mor-	Deter
moniella.	pling
17906	Cystic
Meiotic drive and visible polarity in Drosophila spermatocytes.	cial re
17909	tion proge
Mitotic recombination in conidiophores of verticillium alboatrum.	Facto
17922	place
Hemophilia-like discase of swine: Cytogenetic studies.	Acute
18223	monc
Avian adeno-like viruses- Characterization and comparison of seven isolates.	
18224	Resid- metho
Characterization of bovine viral diarrhea viruses	treatn
by their interactions with susceptible host cells.	and f
18243	safety

Mitochondrial involvement in the host-parasite relationship.

18305

An electron microscope study of the tegument and associated structures of the procercoid of
Diphyllobothrium latum (L.).
The fine structure of the tegument of Diphyllobothrium latum (L.). A comparison of the plerocercoid and adult stages.
18356 YTOPATHOLOGY
Some factors affecting interferon production by foot-andmouth disease virus in bovine tissue cultures.
18316
Interference between modified and virulent strains of footand-mouth disease virus. 18317
YTOPLASM
The formation of the cuticular ridges in the larval pharynx of the blowfly (Calliphora vicina RD.). 17809
Meiotic drive and visible polarity in Drosophila spermatocytes.
Occurrence of Agrophron mosaic virus in Mon-
tana. 18058
Lack of cytoplasmic inheritance of alfalfa re-
sistance to the spotted alfalfa aphid.
Copper and ascorbic acid in guinea pig tissues as
effected by dietary intake. 18290
On the development of Cysticercus fasciolaris in
albino rat liver and its reaction on the host tissue. 18381
Effect of ration modifications on aflatoxicosis in the rat.
VTOCPODA CHRYCOCRERMA
YTOSPORA CHRYSOSPERMA Susceptibility of weakened cottonwood stems to fungi associated with blackstem.
18055
YTOSPORA CINCTA Systemic-chemical paints for the control of Cytospora canker disease in prune trees.
YTOSPORA CINCTA Systemic-chemical paints for the control of Cytospora canker disease in prune trees. 17996
YTOSPORA CINCTA Systemic-chemical paints for the control of Cytospora canker disease in prune trees. 17996 , 2,4- Fencerow weed control made easy.
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YTOSPORA CINCTA Systemic-chemical paints for the control of Cytospora canker disease in prune trees. 17996 , 2,4- Fencerow weed control made easy. 18165 Extermination of Eichhornia azurea Kunth, Aguape de cordao , on the Ribeira river by means of herbicide applications.
YTOSPORA CINCTA Systemic-chemical paints for the control of Cytospora canker disease in prune trees. 17996 , 2,4- Fencerow weed control made easy. 18165 Extermination of Eichhornia azurea Kunth, Aguape de cordao , on the Ribeira river by means of herbicide applications. 18166 Induction of floral hypersexuality in Iberis amara
YTOSPORA CINCTA Systemic-chemical paints for the control of Cytospora canker disease in prune trees. 17996 , 2,4- Fencerow weed control made easy. Extermination of Eichhornia azurea Kunth, Aguape de cordao , on the Ribeira river by means of herbicide applications. 18166
YTOSPORA CINCTA Systemic-chemical paints for the control of Cytospora canker disease in prune trees. 17996 , 2,4- Fencerow weed control made easy. 18165 Extermination of Eichhornia azurea Kunth, Aguape de cordao , on the Ribeira river by means of herbicide applications. 18166 Induction of floral hypersexuality in Iberis amara L. (Cruciferes) influenced by 2,4-dichlorophenoxyacetic acid. 18446 AIRY CATTLE
YTOSPORA CINCTA Systemic-chemical paints for the control of Cytospora canker disease in prune trees. 17996 , 2,4- Fencerow weed control made easy. 18165 Extermination of Eichhornia azurea Kunth, Aguape de cordao , on the Ribeira river by means of herbicide applications. 18166 Induction of floral hypersexuality in Iberis amara L. (Cruciferes) influenced by 2,4-dichlorophenoxyacetic acid. 18446
YTOSPORA CINCTA Systemic-chemical paints for the control of Cytospora canker disease in prune trees. 17996 , 2,4- Fencerow weed control made easy. 18165 Extermination of Eichhornia azurea Kunth, Aguape de cordao , on the Ribeira river by means of herbicide applications. 18166 Induction of floral hypersexuality in Iberis amara L. (Cruciferes) influenced by 2,4-dichlorophenoxyacetic acid. 18446 AIRY CATTLE The effect of intramammary infection during the dry period on the milk production of the affected quarter at the start of the succeeding lactation.
YTOSPORA CINCTA Systemic-chemical paints for the control of Cytospora canker disease in prune trees. 17996 , 2,4- Fencerow weed control made easy. 18165 Extermination of Eichhornia azurea Kunth, Aguape de cordao , on the Ribeira river by means of herbicide applications. 18166 Induction of floral hypersexuality in Iberis amara L. (Cruciferes) influenced by 2,4-dichlorophenoxyacetic acid. 1846 AIRY CATTLE The effect of intramammary infection during the dry period on the milk production of the affected quarter at the start of the succeeding lactation. 18194
YTOSPORA CINCTA Systemic-chemical paints for the control of Cytospora canker disease in prune trees. 17996 , 2,4- Fencerow weed control made easy. 18165 Extermination of Eichhornia azurea Kunth, Aguape de cordao , on the Ribeira river by means of herbicide applications. 18166 Induction of floral hypersexuality in Iberis amara L. (Cruciferes) influenced by 2,4-dichlorophenoxyacetic acid. 18446 AIRY CATTLE The effect of intramammary infection during the dry period on the milk production of the affected quarter at the start of the succeeding lactation.
YTOSPORA CINCTA Systemic-chemical paints for the control of Cytospora canker disease in prune trees. 17996 , 2,4- Fencerow weed control made easy. 18165 Extermination of Eichhornia azurea Kunth, Aguape de cordao , on the Ribeira river by means of herbicide applications. 18166 Induction of floral hypersexuality in Iberis amara L. (Cruciferes) influenced by 2,4-dichlorophenoxyacetic acid. 18446 AIRY CATTLE The effect of intramammary infection during the dry period on the milk production of the affected quarter at the start of the succeeding lactation. 18194 Determination of cesium-137 and related sampling problems of dairy cattle feeds, 1962-1967. 18197 Cystic ovarian disease in dairy cattle: With spe-
YTOSPORA CINCTA Systemic-chemical paints for the control of Cytospora canker disease in prune trees. 17996 , 2,4- Fencerow weed control made easy. 18165 Extermination of Eichhornia azurea Kunth, Aguape de cordao , on the Ribeira river by means of herbicide applications. 18166 Induction of floral hypersexuality in Iberis amara L. (Cruciferes) influenced by 2,4-dichlorophenoxyacetic acid. 18446 AIRY CATTLE The effect of intramammary infection during the dry period on the milk production of the affected quarter at the start of the succeeding lactation. 18194 Determination of cesium-137 and related sampling problems of dairy cattle feeds, 1962-1967. 18197
YTOSPORA CINCTA Systemic-chemical paints for the control of Cytospora canker disease in prune trees. 17996 , 2,4- Fencerow weed control made easy. 18165 Extermination of Eichhornia azurea Kunth, Aguape de cordao , on the Ribeira river by means of herbicide applications. 18166 Induction of floral hypersexuality in Iberis amara L. (Cruciferes) influenced by 2,4-dichlorophenoxyacetic acid. 18446 AIRY CATTLE The effect of intramammary infection during the dry period on the milk production of the affected quarter at the start of the succeeding lactation. 18194 Determination of cesium-137 and related sampling problems of dairy cattle feeds, 1962-1967. 18197 Cystic ovarian disease in dairy cattle: With special reference to its treatment using a combination of Chorionic gonadotrophin and progesterone.
YTOSPORA CINCTA Systemic-chemical paints for the control of Cytospora canker disease in prune trees. 17996 , 2,4- Fencerow weed control made easy. 18165 Extermination of Eichhornia azurea Kunth, Aguape de cordao , on the Ribeira river by means of herbicide applications. 18166 Induction of floral hypersexuality in Iberis amara L. (Cruciferes) influenced by 2,4-dichlorophenoxyacetic acid. 18446 AIRY CATTLE The effect of intramammary infection during the dry period on the milk production of the affected quarter at the start of the succeeding lactation. 18194 Determination of cesium-137 and related sampling problems of dairy cattle feeds, 1962-1967. 18197 Cystic ovarian disease in dairy cattle: With special reference to its treatment using a combination of Chorionic gonadotrophin and progesterone. 18200 Factors affecting the storage, excretion, and placental transfer of dieldrin in dairy cattle.
YTOSPORA CINCTA Systemic-chemical paints for the control of Cytospora canker disease in prune trees. 17996 , 2,4- Fencerow weed control made easy. 18165 Extermination of Eichhornia azurea Kunth, Aguape de cordao , on the Ribeira river by means of herbicide applications. 18166 Induction of floral hypersexuality in Iberis amara L. (Cruciferes) influenced by 2,4-dichlorophenoxyacetic acid. 18446 AIRY CATTLE The effect of intramammary infection during the dry period on the milk production of the affected quarter at the start of the succeeding lactation. 18194 Determination of cesium-137 and related sampling problems of dairy cattle feeds, 1962-1967. 18197 Cystic ovarian disease in dairy cattle: With special reference to its treatment using a combination of Chorionic gonadotrophin and progesterone. 18200 Factors affecting the storage, excretion, and placental transfer of dieldrin in dairy cattle. 18218 Acute infectious bovine rhinotracheitis and sal-
YTOSPORA CINCTA Systemic-chemical paints for the control of Cytospora canker disease in prune trees. 17996 , 2,4- Fencerow weed control made easy. 18165 Extermination of Eichhornia azurea Kunth, Aguape de cordao , on the Ribeira river by means of herbicide applications. 18166 Induction of floral hypersexuality in Iberis amara L. (Cruciferes) influenced by 2,4-dichlorophenoxyacetic acid. 18446 AIRY CATTLE The effect of intramammary infection during the dry period on the milk production of the affected quarter at the start of the succeeding lactation. 18194 Determination of cesium-137 and related sampling problems of dairy cattle feeds, 1962-1967. 18197 Cystic ovarian disease in dairy cattle: With special reference to its treatment using a combination of Chorionic gonadotrophin and progesterone. 18200 Factors affecting the storage, excretion, and placental transfer of dieldrin in dairy cattle. 18218 Acute infectious bovine rhinotracheitis and salmoncllosis in a dairy herd.
YTOSPORA CINCTA Systemic-chemical paints for the control of Cytospora canker disease in prune trees. 17996 , 2,4- Fencerow weed control made easy. 18165 Extermination of Eichhornia azurea Kunth, Aguape de cordao , on the Ribeira river by means of herbicide applications. 18166 Induction of floral hypersexuality in Iberis amara L. (Cruciferes) influenced by 2,4-dichlorophenoxyacetic acid. 18446 AIRY CATTLE The effect of intramammary infection during the dry period on the milk production of the affected quarter at the start of the succeeding lactation. 18194 Determination of cesium-137 and related sampling problems of dairy cattle feeds, 1962-1967. 18197 Cystic ovarian disease in dairy cattle: With special reference to its treatment using a combination of Chorionic gonadotrophin and progesterone. 18200 Factors affecting the storage, excretion, and placental transfer of dieldrin in dairy cattle. 18218 Acute infectious bovine rhinotracheitis and salmonclosis in a dairy herd. 18344 Residues of diazinon, coumaphos, ciodrin,
YTOSPORA CINCTA Systemic-chemical paints for the control of Cytospora canker disease in prune trees. 17996 , 2,4- Fencerow weed control made easy. 18165 Extermination of Eichhornia azurea Kunth, Aguape de cordao , on the Ribeira river by means of herbicide applications. 18166 Induction of floral hypersexuality in Iberis amara L. (Cruciferes) influenced by 2,4-dichlorophenoxyacetic acid. 18446 AIRY CATTLE The effect of intramammary infection during the dry period on the milk production of the affected quarter at the start of the succeeding lactation. 18194 Determination of cesium-137 and related sampling problems of dairy cattle feeds, 1962-1967. 18197 Cystic ovarian disease in dairy cattle: With special reference to its treatment using a combination of Chorionic gonadotrophin and progesterone. 18200 Factors affecting the storage, excretion, and placental transfer of dieldrin in dairy cattle. 18218 Acute infectious bovine rhinotracheitis and salmoncllosis in a dairy herd. 18344 Residues of diazinon, coumaphos, ciodrin, methoxychlor, and rotenone in cow's milk from treatments similar to those used for ectoparasite
YTOSPORA CINCTA Systemic-chemical paints for the control of Cytospora canker disease in prune trees. 17996 , 2,4- Fencerow weed control made easy. 18165 Extermination of Eichhornia azurea Kunth, Aguape de cordao , on the Ribeira river by means of herbicide applications. 18166 Induction of floral hypersexuality in Iberis amara L. (Cruciferes) influenced by 2,4-dichlorophenoxyacetic acid. 18446 AIRY CATTLE The effect of intramammary infection during the dry period on the milk production of the affected quarter at the start of the succeeding lactation. 18194 Determination of cesium-137 and related sampling problems of dairy cattle feeds, 1962-1967. 18197 Cystic ovarian disease in dairy cattle: With special reference to its treatment using a combination of Chorionic gonadotrophin and progesterone. 18200 Factors affecting the storage, excretion, and placental transfer of dieldrin in dairy cattle. 18218 Acute infectious bovine rhinotracheitis and salmoncllosis in a dairy herd. 18344 Residues of diazinon, coumaphos, ciodrin, methoxychlor, and rotenone in cow's milk from
YTOSPORA CINCTA Systemic-chemical paints for the control of Cytospora canker disease in prune trees. 17996 , 2,4- Fencerow weed control made easy. 18165 Extermination of Eichhornia azurea Kunth, Aguape de cordao , on the Ribeira river by means of herbicide applications. 18166 Induction of floral hypersexuality in Iberis amara L. (Cruciferes) influenced by 2,4-dichlorophenoxyacetic acid. 18446 AIRY CATTLE The effect of intramammary infection during the dry period on the milk production of the affected quarter at the start of the succeeding lactation. 18194 Determination of cesium-137 and related sampling problems of dairy cattle feeds, 1962-1967. 18197 Cystic ovarian disease in dairy cattle: With special reference to its treatment using a combination of Chorionic gonadotrophin and progesterone. 18200 Factors affecting the storage, excretion, and placental transfer of dieldrin in dairy cattle. 18218 Acute infectious bovine rhinotracheitis and salmoncllosis in a dairy herd. 18344 Residues of diazinon, coumaphos, ciodrin, methoxychlor, and rotenone in cow's milk from treatments similar to those used for ectoparasite and fly control on dairy cattle, with notes on safety of diazinon and ciodrin to calves.

The effect of decomposing organic matter on
zinc level in soil and plants.
Insecticide residues in pest control.
18401
Effect of defoliants on carbohydrate and nitrogen metabolism in cotten plant leaves.
18448
Studies on the fungitoxicity of captan. Vi. Decomposition of 35S-labelled captan by Neu-
rospora crassa conidia.
18469 DEER
Electron microscopy of bovine papilloma and
deer fibroma viruses.
Experimental bluetongue disease in white-tailed
deer.
Some studies on the pathogenesis and
epizootiology of epizootic hemorrhagic disease
of deer. 18340
DEFICIENCY DISEASES
Relationships between zinc nutrition and al-
kaline phosphatase activity in the chick. 18220
Histopathological aids to the diagnosis of certain
poultry diseases.
Copper and ascorbic acid in guinea pig tissues as
effected by dietary intake.
DEFOLIANTS
Effect of desiccation on survival of the free-living
stages of Trichostrongylus colubriformis. 18353
Effect of defoliants on carbohydrate and
nitrogen metabolism in cotten plant leaves.
18448
DECRADATION
DEGRADATION Effect of rutin and its degradation products on
Effect of rutin and its degradation products on Fusarium root rot of bean. (Abstract).
Effect of rutin and its degradation products on
Effect of rutin and its degradation products on Fusarium root rot of bean. (Abstract). 18019 DEHYDROGENASES Drosophila alcohol dehydrogenase isozymes:
Effect of rutin and its degradation products on Fusarium root rot of bean. (Abstract). 18019 DEHYDROGENASES
Effect of rutin and its degradation products on Fusarium root rot of bean. (Abstract). 18019 DEHYDROGENASES Drosophila alcohol dehydrogenase isozymes: identity of molecular size. 17838 DELADENUS
Effect of rutin and its degradation products on Fusarium root rot of bean. (Abstract). 18019 DEHYDROGENASES Drosophila alcohol dehydrogenase isozymes: identity of molecular size. 17838 DELADENUS Parasitic and free-living cycles in entomogenous
Effect of rutin and its degradation products on Fusarium root rot of bean. (Abstract). 18019 DEHYDROGENASES Drosophila alcohol dehydrogenase isozymes: identity of molecular size. 17838 DELADENUS
Effect of rutin and its degradation products on Fusarium root rot of bean. (Abstract). 18019 DEHYDROGENASES Drosophila alcohol dehydrogenase isozymes: identity of molecular size. 17838 DELADENUS Parasitic and free-living cycles in entomogenous nematodes of the genus Deladenus. 17731 DELPHACIDAE
Effect of rutin and its degradation products on Fusarium root rot of bean. (Abstract). 18019 DEHYDROGENASES Drosophila alcohol dehydrogenase isozymes: identity of molecular size. 17838 DELADENUS Parasitic and free-living cycles in entomogenous nematodes of the genus Deladenus. 17731 DELPHACIDAE Bionomics, enemies and population dynamics of
Effect of rutin and its degradation products on Fusarium root rot of bean. (Abstract). 18019 DEHYDROGENASES Drosophila alcohol dehydrogenase isozymes: identity of molecular size. 17838 DELADENUS Parasitic and free-living cycles in entomogenous nematodes of the genus Deladenus. 17731 DELPHACIDAE Bionomics, enemies and population dynamics of Javesella pellucida (F.) (Hom., Delphacidae). 17875
Effect of rutin and its degradation products on Fusarium root rot of bean. (Abstract). 18019 DEHYDROGENASES Drosophila alcohol dehydrogenase isozymes: identity of molecular size. 17838 DELADENUS Parasitic and free-living cycles in entomogenous nematodes of the genus Deladenus. 17731 DELPHACIDAE Bionomics, enemies and population dynamics of Javesella pellucida (F.) (Hom., Delphacidae). 17875 DENDROCTONUS TEREBRANS
Effect of rutin and its degradation products on Fusarium root rot of bean. (Abstract). 18019 DEHYDROGENASES Drosophila alcohol dehydrogenase isozymes: identity of molecular size. 17838 DELADENUS Parasitic and free-living cycles in entomogenous nematodes of the genus Deladenus. 17731 DELPHACIDAE Bionomics, enemies and population dynamics of Javesella pellucida (F.) (Hom., Delphacidae). 17875 DENDROCTONUS TEREBRANS Attack of the black turpentine beetle on roots of slash pines.
Effect of rutin and its degradation products on Fusarium root rot of bean. (Abstract). 18019 DEHYDROGENASES Drosophila alcohol dehydrogenase isozymes: identity of molecular size. 17838 DELADENUS Parasitic and free-living cycles in entomogenous nematodes of the genus Deladenus. 17731 DELPHACIDAE Bionomics, enemies and population dynamics of Javesella pellucida (F.) (Hom., Delphacidae). 17875 DENDROCTONUS TEREBRANS Attack of the black turpentine beetle on roots of slash pines.
Effect of rutin and its degradation products on Fusarium root rot of bean. (Abstract). 18019 DEHYDROGENASES Drosophila alcohol dehydrogenase isozymes: identity of molecular size. 17838 DELADENUS Parasitic and free-living cycles in entomogenous nematodes of the genus Deladenus. 17731 DELPHACIDAE Bionomics, enemies and population dynamics of Javesella pellucida (F.) (Hom., Delphacidae). 17875 DENDROCTONUS TEREBRANS Attack of the black turpentine beetle on roots of slash pines.
Effect of rutin and its degradation products on Fusarium root rot of bean. (Abstract). 18019 DEHYDROGENASES Drosophila alcohol dehydrogenase isozymes: identity of molecular size. 17838 DELADENUS Parasitic and free-living cycles in entomogenous nematodes of the genus Deladenus. 17731 DELPHACIDAE Bionomics, enemies and population dynamics of Javesella pellucida (F.) (Hom., Delphacidae). 17875 DENDROCTONUS TEREBRANS Attack of the black turpentine beetle on roots of slash pines. 18118 DENSITY Electron optical and buoyant density studies of hog cholera virus.
Effect of rutin and its degradation products on Fusarium root rot of bean. (Abstract). 18019 DEHYDROGENASES Drosophila alcohol dehydrogenase isozymes: identity of molecular size. 17838 DELADENUS Parasitic and free-living cycles in entomogenous nematodes of the genus Deladenus. 17731 DELPHACIDAE Bionomics, enemies and population dynamics of Javesella pellucida (F.) (Hom., Delphacidae). 17875 DENDROCTONUS TEREBRANS Attack of the black turpentine beetle on roots of slash pines. 18118 DENSITY Electron optical and buoyant density studies of hog cholera virus.
Effect of rutin and its degradation products on Fusarium root rot of bean. (Abstract). 18019 DEHYDROGENASES Drosophila alcohol dehydrogenase isozymes: identity of molecular size. 17838 DELADENUS Parasitic and free-living cycles in entomogenous nematodes of the genus Deladenus. 17731 DELPHACIDAE Bionomics, enemies and population dynamics of Javesella pellucida (F.) (Hom., Delphacidae). 17875 DENDROCTONUS TEREBRANS Attack of the black turpentine beetle on roots of slash pines. 18118 DENSITY Electron optical and buoyant density studies of hog cholera virus. 18285 Biochemical and biophysical properties of canine distemper virus.
Effect of rutin and its degradation products on Fusarium root rot of bean. (Abstract). 18019 DEHYDROGENASES Drosophila alcohol dehydrogenase isozymes: identity of molecular size. 17838 DELADENUS Parasitic and free-living cycles in entomogenous nematodes of the genus Deladenus. 17731 DELPHACIDAE Bionomics, enemies and population dynamics of Javesella pellucida (F.) (Hom., Delphacidae). 17875 DENDROCTONUS TEREBRANS Attack of the black turpentine beetle on roots of slash pines. 18118 DENSITY Electron optical and buoyant density studies of hog cholera virus. 18285 Biochemical and biophysical properties of canine distemper virus.
Effect of rutin and its degradation products on Fusarium root rot of bean. (Abstract). 18019 DEHYDROGENASES Drosophila alcohol dehydrogenase isozymes: identity of molecular size. 17838 DELADENUS Parasitic and free-living cycles in entomogenous nematodes of the genus Deladenus. 17731 DELPHACIDAE Bionomics, enemies and population dynamics of Javesella pellucida (F.) (Hom., Delphacidae). 17875 DENDROCTONUS TEREBRANS Attack of the black turpentine beetle on roots of slash pines. 18118 DENSITY Electron optical and buoyant density studies of hog cholera virus. 18285 Biochemical and biophysical properties of canine distemper virus. 18306 DEOXYRIBONUCLEIC ACID Tests of genetic systems for the study of the cf-
Effect of rutin and its degradation products on Fusarium root rot of bean. (Abstract). 18019 DEHYDROGENASES Drosophila alcohol dehydrogenase isozymes: identity of molecular size. 17838 DELADENUS Parasitic and free-living cycles in entomogenous nematodes of the genus Deladenus. 17731 DELPHACIDAE Bionomics, enemies and population dynamics of Javesella pellucida (F.) (Hom., Delphacidae). 17875 DENDROCTONUS TEREBRANS Attack of the black turpentine beetle on roots of slash pines. 18118 DENSITY Electron optical and buoyant density studies of hog cholera virus. 18285 Biochemical and biophysical properties of canine distemper virus. 18306 DEOXYRIBONUCLEIC ACID Tests of genetic systems for the study of the effects of dNA in Drosophila melanogaster.
Effect of rutin and its degradation products on Fusarium root rot of bean. (Abstract). 18019 DEHYDROGENASES Drosophila alcohol dehydrogenase isozymes: identity of molecular size. 17838 DELADENUS Parasitic and free-living cycles in entomogenous nematodes of the genus Deladenus. 17731 DELPHACIDAE Bionomics, enemies and population dynamics of Javesella pellucida (F.) (Hom., Delphacidae). 17875 DENDROCTONUS TEREBRANS Attack of the black turpentine beetle on roots of slash pines. 18118 DENSITY Electron optical and buoyant density studies of hog cholera virus. 18285 Biochemical and biophysical properties of canine distemper virus. 18306 DEOXYRIBONUCLEIC ACID Tests of genetic systems for the study of the cf-
Effect of rutin and its degradation products on Fusarium root rot of bean. (Abstract). 18019 DEHYDROGENASES Drosophila alcohol dehydrogenase isozymes: identity of molecular size. 17838 DELADENUS Parasitic and free-living cycles in entomogenous nematodes of the genus Deladenus. 17731 DELPHACIDAE Bionomics, enemies and population dynamics of Javesella pellucida (F.) (Hom., Delphacidae). 17875 DENDROCTONUS TEREBRANS Attack of the black turpentine beetle on roots of slash pines. 18118 DENSITY Electron optical and buoyant density studies of hog cholera virus. 18285 Biochemical and biophysical properties of canine distemper virus. 18306 DEOXYRIBONUCLEIC ACID Tests of genetic systems for the study of the effects of dNA in Drosophila melanogaster. 17811 Ordered chromosomal DNA synthesis in Drosophila melanogaster.
Effect of rutin and its degradation products on Fusarium root rot of bean. (Abstract). 18019 DEHYDROGENASES Drosophila alcohol dehydrogenase isozymes: identity of molecular size. 17838 DELADENUS Parasitic and free-living cycles in entomogenous nematodes of the genus Deladenus. 17731 DELPHACIDAE Bionomics, enemies and population dynamics of Javesella pellucida (F.) (Hom., Delphacidae). 17875 DENDROCTONUS TEREBRANS Attack of the black turpentine beetle on roots of slash pines. 18118 DENSITY Electron optical and buoyant density studies of hog cholera virus. 18285 Biochemical and biophysical properties of canine distemper virus. 18306 DEOXYRIBONUCLEIC ACID Tests of genetic systems for the study of the effects of dNA in Drosophila melanogaster. 17811 Ordered chromosomal DNA synthesis in Drosophila melanogaster.
Effect of rutin and its degradation products on Fusarium root rot of bean. (Abstract). 18019 DEHYDROGENASES Drosophila alcohol dehydrogenase isozymes: identity of molecular size. 17838 DELADENUS Parasitic and free-living cycles in entomogenous nematodes of the genus Dcladenus. 17731 DELPHACIDAE Bionomics, enemies and population dynamics of Javesella pellucida (F.) (Hom., Delphacidae). 17875 DENDROCTONUS TEREBRANS Attack of the black turpentine beetle on roots of slash pines. 18118 DENSITY Electron optical and buoyant density studies of hog cholera virus. 18285 Biochemical and biophysical properties of canine distemper virus. 18306 DEOXYRIBONUCLEIC ACID Tests of genetic systems for the study of the effects of dNA in Drosophila melanogaster. 17811 Ordered chromosomal DNA synthesis in Drosophila melanogaster. 17835 Nucleoprotein synthesis during metamorphosis in Drosophila virilis.
Effect of rutin and its degradation products on Fusarium root rot of bean. (Abstract). 18019 DEHYDROGENASES Drosophila alcohol dehydrogenase isozymes: identity of molecular size. 17838 DELADENUS Parasitic and free-living cycles in entomogenous nematodes of the genus Deladenus. 17731 DELPHACIDAE Bionomics, enemies and population dynamics of Javesella pellucida (F.) (Hom., Delphacidae). 17875 DENDROCTONUS TEREBRANS Attack of the black turpentine beetle on roots of slash pines. 18118 DENSITY Electron optical and buoyant density studies of hog cholera virus. 18285 Biochemical and biophysical properties of canine distemper virus. 18306 DEOXYRIBONUCLEIC ACID Tests of genetic systems for the study of the effects of dNA in Drosophila melanogaster. 17811 Ordered chromosomal DNA synthesis in Drosophila melanogaster. 17835 Nucleoprotein synthesis during metamorphosis in Drosophila virilis.
Effect of rutin and its degradation products on Fusarium root rot of bean. (Abstract). 18019 DEHYDROGENASES Drosophila alcohol dehydrogenase isozymes: identity of molecular size. 17838 DELADENUS Parasitic and free-living cycles in entomogenous nematodes of the genus Dcladenus. 17731 DELPHACIDAE Bionomics, enemies and population dynamics of Javesella pellucida (F.) (Hom., Delphacidae). 17875 DENDROCTONUS TEREBRANS Attack of the black turpentine beetle on roots of slash pines. 18118 DENSITY Electron optical and buoyant density studies of hog cholera virus. 18285 Biochemical and biophysical properties of canine distemper virus. 18306 DEOXYRIBONUCLEIC ACID Tests of genetic systems for the study of the effects of dNA in Drosophila melanogaster. 17811 Ordered chromosomal DNA synthesis in Drosophila melanogaster. 17835 Nucleoprotein synthesis during metamorphosis in Drosophila virilis.
Effect of rutin and its degradation products on Fusarium root rot of bean. (Abstract). 18019 DEHYDROGENASES Drosophila alcohol dehydrogenase isozymes: identity of molecular size. 17838 DELADENUS Parasitic and free-living cycles in entomogenous nematodes of the genus Dcladenus. 17731 DELPHACIDAE Bionomics, enemies and population dynamics of Javesella pellucida (F.) (Hom., Delphacidae). 17875 DENDROCTONUS TEREBRANS Attack of the black turpentine beetle on roots of slash pines. 18118 DENSITY Electron optical and buoyant density studies of hog cholera virus. 18285 Biochemical and biophysical properties of canine distemper virus. 18306 DEOXYRIBONUCLEIC ACID Tests of genetic systems for the study of the effects of dNA in Drosophila melanogaster. 17811 Ordered chromosomal DNA synthesis in Drosophila melanogaster. 17835 Nucleoprotein synthesis during metamorphosis in Drosophila virilis. 17872 Degradation of cellular ribonucleic acid in Newcastle disease virus infected cells.
Effect of rutin and its degradation products on Fusarium root rot of bean. (Abstract). 18019 DEHYDROGENASES Drosophila alcohol dehydrogenase isozymes: identity of molecular size. 17838 DELADENUS Parasitic and free-living cycles in entomogenous nematodes of the genus Dcladenus. 17731 DELPHACIDAE Bionomics, enemies and population dynamics of Javesella pellucida (F.) (Hom., Delphacidae). 17875 DENDROCTONUS TEREBRANS Attack of the black turpentine beetle on roots of slash pines. 18118 DENSITY Electron optical and buoyant density studies of hog cholera virus. 18285 Biochemical and biophysical properties of canine distemper virus. 18306 DEOXYRIBONUCLEIC ACID Tests of genetic systems for the study of the cf-fects of dNA in Drosophila melanogaster. 17811 Ordered chromosomal DNA synthesis in Drosophila melanogaster. 17835 Nucleoprotein synthesis during metamorphosis in Drosophila virilis. 17872 Degradation of cellular ribonucleic acid in Newcastle disease virus infected cells.

What veterinarians can do about the salmonella

Physiological genetics of melanotic tumors in

On Diptera in small mammal burrows in

17750

northern Europe and southern Spain.

DETERGENTS

Morphological and physiological aspects of

sporogony and oocyst viability in the protozoan problem. Drosophila melanogaster . V. Amino acid parasites Eimeria tenella and Eimeria stiedae 18321 metabolism and tumor formation in the tu bw: st su-tu strain. (Coccidia). Improved techniques for the detection of foot-17902 and-mouth disease virus in carrier cattle. Influence of dietary vitamin A on cholesterol Comparison of the effects of gibberellic acid and 18325 metabolism of chickens. aflatoxin in germinating seeds. Detection of antibiotic-fast staphylococci in 18185 18449 otitis externa in dogs. Relationships between zinc nutrition and al-Wound-induced gibberellins. 18346 kaline phosphatase activity in the chick. 18467 Diagnosis, treatment, and preventive therapy for 18220 DETERGENTS heartworms. Some nutritional aspects of dietary magnesium in Detergents. 18387 ruminants and poultry. DIAPAUSE 18227 Effects on groudwater. Municipal sources Ecological characteristics of the diapause of the Effects of a low manganese diet on certain ovine 18390 Phytonome of the Luzerne Hypera variabilis. characteristics. Water pollution. Effects of pollution on fish life. (Col. Curculionidae). General aspects of water pollution biology The utilization of vitamin A and carotene by ru-18395 DIASPIS ECHINOCACTI minants. 1. Vitamin A potency of carotenes in corn silage fed to lambs. 2. The effect of time and DEUTEROPHOMA TRACHEIPHILA With pests in the luggage. Fungistatic constituents in citrus varieties re-18126 route of administration of vitamin A on liver sistant to the mal-secco disease. DIATRAEA SACCHARALIS vitamin A storage by steers. 3. The effect of 18046 route of administration of vitamin A on blood Mortality staging of dominant lethals induced in DIABROTICA LONGICORNIS the F1 generation of sugarcane borer; Diatraea serum and liver vitamin A concentrations in Temperature relationships of the development of saccharalis (F.). steers at subsequent time intervals. northern corn rootworm eggs. 18281 18127 17802 Copper and ascorbic acid in guinea pig tissues as DIAZINON Effects on populations of corn rootworms of aleffected by dietary intake. Residues of diazinon in carrots after treatment drin residues in soil four years after application. 18290 against cyclodiene-resistant carrot rust fly The effect of diet on the utilization of stable and DIABROTICA UNDECIMPUNCTATA HOWARradioactive copper in ruminants. Degradation of diazinon by synergistic microbial 18334 Systematic insecticide seed treatment tests on 18384 DIGESTION soybeans, bowling, c.c. Electrophoretic variation of proteinase in the Residues of diazinon, coumaphos, ciodrin, 18082 digestive juice of the silkworm, Bombyx mori L methoxychlor, and rotenone in cow's milk from DIABROTICA VIRGIFERA treatments similar to those used for ectoparasite Comparison of application rates of some soil in-The directions of the flow of food in the alimenand fly control on dairy cattle, with notes on tary tract of the leafhopper Euscelidius variegatus KBM. (Jassidae). secticides for control of western corn rootworm safety of diazinon and ciodrin to calves. larvae in Missouri. 18403 17866 17865 Effects on populations of corn rootworms of al-DIHYDRO-2,2-DIMETHYL-7-BENZOFURANYL Chemical control of nutsedge (Cyperus rotundus drin residues in soil four years after application. METHYLCARBAMATE, 2,3-L.) and the metabolism of 3,6-dichloro-O-anisic Niagara NIA-10242 insecticide residues: Their acid (dicamba). Oviposition preferences of western corn rootpersistence in coastal bermudagrass, corn, and 18169 worms for various soil surface conditions. silages, and their effect, fed in silage, on lactating DICHLORVOS 18100 cows. Some physiological responses of ruminants to Western corn rootworm egg distribution and 2,2-dichlorovinyl dimethyl phosphate. adult emergence under two corn tillage systems DIMETHYALIUM Field experiment with the anticoccidial 18111 Treatment of Strongyloides ransomi infection of dimethyalium. DIAGNOSIS pigs with Thiabendazole and Dichlorvos. 18259 Successful tissue transplantation of auxin-depen-18275 DIMETHYL SULFOXIDE dent tumours and some of its problems. DIEBACK (ULMUS) Systemic-chemical paints for the control of Effect of control programs on development of Cytospora canker disease in prune trees. Effect of organo-Phosphorus insecticides on the 17996 cpidemics of Dutch elm disease. (Abstract). warm blooded animals and cure thereof. Note on the determination of carbaryl residues in 18193 hen skin. Ecologic aspects of listeriosis. 18406 The effect of exposure to dieldrin on avoidance 18214 response extinction and conditioned heart rate in DIPETALONEMA RECONDITUM Behavior of equine infectious anemia virus in cell sheep. Epizootiologic observations of canine filariasis in culture and development of a diagnostic test for 18196 Georgia. the disease. 18330 Factors affecting the storage, excretion, and 18240 placental transfer of dieldrin in dairy cattle. DIPHYLLOBOTHRIUM LATUM A collective outbreak of transmissible gastroen-18218 An electron microscope study of the tegument teritis in swine. III. Isolation of a virus with and associated structures of the procercoid of Isolation and purification of metabolites found in cytopathogenic effect and its properties. Diphyllobothrium latum (L.). the urine of male rats fed aldrin and dieldrin. 18241 18379 Survival of salmonella, viable bacterial count and The fine structure of the tegument of Diphyl-lobothrium latum (L.). A comparison of the DIET appearance of contamination-indicating organisms in Salmonella-positive feedstuff. Further studies on the effect of bovine diet on plerocercoid and adult stages. face fly development. 18356 17766 Increased incidence of avian leukosis in response DIPLODIA NATALENSIS A study of the nuclear polyhedrosis virus on the to excess vitamin A. Germination of immature and mature spores of 18280 beet armyworm, Spodoptera exigua (Hubner), Diplodia natalensis. (Abstract). with emphasis on stability, pathogenicity and Histopathological aids to the diagnosis of certain 17960 histopathology. poultry diseases. DIPLOPODA 17837 18284 Data on the endocrine system of several A fluorescent micro-plaque assay for hog cholera Effects of mold inhibitors in larval diet on the Diplopoda, Oniscomorphes (Myriapoda). virus Localization of infection with homologous biology of the cabbage looper. 17841 17847 18291 A possible marker for european corn borer Insects affecting seed production of Shortleaf Age susceptibility and excretion of Salmonella moths. pine in the Georgia piedmont. typhimurium in calves. 17882

low fever mosquito, Aedes aegypti (L.).

Some aspects of isolevcine metabolism in the yel-

17891

18312

18320

Enzootic rabies in rodents in Thailand

17807

17858

17909

Estimation of radiation resistance values of microorganisms in food products.	Mycetoma in a dog.	Siphona kangwagyei n. sp., a blood sucking fly from Uganda (Diptera: Muscidae).
1838.	One-year immunity in dogs vaccinated with high	17776
DRAINAGE Spread of the boll weevil by drainage water and	egg-passage rabies virus grown on established dog kidney cell line.	Tyrosine metabolism and its hormonal control after eclosion in the adult fleshfly Sarcophaga bullata Parker (Diptera: Sarcophagidae).
air currents.	Water, electrolyte, and acid-base alterations in	17879
DRAINAGE DITCHES	experimental canine leptospirosis.	Special equipment in the Box Elder County Mosquito and Fly Abatement District.
Special equipment in the Box Elder Count Mosquito and Fly Abatement District.	Strychnine levels in tissues and stomach contents	17911
1791	of poisoned dogs: An eleven year survey. 18254	DIROFILARIA IMMITIS Longevity of an experimental infection with
Culicoides control in the Canal Zone by wate management.	The significance of the stay of Necator amer-	Dirofilaria immitis in a dog.
1791	icanus larvae in the puppy lung on their further development.	18297 Epizootiologic observations of canine filariasis in
DROSOPHILA Drosophila alcohol dehydrogenase isozymes	18283	Georgia.
identity of molecular size.	Longevity of an experimental infection with Dirofilaria immitis in a dog.	Diagnosis, treatment, and preventive therapy for
DROCOPHILA MELANOCAETER	18297	heartworms.
DROSOPHILA MELANOGASTER Oncogenesis in the (tu) y2v;vg strain of Droso	Transmission of salmon poisoning disease to	18361
phila melanogaster.	dogs by Nanophyetus salmincola eggs. 18301	Dirofilaria immitis parasitic in the spinal cavity of a dog.
Content and synthesis of gamma aminobutyri	Experimental transmission of two canine	DISSECTION 18362
acid in the larval brain of Drosophil melanogaster.	neoplasms: Lymphosarcoma and mast cell leu- kemia.	Egg and larval development of Cardiochiles
1779	18310	nigriceps. 17855
A comparative study of salivary glan-	Serologic survey for toxoplasma antibodies in a colony of research dogs and cats in California.	DISTILLATION
chromosome asynapsis in tumorigenic and close ly related non-tumorigenic strains of Drosophil	18323	Low temperature irradiation applied to neutron activation analysis of mercury in human whole
melanogaster. 1780	Epizootiologic observations of canine filariasis in Georgia.	blood. 18484
	18330	DISTILLED WATER
Tests of genetic systems for the study of the elects of dNA in Drosophila melanogaster.	The occurrence of bacteria in chronic purulent eye discharge.	Conditions for infection of celery by Septoria apiicola.
1781 Ordered chromosomal DNA synthesis in Drosc	18335	18059
phila melanogaster.	Detection of antibiotic-fast staphylococci in otitis externa in dogs.	DISULFOTON
1783	18346	Control of the birch leaf minor with disulfoton. 18086
Sub-units of acid phosphatase-1 in Drosophil melanogaster: Reversible dissociation in vitro. 1786	Diagnosis, treatment, and preventive therapy for heartworms.	DITYLENCHUS DESTRUCTOR Evaluation of some taxonomic indices in the
Physiological genetics of melanotic tumors i	Dirofilaria immitis parasitic in the spinal cavity	potato rot nematode Ditylenchus destructor Thorne, 1945.
Drosophila melanogaster . V. Amino aci	of a dog.	18151
metabolism and tumor formation in the tu bw; s su-tu strain.	18362	DITYLENCHUS DIPSACI
1790	Studies on parasitic granuloma in the dog. 18365	The increased attack of Ditylenchus dipsaci on onion caused by some fungicides.
Gamma-ray-induced mutations in Drosophil melanogaster oocytes: The phenomenon of dos	Lesions caused by the hepatic trematode, Me-	18132
rate.	torchis conjunctus, Cobbold, 1860; A compara- tive study in Carnivora.	Chemical control of the stem nematode Di- tylenchus dipsaci.
1790	18369	18137
Actinomycin D-induced phenocopies in Drosc phila melanogaster and their relevance to dit	DOSAGE	Evaluation of some taxonomic indices in the
ferential gene transcription. The genetic basis of actinomycin D-induced preferential killing of	Reproductive behavior of the potato tuberworm, Phthorimaea operculella (Zeller), (Lepidoptera:	potato rot nematode Ditylenchus destructor Thorne, 1945.
Drosophilia melanogaster males.	Gelechiidae) and the effect of the chemosterilant metepa.	Plant growth regulations in Ditylenchus dipsaci,
1790 Davalanmental characteristics of five lethal ma	17836	Ditylenchus triformis and host tissues.
Developmental characteristics of five lethal mu tants of Drosophila melanogaster.	Effect of the chemosterilant metepa on the housefly, Musca domestica L.	DITYLENCHUS TRIFORMIS
DROSOBULLA REFUDORECUBA	17848	Plant growth regulations in Ditylenchus dipsaci,
DROSOPHILA PSEUDOOBSCURA Studies on selection in natural and experimenta	Gamma-ray-induced mutations in Drosophila melanogaster oocytes: The phenomenon of dose	Ditylenchus triformis and host tissues. 18437
populations of Drosophila pseudoobscura. 1778	rate.	DIURNAL RHYTHM
DROSOPHILA VIRILIS	17904 Control of the birch leaf minor with disulfoton.	Circadian emergence rhythm of a tropical scolytid, Xyleborus ferrugineus.
Analysis of the development of aviduots and th	19096	17767

Endogenous diurnal rhythm of pupation in a

On periodicity of gas exchange in ontogenesis of

the Colorado beetle (Leptinotarsa decemlineata

Tolerances and exemptions from tolerances for

pesticide chemicals in or on raw agricultural

Location of unique sequences in tobacco mosaic

17868

17892

18396

18457

18187

mosquito population.

commodities. Diuron.

virus ribonucleic acid.

DODECYL SODIUM SULFATE

Treatment for poisoning by slug bait.

Say.).

DIURON

nogaster oocytes: The phenomenon of dose 17904 iomycin D-induced phenocopies in Drosomelanogaster and their relevance to diftial gene transcription. The genetic basis of omycin D-induced preferential killing of ophilia melanogaster males. lopmental characteristics of five lethal muof Drosophila melanogaster. 17908 PHILA PSEUDOOBSCURA es on selection in natural and experimental lations of Drosophila pseudoobscura. PHILA VIRILIS lysis of the development of oviducts and the developmental relations between oviducts and ovaries in Drosophila virilis. Part one: Development of oviducts under normal and experimental conditions. Part two: Analysis of alterations occurring in oviducts during imaginal life. 17782 Nucleoprotein synthesis during metamorphosis in Drosophila virilis. 17872 DROSOPHILIDAE

Polygenic control of aldehyde oxidase and

Meiotic drive and visible polarity in Drosophila

xanthine dehydrogenase in Drosophila.

Pre-imaginal conditioning in Drosophila.

spermatocytes.

tal trichinosis in rabbits.

Residues of diazinon in carrots after treatment

The tolerance of imported commodities to fu-

Studies on hydrogen phosphide against the red

Some physiological responses of ruminants to

Relationship between infecting dose, muscle parasitism, and antibody response in experimen-

53

18093

18113

18128

18219

18329

against cyclodiene-resistant carrot rust fly.

migation with methyl bromide.

flour beetle in a column of paddy.

Control of the elm leaf beetle in Arizona.

2,2-dichlorovinyl dimethyl phosphate.

The biology and ecology of Fusarium oxysporum

f. melonis in soil and the root zones of host and

Ecology and possible significance of Perithecia

Biological and ecological relationships of the

fungus, Entomophthora coronata (Costantin)

Kevorkian and the garden symphylan, Scutigerella immaculata (Newport).

The host-parasite relations and ecology of

Trichodorus viruliferus on apple roots, as ob-

The relationships between population increase and population density in plant parasitic ne-

served from an underground laboratory.

of Calonectria nivalis in the Pacific Northwest.

nonhost plants.

18366

18374

18420

18441

EIMERIA BRUNETTI

Field experiment

dimethyalium.

EIMERIA MITIS

dimethyalium.

(Coccidia).

(Coecidia).

18012

18145

EIMERIA STIEDAE

EIMERIA TENELLA

Field experiment with

the

the

with

Morphological and physiological aspects of

sporogony and oocyst viability in the protozoan parasites Eimeria tenella and Eimeria stiedae

Morphological and physiological aspects of

sporogony and oocyst viability in the protozoan

parasites Eimeria tenella and Eimeria stiedae

anticoceidial

anticoccidial

18259

18259

18419

DRUG THERAPY

housefly, Musea domestica L.

tisone, azulen, sera).

derivatives.

D

ħ

D

Scarabaeidae.

platypodidae).

Effect of the chemosterilant metepa on the

Medicated feeds; approval of new drug applica-

Experimental studies in nuce on the therapy of

trichinellosis (Thiabendazole, Neguvon, cor-

Anthelminthic activity of some carbamate

Swedish restrictions concerning the use of mer-

Biological and ecological studies on Caloglyphus

mite (Acarinai Acaridae) associated with

Information concerning the African bark and nut

beetles fauna (Colcoptera scolytidae and

A review of drug toxicity in the cat.

cury compounds for seed disinfection.

The organization and activities of the Bureau of Veterinary Medicine, Food and Drug Adminis-	Ecology of Clostridium botulinum type E. 18216	ELATERIDAE Larvae of click beetles of the genus Idolus Desbr
tration. 18496	Effects on microfauna - freshwater. 18394	and position of this genus in the system Elateridae (Coleptera).
RUGS	ECONOMIC PLANTS	17740
Experimental treatment of subclinical porcine case of Toxoplasma with sulfamonomethoxine	Spider populations in grain sorghums.	ELECTROCARDIOGRAMS Effects of high gossypol cottonseed meal on the
and pyrimethamine and its influence upon hemagglutinating antibody.	Resistance of southern peas to the cowpca cur- culio.	electrocardiogram of swine. 18179
18202	18125	ELECTRODES
Medicated feeds; approval of new drug applica- tions.	ECONOMICS New Zealand Noctuidae (Lepidoptera): Summa-	Mechanical and electrical activity in the indirec flight muscles of the honey bec.
Changes in the efficacy of three anthelmintics	ry of known host plants and a bibliography relevant to the biology of the group.	ELECTROLYTES 17820
during the maturation of a nematode (Trichinel- la spiralis).	Ascospore production, discharge and infection	Effect of Xanthomonas vesicatoria on loss o electrolytes from leaves of Capsicum annuum.
18357 UCKLINGS	by Glomerella cingulata causing coffee berry disease.	17970
Effect of aflatoxin on serum protein fractions of	17999	Water, electrolyte, and acid-base alterations in experimental canine leptospirosis.
day-old ducklings.	EDEMA	1824-
UCKS	Histidine decardoxylase in strains of Escherichia coli isolated from normal swine and swine with edema disease and enteric disorders.	Oxalate metabolism in sheep II. Effect of low level Halogeton glomeratus intake on electrolyte
Duck plague.	18307	metabolism.
18263	EGGPLANT	18262
USTING	Method for estimating intensity of the little leaf	ELECTRON MICROSCOPES
Techniques of marking insects with micronized fluorescent dust with especial emphasis on mark-	disease of brinjal (Solanum melongena).	Isolation and electron microscopy of potato leafroll virus from plants.
ing millions of Lygus hesperus for dispersal stu-	A new mosaic disease of brinjal (Solanum	18102
dies. 17886	melongena L.).	Electron microscope studies of some cephalic structures of Xiphinema americanum.
USTING EQUIPMENT		18142
Organisation of anti-rat campaigns. 18177	Injury to Heterodera tabacum by high soil temperatures. (Abstract). 18143	An electron microscope study of the tegumen and associated structures of the procercoid o
WARF MOSAIC (CORN)	EGGS	Diphyllobothrium latum (L.).
Relationship between free amino acids and symptom expression in corn infected with maize	Egg and larval development of Cardiochiles nigriceps.	18355 Electron microscopic studies of the nervous
dwarf mosaic virus or sugarcane mosaic virus. (Abstract).	17855	system of Trichodorus christiei (Abstract). 18447
17982	Influence of dietary vitamin A on cholesterol metabolism of chickens.	Electron micrographs of Rhizopus stolonife
Resistance breakdown in maize to maize dwarf mosaic virus after treatment with atrazine. (Ab-	18185	sporanciospores subjected to chilling. (Ab stract).
stract).	Establishment of the pathological relationship between plant and animal isolates of Geotrichum	18458 ELECTRON MICROSCOPY
YES	candidum, in embryonated chicken eggs.	The formation of the cuticular ridges in the larva
A red dye to evaluate bait formulations and to mass mark field populations of boll weevils.	Treatment of Strongyloides ransomi infection of	pharynx of the blowfly (Calliphora vicina RD.).
17856	pigs with Thiabendazole and Dichlorvos.	A study of the nuclear polyhedrosis virus on the
Vital stainining of insect eggs by incorporation of trypan blue.	The penetration patterns of Salmonella typhimu-	beet armyworm, Spodoptera exigua (Hubner) with emphasis on stability, pathogenicity and
17878	rium through the outer structures of chicken eggs.	histopathology.
CHINOCOCCOSIS	18341	17837
Hydatid latex agglutination with scolex and crude polysaccharide antigens.	EICHHORNIA Extermination of Eichhornia azurea Kunth,	Meiotic drive and visible polarity in Drosophila spermatocytes.
18360	Aguape de cordao , on the Ribeira river by	17909
COLOGY	means of herbicide applications.	Tomato bushy stunt virus on tomato crops in Ar-

Successful treatment of coccidiosis in lambs.

EIMERIA

17762

EIMERIA ACERVULINA

dimethyalium.

Field experiment with

18166

18313

18259

the anticoccidial

gentina.

Electron microscopic studies on the develop-

Characterization of bovine viral diarrhea viruses

18243

by their interactions with susceptible host cells.

ment of vesicular stomatitis virus.

The response of various tissues in neonate calves to bovine papilloma virus (BPV).	ENCEPHALOMYOCARDITIS Helminths as vehicles and synergists of microbial infections.	Studies of caste differentiation in Myrmica rubra L. 9. Maternal environment and the caste bias of larvae.
	18376	17791
Electron optical and buoyant density studies of		
hog cholera virus.	ENDOCARDITIS	Some aspects of mating behavior in butterflies.
18285	A case of porcine endocarditis associated with	17864
Mitochondrial involvement in the host-parasite	Staphylococcus aureus.	Comparison of application rates of some soil in-
relationship.	18248	secticides for control of western corn rootworm
18305	ENDOCRINE GLANDS	larvae in Missouri.
Experimental transmission of two canine	Data on the endocrine system of several	17866
neoplasms: Lymphosarcoma and mast cell leu-	Diplopoda, Oniscomorphes (Myriapoda).	Patch canker of Hevea brasiliensis caused by
kemia.	17841	Phytophthora palmivora.
18310	Growth and development of the bovine as re-	17967
	lated to certain endocrine factors.	Environmental effects and transfer events during
Eight feline viruses: An electron microscopic stu-	18234	primary infection of wheat by Erysiphe graminis.
dy. 18324	ENTERIC CYTOPATHOGENIC PORCINE	18038
	ORPHAN VIRUS	
Electron microscopy of bovine papilloma and	Avian adeno-like viruses- Characterization and	Conditions for infection of celery by Septoria
deer fibroma viruses.	comparison of seven isolates.	apiicola. 18059
18328	18224	
Biophysical studies of Teschen disease virus		Organisation of anti-rat campaigns.
(Talfan strain).	ENTERITIS	18177
18339	Corynebacterium equi infection in two foals.	Sources of salmonellas in market swine.
	18225	18342
The fine structure of the tegument of Diphyl-	Clostridium perfringens type A infection of	The effect of environmental and biological fac-
lobothrium latum (L.). A comparison of the	ligated intestinal loops in lambs.	tors on the persistence of malathion applied in
plerocercoid and adult stages. 18356	18255	
	Histidine decardoxylase in strains of Escherichia	low volume technical and emulsifiable concentrate forms to cotton plants.
Stromatal rind formation in the brown rot fungi.	coli isolated from normal swine and swine with	18386
18477	edema disease and enteric disorders.	
LECTROPHORESIS	18307	Macroinvertebrates. Fresh water.
Electrophoretic variation of proteinase in the	ENTEROBACTERIACEAE	18402
digestive juice of the silkworm, Bombyx mori L.		Analytical problems: Mercury in the general en-
17815	Antibody response to immunization in experi- mental Salmonellosis.	vironment.
	18269	18408
Drosophila alcohol dehydrogenase isozymcs:		ENZOOTIC ABORTION
identity of molecular size. 17838	ENTOMOLOGY	Placental pathology of experimentally-induced
	A prodrome of the genus Orthopodomyia (Dip-	enzootic abortion in ewes.
Results concerning humoral immunity of Pyrr-	tera, Culicidae).	18300
hocoris apterus I. and Galleria mellonella F.	17775	ENZYMES
17842	Siphona kangwagyei n. sp., a blood sucking fly	
Sub-units of acid phosphatase-1 in Drosophila	from Uganda (Diptera: Muscidae).	Electrophoretic variation of proteinase in the
melanogaster: Reversible dissociation in vitro.	17776	digestive juice of the silkworm, Bombyx mori L. 17815
17862	Notes on microanalytical techniques in the anal-	
Effect of aflatoxin on serum protein fractions of	ysis of foods for extraneous materials.	Studies on insect (Periplaneta americana L.)
day-old ducklings.	17792	phosphofructokinase.
18191	Studies on the morphology and biology of	17827
	Lecanium fletcheri Ckll. (Homoptera, Coc-	Enzymatic hydrolysis of the encysted
Myoglobin in control and dystrophic chickens.	coidea) and related species.	parasporale of Bacillus thuringiensis by Bombyx
18250	17813	mori L. proteases.
The influence of the host cell, ionic strength and		17852
chymotrypsin on foot-and-mouth disease virus	Notes on deathwatch beetles (Coleoptera).	Aspartate aminotransferase in the pea aphid,
electrophoretic mobility.	17821	Acyrthosiphon pisum (Harris).
18345	The phylogenetic development of food selection	17876
Identification of Xanthomonas species by acryla-	in certain orthopteroids.	Protein and enzyme changes in wheat leaves fol-
mide-gel disc electrophoresis of soluble bacterial	17825	lowing infection with Puccinia recondita.
proteins. (Abstract).	Biting in Orthoptera and their allies.	18005
18439	17826	
	Parthenogenesis in gum emperor moth	Relationships between zinc nutrition and al-
Disc electrophoresis of sonic extracts of five	Antheraea eucalypti (Scott).	kaline phosphatase activity in the chick.
phytopathogenic bacteria. (Abstract).	17840	18220
18444	Effects of mold inhibitors in larval diet on the	A biochemical role for boron.
A biochemical role for boron.		18456
18456	biology of the cabbage looper.	The study of the effect of amitrol on the respira-
Auxin-induced elimination of a protein in bean		tion and activity of some enzymes in poppy
hypocotyl.	On the Sphodromantis of the species viridis from	plants (Papaver somniferum L.).
18470	northwest Africa.	18479
	17849	EPHEMEROPTERA
LECTROPHYSIOLOGY	Biology of the elm leaf beetle in southern	A contribution to the ecology of the May-fly
Electrical activity in insect nerve cell bodies.	Arizona.	Palingenia sublongicauda Tshern. In the Volga
17846	17898	delta.
LSINOE FAWCETTI	Mitotic chromosomes of Glossina pallidipes	17754
Chemical control of scab and anthracnose on	Austen.	EPHESTIA ELUTELLA
susceptible varieties of Citrus in Florida. (Ab-	17905	
stract).	ENTOMORUTUODA CORONATA	Chambers for collecting and observing single

ENTOMOPHTHORA CORONATA

Biological and ecological relationships of the fungus, Entomophthora coronata (Costantin)

Kevorkian and the garden symphylan, Scutigerella immaculata (Newport). 18012

ENVIRONMENT

17981

17878

EMBRYOLOGY

trypan blue.

Vital stainining of insect eggs by incorporation of

Mortality staging of dominant lethals induced in the F1 generation of sugarcane borer; Diatraea

Establishment of the pathological relationship

between plant and animal isolates of Geotrichum candidum, in embryonated chicken eggs.

Information concerning the African bark and nut beetles fauna (Coleoptera scolytidae and platypodidae). 17762

Notes on raising Lepidoptera in Meurthe and Moselle.

Studies of the epidemiology of arthropod-borne virus infections at Mitchell River Mission, Cape York Peninsula, north Queensland. II. Arbovirus infections of mosquitoes, man, and domestic fowls, 1963-1966.

A new species of the gamasid mite Ichoronyssus

mirabilis Senotrusova et Tagiltsev sp. n.

(Acariformes, Gamasoidea) from whiskered millers of the Zaisan hollow.

pupae of three stored-product moths.

EPIDEMIOLOGY

EPIDIDYMIS

Studies of the epidemiology of arthropod-borne virus infections at Mitchell River mission, Cape York Peninsula, north Queensland. I. Mosquito eollections, 1963-1966.

Gamasid mites (Gamasoidea) as vectors of the disease eausative agents.

17915

Low light intensity promotes melting out of bluegrass. (Abstract).

Effect of control programs on development of epidemies of Dutch elm disease. (Abstract). 18034

Effects of nematode extraction method, soil mixture, and nematode numbers on the transmission of tobaceo ringspot virus by Xiphinema amer-

The role of the epidemiologist in the control and eradication programs of poultry diseases.

Animal sentinels in a statewide arthropod-borne encephalitis surveillance program.

19709

Rabies control in public health administration.

18303

What veterinarians can do about the salmonella problem.

The epizootiological importance of foot-and-

mouth disease earriers. I. Experimentally produced foot-and-mouth disease earriers in susceptible and immune cattle. 18326

The eonnection between sunspot cycles and mass mortality among vertebrates and non-vertebrates due to parasitic activity.

Helminths as vehicles and synergists of microbial infections.

18376

Microbiology. Gastrointestinal outbreaks.

Seminal vesiculitis syndrome: Lesions in genital organs of young bulls.

EPITHELIAL TUMORS Seminal vesiculitis syndrome: Lesions in genital

organs of young bulls. 18208

EPITHELIUM

An electron microscope study of the tegument and associated structures of the procereoid of Diphyllobothrium latum (L.).

18392

18208

The fine structure of the tegument of Diphyllobothrium latum (L.). A comparison of the plerocereoid and adult stages.

EPIZOOTIC DISEASES

Introducing and establishing the noninclusion virus of the eitrus red mite in eitrus groves. 18117

Salmonella typhisuis infection in Minnesota

18209

Eeologie aspects of listeriosis. 18214

Bluetongue of sheep and cattle: past, present, and future.

18217

An outbreak of ringworm among cattle in

Pathological changes of acute Newcastle disease in an outbreak in Miyazaki Prefecture with spe-cial reference to those of the cloaca.

Treatment of Strongyloides ransomi infection of pigs with Thiabendazole and Diehlorvos. 18275 Contagious bovine pleuropneumonia and the problems associated with its control.

18276

Psittaeosis-lymphogranuloma venereum agent isolated during an abortion epizootic in goats.

18286

The role of the epidemiologist in the control and eradication programs of poultry diseases.

18296

What veterinarians can do about the salmonella problem.

The epizootiological importance of foot-andmouth disease carriers. 1. Experimentally produced foot-and-mouth disease carriers in susceptible and immune eattle.

18326

Common disease problems in laboratory animals.

18332

Some studies on the pathogenesis and epizootiology of epizootie hemorrhagie disease of deer.

EQUINE ENCEPHALOMYELITIS

Animal sentinels in a statewide arthropod-borne encephalitis surveillance program.

18298

18240

18278

EQUINE INFECTIOUS ANEMIA

Behavior of equine infectious anemia virus in cell eulture and development of a diagnostic test for the disease.

EQUINE INFLUENZA

The use of polyvalent inactivated vaccine therapcutically against equinc influenza.

EQUIPMENT

An improved incubator for insects for operation above room temperature and relative humidity

Carbon dioxide-powered plot sprayer for turfgrass disease control fungicide application. 17060

Factors influencing aflatoxin accumulation in pe-

anut kernels and the associated mycoflora. 18043

Stained monolayer test: a color test in disposable plastic trays for titrating transmissible gastroen-

teritis virus and neutralizing antibodies. A new technique for the recovery of Fasciola gi-

gantica eggs from eattle faeces. 18354 Studies on the laboratory soiling of milking

equipment. 18409

Engineering and biological aspects of designing and using a selective flame weeder. 18493

Speedometer adapted for fog calculations. 18494

ERWINIA

Disc electrophoresis of sonie extracts of five phytopathogenic bacteria. (Abstract).

ERWINIA AMYLOVORA

Permeability changes in pear fruits associated with pathogenesis by Erwinia amylovora. (Abstract).

Ultrastructural changes in apple leaf eells induced by virulent and avirulent strains of Erwinia amylovora. (Abstraet).

Serological diagnostie method without isolation of Erwinia amylovora culture from a diseased

Recent spread and present distribution of fire blight in the world.

18081

18144

ERYSIPELOTHRIX INSIDIOSA

Experimental production of rheumatoid arthritis of swine: Physiopathologie changes of tissues.

ERYSIPHE GRAMINIS

Environmental effects and transfer events during primary infection of wheat by Erysiphe graminis

Physiologie raee changes in barley mildew 1964-

ERYTHROCYTES

Isolation and characterization of three plaquetype elones of the hiekman strain of neweastle disease virus. 18235

ESCHERICHIA COLL

Results concerning humoral immunity of Pyrrhocoris apterus I. and Galleria mellonella F.

Experimental eolibacillosis and the development of earries in laying hens.

Antibody response to immunization in experimental Salmonellosis.

18376

Serologie response of swine to Escherichia eoli antigens. 18273

Histidine deeardoxylase in strains of Escherichia eoli isolated from normal swine and swine with

edema disease and enterie disorders. 18307

Helminths as vehicles and synergists of microbial infections.

ESOPHAGUS Data on the endocrine system of several

Diplopoda, Oniscomorphes (Myriapoda). 17841

Duck plague.

18263

ESTERS

Plant hormones-V. Thin-layer and gas-liquid chromatography of the gibberellins; direct indentification of the gibberellins in a crude plant extract by gas-liquid chromatography. 18485

ESTRADIOL.

Response of beef eows to exogenous progesterone and estradiol at various stages post-

ESTROGENS Effect of fungal estrogen F-2 on the production

of peritheeia by Fusarium Graminearum'. (Abstract). roseum ETHION

Attempts at combatting oystershell seale, Lepidosaphes ulmi (L.),on appletrees in orchards of Quebec.

18109

ETHOPABATE.

Successful treatment of eoeeidiosis in lambs. 18313

Relationship of ethylene to eurly top symptoms.

(Abstract). 17988

ETHYLENE CHLOROHYDRIN Infrared studies of ethylene ehlorohydrin.

ETHYLENE OXIDE

Ethylene oxide for the control of American foulbrood in honey bees.

17881

ETHYLENEDIAMIETETRAACETIC ACID Notes on microanalytical techniques in the anal-

ysis of foods for extraneous materials. 17792

EUBLABERUS DISTANTI

Reproduction of some poorly known species of Blattaria.

UBLABERUS POSTICUS Reproduction of some poorly known species of Blattaria.	The effect of blood-feeding on the longevity of radiationresistant yellow-fever mosquitoes. 17885	FAT BODY Accumulation of glycine in the fat body of the silkworm, Bombyx mori L.
17765	Rearing stored product insects for laboratory	17803
USCELIDIUS VARIEGATUS The directions of the flow of food in the alimentary tract of the leafhopper Euscelidius	studies: Six species of moths. 17887	FATTY ACIDS Relation of invasion of cereal grains and oil seeds by storage fungi to increase in total and major in-
variegatus KBM. (Jassidae).	Biology of the elm leaf beetle in southern Arizona.	dividual fatty acids. (Abstract).
XOCORTIS (ORANGES)	17898	FEATHERS
Exocortis in Ortanique orange. 18001	Comparative life histories of chlordane-resistant and nonresistant German cockroaches. 17901	Mercury content in feathers of Swedish birds from the past 100 years.
XPERIMENTAL INSECTS	Oviposition preferences of western corn root-	18198
Bionomics of the mosquito Anopheles franciscanus Mccracken in California.	worms for various soil surface conditions.	FECES Further studies on the effect of bovine diet on
Photoinhibitory function of the dorsal ocelli in	A medium for laboratory rearing of the peach	face fly development.
the phototactic reaction of the migratory locust Locusta migratoria L.	tree and lesser peach tree borers. 18114	Corynebacterium equi infection in two foals. 18225
17786	Introducing and establishing the noninclusion	A new technique for the recovery of Fasciola gi-
Sex ratio in pupae of the yellow-striped armyworm.	virus of the citrus red mite in citrus groves. 18117	gantica eggs from cattle faeces. 18354
17789	Role of host plant in production of winged forms	FEED
Field studies of sex attraction in the boll weevil. 17790	by a green strain of pea aphid Acyrthosiphon pisum. 18120	Studies on the pathogen and vector of dutch clm disease. A. Morphogenesis in Ceratocystis ulmi.
Mechanism of locust jumping.	EXTRACTS	B. Chemicals stimulating feeding by Scolytus
17793	New techniques to bioassay the sex attractant of	multistriatus. II. An improved method for the isolation of a toxic metabolite from Rhizoctonia
Laboratory propagation of Muscidifurax raptor on face fly pupae.	pink bollworms with olfactometers.	leguminicola.
17794		18051
Selective recovery of volatile products from house flies treated with radioactive insecticide	Cytochrome oxidase and mitochondrial protein in extracts of leaves of Nicotiana glutinosa L. In- fected with tobacco mosaic virus.	Alberta, 255,000 square miles, free of rats.
chemicals and synergists.	18045	Determination of cesium-137 and related sam- pling problems of dairy cattle feeds, 1962-1967.
Chemical sterilization of the stable fly Stomoxys	Oligosaccharidases from Macracanthorhynchus	18197
calcitrans (Linne), with metepa and hempa.	hirudinaceus (Acanthocephala) from swine. 18186	Some nutritional aspects of dietary magnesium in
	Levels of 5 beta-pregnan-3 alpha, 6 alpha-diol-	ruminants and poultry. 18227
Temperature relationships of the development of northern corn rootworm eggs.	20-one in urine and its relationship to other	Survival of salmonella, viable bacterial count and
17802	metabolites of progestrone in urine of the non- pregnant domestic sow.	appearance of contamination-indicating organ-
Influence of repellency on the efficacy of blatti- cides. IV. Comparison of four cockroach species.	18189	isms in Salmonella-positive feedstuff. 18253
17814	Comparison of metabolites of progesterone-4-	Medicated feeds; approval of new drug applica-
Difference in response of two strains of scrcw-	14C in urine from a nonpregnant domestic sow. 18190	tions.
worm flies to the male pheromone.	Myoglobin in control and dystrophic chickens.	18270
Spread of the boll weevil by drainage water and	18250	The utilization of vitamin A and carotene by ru- minants. 1. Vitamin A potency of carotenes in
air currents.	Note on the determination of carbaryl residues in hen skin.	corn silage fed to lambs. 2. The effect of time and route of administration of vitamin A on liver
Field tests of chemicals for control of the Eu-	18406	vitamin A storage by steers. 3. The effect of
ropean corn borer. 17831	Plant growth regulations in Ditylenchus dipsaci, Ditylenchus triformis and host tissues.	route of administration of vitamin A on blood serum and liver vitamin A concentrations in
Field and laboratory studies on the coology and	18437	steers at subsequent time intervals. 18281
morphology of Nabis americoferus Carayon and its parasites in California.	Light stimulated biosynthesis of gibberellins in Fusarium moniliforme.	Further evaluation of animal systemic insecti-
17834	18462	cides, 1967.
A study of the nuclear polyhedrosis virus on the beet armyworm, Spodoptera exigua (Hubner),	Effect of calcium availability on alfalfa grown in calcareous high sodium soils.	18347 Niagara NIA-10242 insecticide residues: Their
with emphasis on stability, pathogenicity and histopathology.	18464	persistence in coastal bermudagrass, corn, and silages, and their effect, fed in silage, on lactating
17837	Nutritional requirements of a tomato tissue cul- ture: Growth promoting factors from peas.	cows.
Parthenogenesis in gum emperor moth	18478	18400
Antheraea eucalypti (Scott).	Gel permeation cleanup for malathion in wheat,	Pyrrolizidine alkaloid poisoning in calves. 18412
Medium and techniques for mass rearing the red- banded leaf roller.	using a non-ionic, cross-linked polystrenc polymer.	Qualitative identification of chlortracycline and
17843	18482	oxytetracycline in fecds. 18491
Costelytra zealandica (White) sex attraction.	Plant hormones-V. Thin-layer and gas-liquid chromatography of the gibberellins; direct in-	FEED ADDITIVES Medicated feeds; approval of new drug applica-
Pre-imaginal conditioning in Drosophila.	dentification of the gibberellins in a crude plant extract by gas-liquid chromatography. 18485	tions.
Food distribution within colonics of the Argen-	EYES	FEEDING
tine ant, Iridomyrmex humilis (Mayr).	Photoinhibitory function of the dorsal ocelli in the phototactic reaction of the migratory locust	Some observations on compulsory feeding of sandflies (Diptera, Phlebotominae) with the cul-
Interception of apple maggot adults on colored	Locusta migratoria L.	ture of leptomonads.
trans in an orchard	17786	17778

The occurrence of bacteria in chronic purulent

A new technique for the recovery of Fasciola gi-gantica eggs from cattle faeces.

18335

18354

Spider populations in grain sorghums.

Biting in Orthoptera and their allies.

The phylogenetic development of food selection in certain orthopteroids.

17784

17825

17826

17860

17868

17883

eye discharge.

FASCIOLA GIGANTICA

Endogenous diurnal rhythm of pupation in a

Chambers for collecting and observing single pupae of three stored-product moths.

mosquito population.

FEEDLOTS

The influence of temperature and humidity on	FESTUCA ARUNDINACEA The interrelationships of Rhizoctonia solani and	FISH CONSERVATION
the development of Tenebrio molitor L. 17850	Helminthosporium vagans, nitrogen, and variety	Preventing fish and wildlife losses. 18385
Food distribution within colonies of the Argen- tine ant, Iridomyrmex humilis (Mayr).	on alkaloids in Festuca arundinacea. (Abstract). 18443	FISH MEAL
17859	FETAL MEMBRANES	Survival of salmonella, viable bacterial count and appearance of contamination-indicating organ-
The development of Theileria parva in the salivary glands of the tick, Rhipicephalus appendicu-	Improvement of a method for culturing the eggs of the Phasmid Carausius morosus Br. deprived	isms in Salmonella-positive feedstuff. 18253
latus.	of the chorion.	FLAGELLA
The effect of blood-feeding on the longevity of	Placental pathology of experimentally-induced	Biochemical and serologic characterestics of Vibrio isolants from cattle.
radiationresistant yellow-fever mosquitoes.	enzootic abortion in ewes. 18300	. 18337
Cross protection between a plant virus and	FIBROMA	FLAVONES Fungistatic constituents in citrus varieties re-
potato psyllid yellows.	Electron microscopy of bovine papilloma and deer fibroma viruses.	sistant to the mal-secco disease.
A bioassay technique for screening feeding	18328	18046 FLAX
stimulants for larvae of tobacco budworm.	FIBROSIS Pyrrolizidine alkaloid poisoning in calves.	Quantitative histology of Melampsora lini re-
A medium for laboratory rearing of the peach	18412	sistance in flax. (Abstract).
tree and lesser peach tree borers.	FIELD CROPS Prevalence of Thielaviopsis basicola in naturally	FLORA
Constituents of the cotton bud, XIII. Further stu-	infested soil after cultivation of various crops for five consecutive years. (Abstract).	Microflora associated with agalactia syndrome of sows.
dies on a nonpolar feeding stimulant for the boll weevil.	17997	18207
18124	Weeds in agronomic crops. Field corn, soybeans. 18159	FLUORESCENCE The statistical description of a spray in terms of
Effects of high gossypol cottonseed meal on the electrocardiogram of swine.	Tobacco.	drop velocity, size, and position.
18179	Comparative Cs-137 content of agricultural	FLUORESCENT ANTIBODY TECHNIC
Distribution of mercury compounds in fish and birds.	crops grown in a contaminated soil.	A fluorescent micro-plaque assay for hog cholera virus. Localization of infection with homologous
18180	18389 FIGS	antiserum.
Effects of urease inhibitors on sheep fed diets containing urea.	Development of parthenocarpic and non-	Enzootic rabies in rodents in Thailand.
18182	parthenocarpic syconia of Ficus carica L. cv. King in relation to endogenous and exogenous	18320
Bacteriological studies of poultry litter fed to livestock.	growth regulators.	FLUORESCENT DYES A possible marker for european corn borer
18203	FILARIASIS	moths.
Treatment of Strongyloides ransomi infection of pigs with Thiabendazole and Dichlorvos.	Biology of vector-associated diseases in Viet- nam.	17882
18275	17913	Use of fluorescent brightener as aid to studies of fungistasis and nematophagous fungi in soil.
Alterations in the response and functions of the chicken pancreas induced by feeding unheated	Epizootiologic observations of canine filariasis in Georgia.	FLUORESCENT SUBSTANCES
and autoclaved soybean meal.	18330	Techniques of marking insects with micronized
FEEDLOTS 18314	The directions of the flow of food in the alimen-	fluorescent dust with especial emphasis on mark- ing millions of Lygus hesperus for dispersal stu-
Growth and development of the bovine as re- lated to certain endocrine factors.	tary tract of the leafhopper Euscelidius variegatus KBM. (Jassidae).	dies. 17886
18234	17865	FOALS
FELINE INFECTIOUS ENTERITIS Characterization studies on feline panleucopenia	Effect of culture filtrates of Pseudomonas phaseolicola on the growth of excised roots and	Corynebacterium equi infection in two foals. 18225
virus. (with). II. Pathogenesis in the host,	callus tissue cultures of bean. (Abstract).	FOG
FENAC 18233	FIRE	Speedometer adapted for fog calculations.
A mechanism of enhanced resistance to Cerato-	Desert grassland mesquite and fire.	FOLIAR APPLICATION
cystis ulmi in American elms treated with sodium trichlorophenylacetate.	FIRE BLIGHT (FRUIT)	Control of the elm leaf beetle in Arizona.
17956	Serological diagnostic method without isolation of Erwinia amylovora culture from a diseased	FOMES ANNOSUS
FENUSA PUSILLA Control of the birch leaf minor with disulfoton.	plant. 18002	Two new hardwood hosts of Fomes annosus. 17930
FERTILITY 18086	FISH	Survival and growth of Fomes annosus at high
Tetraploid females in the hymenopteron, Mor-	Distribution of mercury compounds in fish and birds.	concentrations of borax. (Abstract).
moniella. 17906	18180	FOMES APPLANATUS
The experimental use of bull semen con-	Methyl mercury compounds in fish. 18199	Germination of Foines applanatus basidiospores.
taminated with Pseudomonas aeruginosa organ- isms.	Ecology of Clostridium botulinum type E.	(Abstract). 18429
FERTILIZATION (PLANTS)	Detergents.	FOMES FOMENTARIUS Characteristics of a seasonal population of air-
Weeds in agronomic crops. Field corn, soybeans.	18387	borne Fomes fomentarius basidiospores. (Ab-
FERTILIZER APPLICATION	Detoxification of pesticidal residues in fish and shellfish.	stract). 18438
Experiments and considerations on the anomo-	18393	FOMES GEOTROPUS
lies of tomatoes of the super marmande type in hot houses, connections with the use of some	Water pollution. Effects of pollution on fish life. General aspects of water pollution biology.	An arylsulfatase in the wood rotting basidio- mycete, Fomes geotropus.
plant hormones.	Toxic blue-green algae in Saskatchewan.	18035
FERTILIZERS	18414	FOOD Notes on microanalytical techniques in the anal-
Reducing spring discharge of Venturia inaequalis ascospores by composting overwintering leaves.	On the principal way of attack of rotenone in fish.	ysis of foods for extraneous materials. 17792
17929	18415	Food distribution within colonies of the Argen-
Agricultural (livestock) wastes.	Foxic effects of odorous trace organics.	tine ant, Iridomyrmex humilis (Mayr). 17859

Annals of the Phytopathological Society of Japan.

Fungistatic constituents in citrus varieties re-

sistant to the mal-secco disease.

18044

18046

		FUNGICIDES
The directions of the flow of food in the alimen-	Some factors affecting interferon production by	FUMIGATION
tary tract of the leafhopper Euscelidius variegatus KBM. (Jassidae).	foot-andmouth disease virus in bovine tissue cul- tures.	Reinfestation of forest sites by the Texas leaf- cutting ant.
17865	18316	18107
Food intake and growth of burro foals after 250 roentgens of cobalt-60 whole-body gamma irradiation.	Interference between modified and virulent strains of footand-mouth disease virus. 18317	The tolerance of imported commodities to fu- migation with methyl bromide. 18112
18271	Improved techniques for the detection of foot-	Fumigation-an effective method of rat control in
Estimation of radiation resistance values of microorganisms in food products.	and-mouth disease virus in carrier cattle. 18325	Kuttanad in Alleppcy district (Kerala).
18383	The influence of the host cell, ionic strength and	FUNG1
The toxicity and distribution of mercury. 18410	chymotrypsin on foot-and-mouth disease virus electrophoretic mobility.	Mitotic recombination in conidiophores of ver- ticillium alboatrum.
OOD ADDITIVES	EODAGE BLANTS	17922
The organization and activities of the Bureau of Veterinary Medicine, Food and Drug Adminis-	FORAGE PLANTS Comparative Cs-137 content of agricultural crops grown in a contaminated soil.	The impact of fungi on man. QK603.0T3.
tration. 18496	18389	Incidence and pathogenicity of fungi found on
OOD CONTAMINATION	FOREIGN TRADE	cranberry in Wisconsin. 17984
A survey to determine the salmonella contamina-	Interceptions of plant diseases through the port	Biological and ecological relationships of the
tion rate in livestock and poultry feeds. 18204	of Bombay.	fungus, Entomophthora coronata (Costantin) Kevorkian and the garden symphylan, Scu-
Survival of salmonella, viable bacterial count and appearance of contamination-indicating organ-	The tolcrance of imported commodities to fu- migation with methyl bromide.	tigerella immaculata (Newport). 18012
isms in Salmonella-positive feedstuff. 18253	FOREST SEED PRODUCTION	Role of nitrogen in wood deterioration. VI.
OOD HABITS	Insects affecting seed production of Shortleaf	Mycelial fractions and model nitrogen com-
The phylogenetic development of food selection in certain orthopteroids.	pine in the Georgia piedmont.	pounds as substrates for growth of Polyporus ver- sicolor and other wood-destroying and wood-in- habiting fungi.
17825	FORESTRY	18018
OOD PLANTS	Forestry.	Interactions of Aphelenchus avenue and some
The phylogenetic development of food selection in certain orthopteroids.	Swedish studies of game that had been found	nematodetrapping fungi in dual culture. 18134
17825	dead as well as specimens that had been shot.	Fungi in stored products.
Pesticides in the coming struggle for food.	18411	18377
17936	FORESTS	Effect of thiram upon glucose catabolism by
Tolerances and exemptions from tolerances for pesticide chemicals in or on raw agricultural	On a tenth new Sphaeroceraspis of the central African forest (Hom. Coccoidea Diaspidini). 17740	Fusarium oxysporum. (Abstract). 18425
commodities. Diuron. 18396	Reinfestation of forest sites by the Texas leaf-	Pectolytic enzyme production by Phy- matotrichum omnivorum. (Abstract).
Tolerances and exemptions from tolerances for	cutting ant.	18427
pesticide chemicals in or on raw agricultural commodities, alphanaphthaleneacetic acid.	FORMIC ACID	Auxotrophic mutants of Phytophthora species. (Abstract).
18397	Defense mechanisms of arthropods. XXI. Formic	18432
Tolerances and exemptions from tolerances for pesticide chemicals in or on raw agricultural	acid and n-nonyl acetate in the defensive spray of two species of Helluomorphoides. 17816	Effect of fungal estrogen F-2 on the production of perithecia by Fusarium roseum
commodities. Trifluralin. 18398	FORMICIDAE	Graminearum'. (Abstract).
Tolerances and exemptions from tolerances for pesticide chemicals in or on raw agricultural	New data concerning the ant genus Camponotus (Hymenoptera, Formicidae) from the uSSR fau-	Phosphorus content during development of
commodities. Ethyl 4,4'-Dichlorobenzilate.	na. 17739	Claviceps purpurea. 18454
18399	FOXES	Light stimulated biosynthesis of gibberellins in
What veterinarians can do about the salmonella	Immunization of foxes with inactivated wirus rabies vaccine.	Fusarium moniliforme. 18462
problem. 18321	18315	Physiology of germination of chlamydospores of
OOD SUPPLY	FRAXINUS AMERICANA	Phytophthora cinnamomi. 18463
The phylogenetic development of food selection in certain orthopteroids.	Two new hardwood hosts of Fomes annosus. 17930	FUNGICIDES
17825	FREQUENCY DISTRIBUTION	Pesticides and pollution. SB959.0U4.
OCT-AND-MOUTH DISEASE The epizootiological importance of foot-and-	The frequency of penetration of epidermal strips and intact wheat leaves by Puccinia graminis f.	Evaluation of systemic fungicides and insecticides for the control of cotton boll rot in vitro.
mouth disease carriers. 1. Experimentally produced foot-and-mouth disease carriers in	sp. tritici.	(Abstract).
susceptible and immune cattle.	FRUIT Development of parthenocarpic and non-	Carbon dioxide-powered plot sprayer for turf-
OOT-AND-MOUTH DISEASE VIRUS	parthenocarpic syconia of Ficus carica L. cv. King in relation to endogenous and exogenous	grass disease control fungicide application. 17969
Foot-and-mouth disease in swine. I. The immune response of swine to chemically-treated and non-	growth regulators.	Systemic-chemical paints for the control of Cytospora canker disease in prune trees.
treated foot-and-mouth disease virus.	Permeability changes in pear fruits associated	17996
Foot-and-mouth disease in swine. II. Some physi-	with pathogenesis by Erwinia amylovora. (Abstract).	Effect of soil fungicides on development of fungi in soil and on kernels of groundnut.
calchemical characteristics of antibodies produced by chemically-treated and non-treated	17961	18003
foot-and-mouth disease virus.	FUMIGANTS	Effect of variety on the control of potato late
18289 Changes in protein and nucleic acid metabolism	Evaluation of nematocides for controlling reniform nematodes on sweetpotatoes.	blight with fungicides. (Abstract). 18013
in habe because hide and metabolish	17918	Annals of the Phytomethological Cogisty of

flour bcetle in a column of paddy.

Soil fumigants tested for control of crown gall. 17973

Studies on hydrogen phosphide against the red

18113

in baby hamster kidney cells infected with foot-and-mouth disease virus.

lonizing irradiation of foot-and-mouth disease

virus and its ribonucleic acid.

18308

FUNGUS DISEASES (ANIMALS)

onion caused by some fungicides.

New fungicides effective for pecan scab control in Georgia. 18077

The increased attack of Ditylenchus dipsaci on

Analytical problems: Mercury in the general environment.

18132

The toxicology of different organo-mercurials used as fungicides.

18418

Laboratory tests of fungicides against Peronospora parasitica (Pers. ex. Fr.) Fr. 18433

Studies on the fungitoxicity of captan. Vi. Decomposition of 35S-labelled captan by Neurospora crassa conidia.

18469

On a mechanism of fungicidal action of surfaceactive agents.

Heterocyclically substituted monohalogeno-1,3,5-triazines. Patent 3,407,201.

18490

FUNGUS DISEASES (ANIMALS)

The impact of fungi on man. QK603.0T3.

17934

Establishment of the pathological relationship between plant and animal isolates of Geotrichum candidum, in embryonated chicken eggs.

18730

FUNGUS DISEASES (PLANTS)

ternaria

conidiophores. (Abstract).

The effect of disinfection on cereal seeds determined in laboratory experiments and emergence tests in soil.

The relation of rainfall, relative humidity, and temperature to late blight of potato in Sedes, Sindos-Lahanokipi of Nomos Thessaloniki.

17925

The impact of fungi on man. QK603.0T3. 17934

Abstracts of papers accepted for presentation at the sixtieth annual meeting of The American Phytopathological Society, Columbus, Ohio, 2-6

17938

September 1968. Irreversible inhibition of spore formation in Al-

of 17939

17941

Quantitative histology of Melampsora lini resistance in flax. (Abstract).

tomato by dedifferentation

Studies on the chemical control of rice blast caused by Piricularia oryzae Cav. 17942

Evaluation of systemic fungicides and insecticides for the control of cotton boll rot in vitro. (Abstract).

17943

The biology and ecology of Fusarium oxysporum f. melonis in soil and the root zones of host and nonhost plants.

17944

Pathogenicity of some blue-stain fungi in the genus Ceratocystis. (Abstract).

17945

Disease involvement of nonalliaceous hosts by Pyrenochaeta terrestris. (Abstract).

17947

Analysis of competition in model systems. (Abstract).

Number of zoospores of Aphanomyces euteiches required for infection on peas. (Abstract).

Effects of watering frequency and saturation time on fine root necrosis of peach caused by

Pythium spp. (Abstract). The role of IAA in host reaction to different iso-

lates of Phytophthora cactorum. (Abstract) 17955 A mechanism of enhanced resistance to Ceratocystis ulmi in American elms treated with sodium trichlorophenylacetate.

17956 Morphology and longevity of Verticillium albo-

atrum in cotton leaves. (Abstract). 17957 Helicopter application of phytoactin to

17958

Chemical treatment of Hypoxylon cankers on aspen. (Abstract).

whitebark pine. (Abstract).

17959

Germination of immature and mature spores of Diplodia natalensis. (Abstract).

Relation of uredial and urediospore counts to

epiphytotic development of wheat rusts and the value of the counts in predicting disease. (Abstract). 17962

Distribution in Ontario of Verticillium strains causing wilt of potatoes.

17963

factor of Sclerotinia fructigena and its significance in brown rot of apple. Influence of nitrogen form on the incidence and severity of Aphanomyces root rot of peas. (Ab-

Pectin methyl-trans-eliminase as the maceration

Patch canker of Hevea brasiliensis caused by

Phytophthora palmivora. 17967

Susceptibility of tomato varieties to Sclerotium rolfsii.

17968 The relationships of ozone, Lophodermium

pinastri and Pullularia pullulans to needle blight of Eastern white pine.

17972 Occurrence of poplar cankers caused by Fusari-

um solani in Iowa. 17975 Effect of soil sterilization and soil type on ap-

parent susceptibility of two muskmelon varieties to Fusarium oxysporum f. sp. melonis. (Ab-

Mycelial growth and production of oospores as affected by beta-sitosterol, and the germination

of oospores of Phytophthora megasperma var. sojae. (Abstract). 17979 Incidence and pathogenicity of fungi found on

cranberry in Wisconsin.

17984 Seedling resistance to powdery mildew of Purdue 5752Cl-7-5-1 wheat derived from Triticum timopheevi. (Abstract). 17987

The development of Albugo candida-induced 'green islands' on Brassica juncea cotyledons. 17992

The role of cotton and bean seed exudate in preemergence infection by Rhizoctonia solani.

Effect of moderate adult resistance on penetration, hyphal growth rates, and urediospore production by crown rust of oats. (Abstract). 17995

Ascospore production, discharge and infection by Glomerella cingulata causing coffee berry disease.

Comparative physiology of Pinus monticola Dougl. resistant and susceptible to Cronartium ribicola J. C. Fisch. ex. Rabenh. 18000

A Phytophthora from subterranean clover roots that attacks soybean and other legumes. (Abstract).

18004

Protein and enzyme changes in wheat leaves following infection with Puccinia recondita.

18005

18015

Isolation and properties of Plasmodiophora brassicae plasmodia from infected crucifer tissues and tissue culture callus. (Abstract).

The response of bean to ozone as related to infection by Pseudomonas phaseolicola. (Abstract).

Genetic variation in susceptibility to fusiform rust in a wild population of loblolly pine. (Ab-18010

Effect of variety on the control of potato late blight with fungicides. (Abstract). 18013

Races of Puccinia polysora in Nigeria.

Relationships among races of Pyricularia oryzae. (Abstract. 18016

Multiplication of Pseudomonas glycinea in buds of soybean seedlings. (Abstract).

18017 Effect of rutin and its degradation products on

Fusarium root rot of bean. (Abstract). 18019

Phytoalexin production in corn resistant to Hel-

minthosporium turcicum.

Stimulation of Sclerotium rolfsii and its antagonists by volatile components of alfalfa hay. (Abstract).

Stem rust infection and development in artificially inoculated fields of wheat at Hays, Kans., and its effect on yield, 1960 to 1965. (Abstract).

Low light intensity promotes melting out of bluegrass. (Abstract).

18026 Concentrations of solutes in blister rust infec-

tions of western white pine. (Abstract). 18030

Relation of invasion of cereal grains and oil seeds by storage fungi to increase in total and major individual fatty acids. (Abstract).

Alternaria tenuis on Antirrhinum.

Interaction of Meloidogyne javanica and Phytophthora parasitica var nicotianae on Nicotiana tabacum (N. C. 95.' (Abstract).

18036 Environmental effects and transfer events during primary infection of wheat by Erysiphe graminis.

Some additions to the species of Cercospora from West Pakistan.

18033

Increasing the efficacy of fungicidal control of black pod rot of cacao incited by Phytophthora palmivora. (Abstract).

Factors influencing aflatoxin accumulation in peanut kernels and the associated mycoflora.

18043 Annals of the Phytopathological Society of

Japan.

Studies on the pathogen and vector of dutch elm disease. A. Morphogenesis in Ceratocystis ulmi. B. Chemicals stimulating feeding by Scolytus multistriatus. 11. An improved method for the isolation of a toxic metabolite from Rhizoctonia leguminicola. 18051

Susceptibility of weakened cottonwood stems to fungi associated with blackstem.

Factors affecting the infection of black spruce	Extent of Aspergillus flavus and Fusarium ox-	GASTROENTERITIS
(Picea mariana Mill.) transplants by Cylin-	ysporum germination in soil and in the rhizo-	A collective outbreak of transmissible gastroen-
drocladium scoparium.	sphere of peanut. (Abstract).	teritis in swine. III. Isolation of a virus with
18056		cytopathogenie effect and its properties. 18241
Conditions for infection of celery by Septoria	FUSARIUM ROSEUM Effect of fungal estrogen F-2 on the production	
apiicola.	of perithecia by Fusarium roseum	Stained monolayer test: a color test in disposable plastic trays for titrating transmissible gastroen-
	Graminearum'. (Abstract).	teritis virus and neutralizing antibodies.
Additional information on the pathogenicity of Scleroderris lagerbergii.	18442	18343
18065	FUSARIUM SOLANI	Microbiology, Gastrointestinal outbreaks.
Studies of the resistance of local apple varieties	Occurrence of poplar cankers caused by Fusari-	18392
to scab (Venturia inaequalis (cke.) Wint.) under	um solani in Iowa.	GASTROINTESTINAL SYSTEM
climatic conditions of Central Anatolia.	17975	The directions of the flow of food in the alimen-
18073	Effect of soil fungicides on development of fungi	tary tract of the leafhopper Euscelidius
Ultrastructure of host and parasite in compatible	in soil and on kernels of groundnut. 18003	varicgatus KBM. (Jassidae).
and incompatible ineractions of Zea mays L.	Cultural and pathogenicity studies of induced	
with Puecinia sorghi Schw.	variants of bean and pea root rot Fusarium spe-	Clinical aspects of toxic infections by anaerobic
	cies.	germ spores in ruminants. 18229
New fungicides effective for pecan scab control	18078	
in Georgia.	FUSARIUM SOLANI PHASEOLI	Gastrointestinal parasitism in feeder calves of southern Illinois.
	Analysis of competition in model systems. (Ab-	18279
Root rot as a cause of red clover decline in leys in Finland.	stract).	Microbiology. Gastrointestinal outbreaks.
18079	17949	18392
On light-sensitivity in germinating uredospores	Effect of rutin and its degradation products on	GELS
of wheat brown rust.	Fusarium root rot of bean. (Abstract).	Identification of Xanthomonas species by acryla-
18080		mide-gel disc electrophoresis of soluble bacterial
Establishment of the pathological relationship	FUSICLADIUM EFFUSUM New fungicides effective for pecan scab control	proteins. (Abstract).
between plant and animal isolates of Geotrichum	in Georgia.	18439
candidum, in embryonated chicken eggs.	18077	Gel permeation cleanup for malathion in wheat,
18239	GALLERIA MELLONELLA	using a non-ionic, eross-linked polystrene
Effect of temperature on germination of	Results concerning humoral immunity of Pyrr-	polymer. 18482
Podosphaera leucotricha conidia. (Abstract).	hocoris apterus I. and Galleria mellonella F.	
18436	17842	GENES Studies on selection in natural and experimental
Teliospore germination of Puccinia recondita f.	GAMASIDES	populations of Drosophila pseudoobscura.
sp. tritici (Abstract).	A new species of the gamasid mite Ichoronyssus	17781
	mirabilis Senotrusova et Tagiltsev sp. n. (Acariformes, Gamasoidea) from whiskered mil-	Oncogenesis in the (tu) y2v;vg strain of Droso-
Stromatal rind formation in the brown rot fungi. 18477	lers of the Zaisan hollow.	phila melanogaster.
USARIUM	17769	17787
The effect of disinfection on cereal seeds deter-	Gamasid mites (Gamasoidea) as vectors of the	Electrophoretic variation of proteinase in the
mined in laboratory experiments and emergence	disease causative agents.	digestive juice of the silkworm, Bombyx mori L.
tests in soil.	17915	17815
17924	GAMBUSIA AFFINIS	Physiological genetics of melanotic tumors in
Potential of the Rhizobium-Fusarium interac-	Studies on a biological and a chemical method of	Drosophila melanogaster . V. Amino acid
tions on the incidence of alfalfa root rot.	controlling the dark rice field mosquito in Loui- siana.	metabolism and tumor formation in the tu bw; st su-tu strain.
18006	18090	17902
Influence of nitrogen nutrition on Fusarium root	GAME ANIMALS	Effectiveness of specific genes and gene com-
rot of pinto bean and on its suppression by barley	Swedish studies of game that had been found	binations in conferring resistance to races of
straw. 18028	dead as well as specimens that had been shot.	Xanthomonas malvacearum in Upland cotton.
	18411	(Abstract).
Cultural and pathogenicity studies of induced variants of bean and pea root rot Fusarium spe-	GAMMA GLOBULINS	17978
cies.	Effect of aflatoxin on serum protein fractions of	Phytoalexin production in corn resistant to Hel-
18078	day-old ducklings.	minthosporium turcicum. 18020
Chemistry and physiologic action of the an-	GAMMA RAYS	
tibiotic phytoactin.	Some effects of gamma radiation on the tobacco	Genetics of reaction to Puccinia sorghi in ten corn inbred lines from Africa and Europe.
18492	budworm Heliothis virescens (Fabricius).	18076
USARIUM MONILIFORME	17818	GENETICS
A leaf blight of corn (Zea mays) incited by	The effect of blood-feeding on the longevity of	Actinomycin D-induced phenocopies in Droso-
Fusarium moniliforme. (Abstract).	radiationresistant yellow-fever mosquitoes.	nhila melanogaster and their relevance to dif-

phila melanogaster and their relevance to differential gene transcription. The genetic basis of actinomycin D-induced preferential killing of Drosophilia melanogaster males.

Effectiveness of specific genes and gene combinations in conferring resistance to races of

Xanthomonas malvacearum in Upland cotton. (Abstract).

Genetic variation in susceptibility to fusiform rust in a wild population of loblolly pine. (Abstract).

Effects of genetic cellular resistance on cell transformation and virus replication in chicken

hematopoietic cell cultures infected with avian myeloblastosis virus (BAI-0A). 18295

Tick resistance in cattle: its stability and correlation with various genetic characteristics.

18348

18425

17976

18053

Light stimulated biosynthesis of gibberellins in

Ecology and possible significance of Perithecia

The biology and ecology of Fusarium oxysporum

f. melonis in soil and the root zones of host and

Effect of soil sterilization and soil type on ap-

parent susceptibility of two muskmelon varieties

to Fusarium oxysporum f. sp. melonis. (Ab-

Effect of thiram upon glucose catabolism by

Fusarium oxysporum. (Abstract).

of Calonectria nivalis in the Pacific Northwest.

Fusarium moniliforme.

FUSARIUM OXYSPORUM

FUSARIUM NIVALE

nonhost plants.

stract).

Gamma-ray-induced mutations in Drosophila

melanogaster oocytes: The phenomenon of dose

Avirulent mutant of a strain of ornithosis agent

Food intake and growth of burro foals after 250

roentgens of cobalt-60 whole-body gamma ir-

Chromosomal alternations in pearl millet in-

An enzootic of pseudorabies in swine in Califor-

18152

18465

18257

Gamma irradiation of Heterodera schachtii.

obtained by gamma irradiation.

duced by gammarays.

GARBAGE (FEED)

18160

18168

Vegetable crops III. Cucumbers, watermelons, cantaloupes, squash.

GEOGRAPHY

A physiologic-genetic study of the differential	GLOBIDIOSIS	Relation of invasion of cereal grains and oil seeds
response of navy beans (Phaseolus vulgaris L.) to zinc. 18466	Atypical Globidiosis in a lamb. 18213	by storage fungi to increase in total and major in- dividual fatty acids. (Abstract). 18031
	GLOBIDIUM GILRUTHI	Survival of Rhopalosiphum padi in stored grain
GEOGRAPHY Notes on raising Lepidoptera in Meurthe and	Atypical Globidiosis in a lamb. 18213	during cold weather.
Moselle	GLOMERELLA CINGULATA	18097
17763	Ascospore production, discharge and infection	Fungi in stored products.
A review of recent literature on the host plant	by Glomerella cingulata causing coffee berry dis-	18377
range of the genus Liriomyza mik (Diptera: Agromyzidae) in the Continental United States	ease. 17999	Comparative Cs-137 content of agricultural crops grown in a contaminated soil.
and Hawaii, excluding Alaska.		18389
17770	Chemistry and physiologic action of the an- tibiotic phytoactin.	GRANULOMA
Recent spread and present distribution of fire	18492	Histopathologic changes in male swine with ex-
blight in the world.	GLOSSINA	perimental Brucellosis. 18237
Occurrence of fiber containing fluorescent spots	Retraction of the claim that host pregnancy af-	
associated with Aspergillus flavus boll rot in the	fects pupal production by the tsetse fly.	Liver granulomas of turkeys caustive agents and mechanism of infection.
U. S cotton crop of 1967.	17867	18294
18108	GLOSSINA PALLIDIPES Mitotic chromosomes of Glossina pallidipes	Studies on parasitic granuloma in the dog.
GEOMETRIDAE	Austen.	18365
Meteorological factors affecting the activity of night flying Macro-Lepidoptera.	17905	GRANULOSES
17832	GLUCOSE	Preliminary evaluation of a granulosis virus for control of the codling moth.
GEORG1A	Effect of thiram upon glucose catabolism by	17822
Insects affecting seed production of Shortleaf	Fusarium oxysporum. (Abstract). 18425	GRAPEFRUIT
pine in the Georgia piedmont.		Quantitative changes in organic acids in roots
GEOTRICHUM CANDIDUM	Oxalate biosynthesis and pathways for glucose catabolism in Sclerotium rolfsii Sacc.	and leaves from grapefruit seedlings infected
Establishment of the pathological relationship	18459	with Rhadopholus similis. 18138
between plant and animal isolates of Geotrichum	GLUCURONIDASE	GRAPES
candidum, in embryonated chicken eggs.	Levels of 5 beta-pregnan-3 alpha, 6 alpha-diol-	Black vine weevil larval damage to concord
18239	20-one in urine and its relationship to other	grape roots at different population densities.
GERANIOL Pre-imaginal conditioning in Drosophila.	metabolites of progestrone in urine of the non- pregnant domestic sow.	18088
17858	18189	Plant-parasitic nematodes in grape and raspberry soils of Ontario and a comparison of extraction
GERM-FREE LIFE	Comparison of metabolites of progesterone-4-	techniques.
Liver granulomas of turkeys caustive agents and	14C in urine from a nonpregnant domestic sow.	18153
mechanism of infection.	18190	GRASSES
18294	GLYCINE	Carbon dioxide-powered plot sprayer for turf-
Experimental infection of gnotobiotic Tenebrio molitor and white rats with Hymenolepis diminu-	Accumulation of glycine in the fat body of the	grass disease control fungicide application. 17969
ta (Cestoda: Cyclophyllidea).	silkworm, Bombyx mori L.	Comparative Cs-137 content of agricultural
18363	A comparative study of cell wall glycopeptide	crops grown in a contaminated soil.
GIBBERELLIC ACID	structure of some bovine vibrios.	18389
Interaction of growth regulators in the	18247	Seasonal variation in the concentration of caesi-
senescence of nasturtium leaf disks. 18426	GLYCOLYSIS	um-137 in grass and alfalfa. 18487
Comparison of the effects of gibberellic acid and	Studies on insect (Periplaneta americana L.) phosphofructokinase.	GREENHOUSE CULTURE
aflatoxin in germinating seeds.	17827	Soil fumigants tested for control of crown gall.
18449	GLYCOPEPTIDES	17973
Red light induction of gibberellin synthesis in	A comparative study of cell wall glycopeptide	Races of Puccinia polysora in Nigeria.
leaves. 18468	structure of some bovine vibrios.	18015
GIBBERELLINS	18247	Pathogenic and cultural variation in
Comparative gibberellin relationships in tall and	GLYCURONIC ACIDS	Phytophthora nicotianae var parasitica from greenhouse plants.
dwarf peas (Pisum sativum L.).	Administration of glycuronic acid and its excre- tion in dairy cows.	18064
17916	18333	Introducing and establishing the noninclusion
Development of parthenocarpic and non-	GOATS	virus of the citrus red mite in citrus groves. 18117
parthenocarpic syconia of Ficus carica L. cv. King in relation to endogenous and exogenous	Retraction of the claim that host pregnancy af-	
growth regulators.	fects pupal production by the tsetse fly.	Red pine meedle structure. 18451
17927		GREENHOUSES
Light stimulated biosynthesis of gibberellins in	Contagious bovine pleuropneumonia and the problems associated with its control.	The effect of disinfection on cereal seeds deter-
Fusarium moniliforme. 18462	18276	mined in laboratory experiments and emergence
Wound-induced gibberellins.	Psittacosis-lymphogranuloma venereum agent	tests in soil.
Would-induced globerenins.	isolated during an abortion epizootic in goats.	Selective staining of dead cells in bean leaves in-
Plant hormones-V. Thin-layer and gas-liquid	18286	jured by ozone.
chromatography of the gibberellins; direct in-	GOSSYPOL	17931
dentification of the gibberellins in a crude plant	Effects of high gossypol cottonseed meal on the electrocardiogram of swine.	Experiments and considerations on the anomo-
extract by gas-liquid chromatography. 18485	18179	lies of tomatoes of the super marmande type in hot houses, connections with the use of some
GLANDS (INSECTS)	GRAIN	plant hormones.
Defense mechanisms of arthropods, XXI. Formic	The composition of the thrips species in cereals	17933
acid and n-nonyl acetate in the defensive spray of	in Finland.	Conditions for infection of eelery by Septoria
two species of Helluomorphoides.	17753	apiicola.
Data on the endocrine system of several	The effect of disinfection on cereal seeds deter- mined in laboratory experiments and emergence	The growth, development and control of com-
Diplopoda, Oniscomorphes (Myriapoda).	tests in soil.	mon ragweed.

Ecology and possible significance of Perithecia of Calonectria nivalis in the Pacific Northwest.

17971

17841

Functional degeneration of the venomous gland of Apis during the summer and winter.

		HERBICIDES
GROWTH FACTORS	HELICOPTERS	HEMATOLOGY
The growth, development and control of common ragweed. 18160	Helicopter application of phytoactin to whitebark pine. (Abstract). 17958	Some studies on the pathogenesis and epizootiology of epizootic hemorrhagic disease of deer.
Light quality effects on growth and development	HELIOTHIS	18340
ragweed.	Investigations on the Heliothis nuclear polyhedrosis virus and its development as a	HEMATOPOIETIC SYSTEM Effects of genetic cellular resistance on cell
Growth, development and control of wild radish. 18162	biological control agent.	transformation and virus replication in chicken hematopoietic cell cultures infected with avian
Herbaceous annual and perennial weeds.	Studies of the suitability of certain Heliothis spp.	myeloblastosis virus (BAI-0A). 18295
18174	as a host for Cardiochiles nigriceps Vierick. 18141	HEMEL
GUINEA PIGS Copper and ascorbic acid in guinea pig tissues as	HELIOTHIS VIRESCENS	Metabolism of C14-labeled hemel in male house flies.
effected by dietary intake.	Some effects of gamma radiation on the tobacco budworm Heliothis virescens (Fabricius).	17798
The effect of trauma on production of herpes in-	17818	HEMIPTERA
terferon in guinea pigs.	Egg and larval development of Cardiochiles	Hemiptera associated with pig carrion. 17764
18331	nigriceps.	HEMOPHILIA
Anthelminthic activity of some carbamate derivatives.	A bioassay technique for screening feeding	Correction: Hemophilia-like disease of swine: Cytogenetic studies.
18374	stimulants for larvae of tobacco budworm. 18096	18181
AABITATS On a tenth new Sphaeroceraspis of the central	HELIOTHIS ZEA	Hemophilia-like disease of swine: Cytogenetic
African forest (Hom. Coccoidea Diaspidini).	Role of photoperiod, temperature, and injury in	studies. 18223
17740	induction and termination of the pupal diapause of Heliothis zea (Boddie).	НЕМРА
On Diptera in small mammal burrows in northern Europe and southern Spain.	17877	Chemical sterilization of the stable fly Stomoxys calcitrans (Linne), with metepa and hempa.
17750	HELMINTHIASIS	17797
HAEMATOBIA IRRITANS	The infection of Boophilus microplus with Babe- sia bigemina.	HERBICIDES
Horn fly control with coumaphos. 18349	17795	Evaluation of weed control treatments in field- grown tobacco.
HAEMONCHUS	Biology of vector-associated diseases in Viet-	18158
Nematodiasis in Louisiana dairy cattle. Impact of	nam. 17913	Weeds in agronomic crops. Field corn, soybeans.
host nutrition upon experimental ostertagiasis in the bovine.	Quantitative studies on the kinetics of establish-	18159
18212	ment and expulsion of intestinal nematode popu-	Growth, development and control of wild radish. 18162
HAEMONCHUS CONTORTUS	lations in susceptible and immune hosts. Nippos- trongylus brasiliensis in the rat.	Ornamentals.
Studies on the spring phenomenon in ovine hel- minthiasis. I. Spring rise in stabled sheep.	18364	18164
18372	Studies on the spring phenomenon in ovine hel- minthiasis. I. Spring rise in stabled sheep.	Fencerow weed control made easy. 18165
HALOGEN COMPOUNDS Heterocyclically substituted monohalogeno-	18372	Extermination of Eichhornia azurea Kunth,
1,3,5-triazines. Patent 3,407,201.	Helminths as vehicles and synergists of microbial infections.	Aguape de cordao, on the Ribeira river by means of herbicide applications.
HALOGETON GLOMERATUS	18376	Foress grows small groins
Oxalate metabolism in sheep II. Effect of low	HELMINTHOSPORIUM The effect of disinfection on cereal seeds deter-	Forage crops, small grains. 18167
level Halogeton glomeratus intake on electrolyte metabolism.	mined in laboratory experiments and emergence	Chemical control of nutsedge (Cyperus rotundus
18262	tests in soil.	 L.) and the metabolism of 3,6-dichloro-O-anisic acid (dicamba).
HAMSTERS Changes in protein and nucleic acid metabolism	HELMINTHOSPORIUM CARBONUM	18169
in baby hamster kidney cells infected with foot-	Active uptake of Helminthosporium carbonum toxin and its effect on CO2 dark fixation by corn.	Aquatic weeds.
and-mouth disease virus.	(Abstract).	Forestry.
IAY	18453	18172
Stimulation of Sclerotium rolfsii and its antagonists by volatile components of alfalfa hay.	HELMINTHOSPORIUM SOROKINIANUM Stand loss of small grains in Florida.	Vegetable crops. IV. Beans, sweet corn, to- matoes, rhubarb.
(Abstract).	18057	18173
18021	HELMINTHOSPORIUM TURCICUM	Herbaceous annual and perennial weeds.
Notice of filing of petition regarding pesticide chemicals.	Phytoalexin production in corn resistant to Hel- minthosporium turcicum.	18174
18388	18020	Tolerances and exemptions from tolerances for pesticide chemicals in or on raw agricultural
Flores missesses at the of some sorbelia	HELMINTHOSPORIUM VAGANS	commodities. Diuron.
Electron microscope studies of some cephalic structures of Xiphinema americanum.	Low light intensity promotes melting out of bluegrass. (Abstract).	Tolerances and exemptions from tolerances for
18142	18026	pesticide chemicals in or on raw agricultural
HEAD SMUT (CORN) Chemical control of corn head smut.	The interrelationships of Rhizoctonia solani and	commodities. Trifluralin.
18062	Helminthosporium vagans, nitrogen, and variety on alkaloids in Festuca arundinacea. (Abstract).	Red pine meedle structure.
HEART	18443	18451
The effect of exposure to dicldrin on avoidance	HELMINTHS	Herbicidal composition and method. Patent

HEMAGGLUTINATION HEART RATE Avian adeno-like viruses- Characterization and The effect of exposure to dieldrin on avoidance comparison of seven isolates. response extinction and conditioned heart rate in sheep. HEAT

Engineering and biological aspects of designing and using a selective flame weeder.

response extinction and conditioned heart rate in

sheep.

HEMAGGLUTINATION-INHIBITION TEST California-encephalitis-group viruses in Florida rabbits: Report of experimental and sentinel stu-

63

Anthelminthic activity of some carbamate

derivatives.

18196

18493

18374

The study of the effect of amitrol on the respiration and activity of some enzymes in poppy plants (Papaver somniferum L.). 18479

Amino acid-(phenylazo)-phenylderivatives, xX-III. investigation of the phytotoxic effect of the antipodes of alanine-and phenylalanine-4-(phen-

ylazo)-phenylamides against various plant spe-

3,407,056.

HEREDITARY DISEASES

The effect of hormonal herbicides on the radical buds of Cirsium arvense scop. 18480

HEREDITARY DISEASES

Oncogenesis in the (tu) y2v;vg strain of Drosophila melanogaster. 17787

HERPES SIMPLEX

The effect of trauma on production of herpes interferon in guinea pigs. 18331

HETEROCYCLIC COMPOUNDS

Heterocyclically substituted monohalogeno-1,3,5-triazines. Patent 3,407,201. 18490

HETERODERA ROSTOCHIENSIS

The effect of ultra-violet radiation on the invasion, survival and fertility of larvac of Heterodera rostochiensis.

18136

The yield of potatoes resistant to Hetcrodera rostochiensis on infested land.

18140

The effect of environment on sex determination in Heterodera rostochiensis.

18154

18152

HETERODERA SCHACHTH

Gamma irradiation of Heterodera schachtii.

HETERODERA SCHACTIL

The effect of ultra-violet radiation on the invasion, survival and fertility of larvae of Hetcrodera rostochiensis. 18136

HETERODERA TABACUM Injury to Heterodera tabacum by high soil temperatures. (Abstract).

18143 HEVEA BRASILIENSIS

Patch canker of Hevea brasiliensis caused by Phytophthora palmivora. 17967

Effects of plant growth regulators and other compounds on flow of latex in Hevca brasiliensis.

Note on the determination of carbaryl residues in

hen skin.

IIIBERNATION On cold resistance of the pea aphid Acyrthosiphon pisum Harr (Homoptera,

18406

Aphididac). 17869 Life history of the looper Phigalia titea in Vir-

ginia. 17889

Reducing spring discharge of Venturia inaequalis ascospores by composting overwintering leaves.

A temperature study of the overwintering site of the sheep bot fly Oestrus ovis L.

18373

HISTAMINE

Histidine decardoxylase in strains of Escherichia coli isolated from normal swine and swine with edema disease and enteric disorders. 18307

Nuclcoprotein synthesis during metamorphosis in Drosophila virilis. 17872

HISTIDINE DECARBOXYLASE

Histidine decardoxylase in strains of Escherichia coli isolated from normal swine and swine with edema disease and enteric disorders.

18307

HISTOLOGY

Studies on the biological properties of Toxoplasma gondii in the body of insects, using Pediculus humanus L. as test animals.

17812

Quantitative histology of Melampsora lini resistance in flax. (Abstract).

17941

Pathological changes of acute Newcastle disease in an outbreak in Miyazaki Prefecture with special reference to those of the cloaca.

Histopathological aids to the diagnosis of certain poultry diseases.

18284

18184

Experimental production of rheumatoid arthritis of swine: Physiopathologic changes of tissues. 18319

The fine structure of the tegument of Diphyllobothrium latum (L.). A comparison of the

plerocercoid and adult stages. 18356

Studies on parasitic granuloma in the dog 18365

Effect of ration modifications on aflatoxicosis in the rat.

HISTOPATHOLOGY

Mycotic abortion in ewes produced by Aspergillus fumigatus: pathologic changes.

HOG CHOLERA

Helminths as vehicles and synergists of microbial infections. 18376

HOG CHOLERA VIRUS

Effects of attenuated hog cholcra virus in pregnant swine at various stages of gestation. 18230

Hog cholera: Replication of hog cholera virus in tissue culture with cytopathic effect. 18231

Hog cholera: Safety and protection studies with photodynamically inactivated hog cholera virus.

Electron optical and buoyant density studies of hog cholera virus.

A fluorescent micro-plaque assay for hog cholera virus. Localization of infection with homologous antiserum.

HOMOEOSOMA ELECTELLUM

Chemical control of the sunflower moth on sunflowers. 18123

HOMOGENIZATION

The response of various tissues in neonate calves to bovine papilloma virus (BPV). 18251

HOMOPTERA

Salivary chromosome-like structure of a Coccid chromosome.

Effects of juvenile hormone on protein synthesis during the metamorphosis of the polyphemus silk moth.

Tyrosine metabolism and its hormonal control after cclosion in the adult fleshfly Sarcophaga bullata Parker (Diptera: Sarcophagidae).

Actions of vitamin D3 and sex hormones on calcium metabolism of bone in birds, particularly in hens.

Behavior of equine infectious anemia virus in cell culture and development of a diagnostic test for the disease.

18240

The equine respiratory disease syndrome in the Pacific Northwest. 18272

The use of polyvalent inactivated vaccine therapeutically against equine influenza. 18278

Animal sentinels in a statewide arthropod-borne encephalitis surveillance program.

18298

HOST INDEXING (PLANTS)

The presence of tristeza virus in certain species of citrus in Cyprus.

18042

18139

17874

17910

HOT WATER TREATMENT (PLANTS)

Control of endo- and ecto-parasitic nematodes in turf by hot-water treatments.

HOUSEHOLD INSECTS

Let's talk about the advantages of bait.

Proposed federal Formosan termite quarantine safeguards. Buyer, seller.

HUMAN DISEASES

Studies of the epidemiology of arthropod-borne virus infections at Mitchell River Mission, Cape York Peninsula, north Qucensland. II. Arbovirus infections of mosquitoes, man, and domestic fowls, 1963-1966.

Helminths as vehicles and synergists of microbial infections.

Microbiology. Gastrointestinal outbreaks.

18392

An improved incubator for insects for operation

above room temperature and relative humidity 17734 Field and laboratory studies on the ecology and morphology of Nabis americoferus Carayon and

its parasites in California.

The influence of temperature and humidity on the development of Tenebrio molitor L.

17850 Rearing stored product insects for laboratory

studies: Six species of moths.

17887 Pyrethrins-piperonyl butoxide applied as a fog in an empty grain bin.

17897 Comparative life histories of chlordane-resistant

and nonresistant German cockroaches. 17901

The relation of rainfall, relative humidity, and temperature to late blight of potato in Sedes, Sindos-Lahanokipi of Nomos Thessaloniki.

17925 Races of Puccinia polysora in Nigeria.

18015 Factors influencing aflatoxin accumulation in pe-

anut kernels and the associated mycoflora. 18043

Loss of phorate from a granular formulation applied in the soil.

18110 Stomatal movements; a yearly rhythm.

18473 HYDROCARBONS

The effect of exposure to dieldrin on avoidance response extinction and conditioned heart rate in sheep.

HYDROGEN-ION CONCENTRATION Bionomics of the mosquito Anopheles franciscanus Mccracken in California.

Sub-units of acid phosphatase-1 in Drosophila melanogaster: Reversible dissociation in vitro.

17862

Oxalate metabolism in sheep and its effect on the anion-cation balance. 18188

Manganese toxicity in celery.

HYDROLYSIS

hydrolysis of the Enzymatic encysted parasporale of Bacillus thuringiensis by Bombyx mori L. proteases. 17852

Comparison of metabolites of progestcrone-4-14C in urine from a nonpregnant domestic sow

18190

18196

17783

The epizootiological importance of foot-and-

mouth disease earriers. I. Experimentally produced foot-and-mouth disease earriers in susceptible and immune eattle.

Experimental bluetongue disease in white-tailed

Stained monolayer test: a eolor test in disposable

plastic trays for titrating transmissible gastroenteritis virus and neutralizing antibodics.

HYDROPONICS

HYDROXYLAMINE

ism of ruminants.

HYGIENE

Infrared studies of ethylene chlorohydrin.

The toxicity and distribution of mercury.

Influence of nitrite and hydroxylamine on per-formance and vitamin A and earotene metabol-

18410

INJECTIONS

1830 I

with emphasis on stability, pathogenicity and

Transmission of salmon poisoning disease to

An improved incubator for insects for operation

above room temperature and relative humidity.

dogs by Nanophyetus salmincola eggs.

histopathology.

INCUBATORS

INDEXING

HYLOBIUS PALES	18343	New Zealand Noetuidae (Lepidoptera): Summa-
A description of the pupa of the pales weevil, Hylobius pales, and a method for identifying its	Resistance of cattle to the tick Boophilus microplus (Canestrini). II. Stages of the life cycle	ry of known host plants and a bibliography relevant to the biology of the group.
sex. 17773	of the parasite against which resistance is manifest.	
	18351	INDOLEACETIC ACID
HYMENOLEPIS DIMINUTA Experimental infection of gnotobiotic Tenebrio molitor and white rats with Hymenolepis diminu-	Quantitative studies on the kinetics of establishment and expulsion of intestinal nematode popu-	The role of IAA in host reaction to different iso- lates of Phytophthora eactorum. (Abstract). 17955
ta (Cestoda: Cyclophyllidea).	lations in susceptible and immune hosts. Nippos-	Auxin and erown gall tumor initiation. (Ab-
18363	trongylus brasiliensis in the rat.	straet).
HYPERA POSTICA	18364	18023
Ecological characteristics of the diapause of the Phytonome of the Luzerne Hypera variabilis.	A method for evaluation of vaccines containing pasteurella multocida.	Auxin-induced elimination of a protein in bean
(Col. Curculionidae).	18380	hypocotyl. I8470
17817	Estimation of radiation resistance values of	
Winter oviposition by the alfalfa weevil in Virginia.	mieroorganisms in food products. 18383	Effect of 3-indoleacetic acid on phospholipid membrane components of Avena coleoptiles. 18481
17900	Insecticide residues in pest control.	INDUSTRY
HYPERGAMMAGLOBULINEMIA	18401	The impact of fungi on man. QK603.0T3.
Experimental production of rheumatoid arthritis	IMMUNIZATION	17934
of swine: Physiopathologic changes of tissues.	Avirulent mutant of a strain of ornithosis agent	Distribution of mercury compounds in fish and
HYPERGLYCEMIA 18319	obtained by gamma irradiation. 18195	birds.
Hyperglyeeamia induced by 5-hydroxytryptamin	Further studies on the use of ERA rabies vaccine	18180
in Aehatina fulica (gastropod mollusca). 18178	in domestie animals.	Effects on groudwater. Municipal sources. 18390
HYPODERMA	18201	INFECTIOUS BOVINE RHINOTRACHEITIS
Further evaluation of animal systemic insecti-	Hog eholera: Safety and protection studies with	VIRUS
eides, 1967.	photodynamically inactivated hog cholera virus. 18232	Acute infectious bovine rhinotracheitis and sal-
18347	Artificially induced immunity to enzootic abor-	monellosis in a dairy herd. 18344
HYPOXYLON	tion in ewes.	INFECTIOUS DISEASES
Chemical treatment of Hypoxylon cankers on aspen. (Abstract).	18246	The summer biology of Puccinia striiformis in
17959	Serologie response of swine to Escherichia eoli	southeastern Washington. I. Induction of infee-
HYPSOPERINE	antigens.	tion during the summer.
Control of endo- and ecto-parasitic nematodes in	18273	18072
turf by hot-water treatments.	Foot-and-mouth disease in swine. I. The immune	Mycoplasma meleagridis ('N' strain mycoplasma
18139	response of swine to chemically-treated and non-	- PPLO): Relationship of air sac lesions and
ICERYA AEGYPTIACA	treated foot-and-mouth disease virus. 18288	isolations in day old turkeys (Meleagridis Gallopavo).
Salivary ehromosome-like structure of a Coccid	Immunization of foxes with inactivated wirus ra-	1821I
ehromosome. 17903	bies vaccine.	Stained monolayer test: a color test in disposable
ICHORONYSSUS	18315	plastic trays for titrating transmissible gastroen-
A new species of the gamasid mite lehoronyssus	A method for evaluation of vaccines containing	teritis virus and neutralizing antibodies.
mirabilis Senotrusova et Tagiltsev sp. n.	pasteurella multocida.	18343
(Aeariformes, Gamasoidea) from whiskered mil-	18380	Helminths as vehicles and synergists of microbial
lers of the Zaisan hollow.	IMMUNODIAGNOSIS	infections. 18376
IMMUNITY	Characterization of bovine viral diarrhea viruses	INFLAMMATION
Results concerning humoral immunity of Pyrr-	by their interactions with susceptible host cells. 18243	Seminal vesiculitis syndrome: Lesions in genital
hocoris apterus I. and Galleria mellonella F.	IMMUNOFLUORESCENCE	organs of young bulls.
17842	Pathology a-d immunofluorescence studies of	18208
Cellular immune responses of insects to foreign	bovine myeoplasma mastitis.	INFRARED SPECTRA
tissue implants.	18267	Isolation of a new toxin from cultures of Asper-
17871	IMMUNOLOGY	gillus flavus.
The effect of blood-feeding on the longevity of	Studies on selection in natural and experimental	I8416
radiationresistant yellow-fever mosquitoes.	populations of Drosophila pseudoobseura.	Plant growth regulations in Ditylenchus dipsaei, Ditylenchus triformis and host tissues.
Relationships among races of Pyricularia oryzae.	Effect of aflatoxin on serum protein fractions of	18437
(Abstract.	day-old ducklings.	Infrared studies of ethylene chlorohydrin.
18016	18191	18486
Lack of cytoplasmie inheritance of alfalfa re-	Antibody response to immunization in experi-	INJECTIONS
sistance to the spotted alfalfa aphid.	mental Salmonellosis.	Selective recovery of volatile products from
Methyl mercury compounds in fish.	18269	house flies treated with radioactive insecticide chemicals and synergists.
18199	Experimental transmission of two canine neoplasms: Lymphosarcoma and mast cell leu-	17796
One-year immunity in dogs vaccinated with high	kemia.	Metabolism of C14-labeled hemel in male house
egg-passage rabies virus grown on established	18310	flies.
dog kidney eell line.	IMPORT CONTROL	17798
18222	Interceptions of plant diseases through the port	Results concerning humoral immunity of Pyrr-
Immunochemical and biochemical interrelation-	of Bombay.	hocoris apterus I. and Galleria mellonella F.
ship of Streptococcus agalactiae to the bovine. 18238	ISO14	17842
Duck plague.	INCLUSION BODIES A study of the nuclear polyhedrosis virus on the	Effect of the chemosterilant metepa on the
18263	bect armyworm, Spodoptera exigua (Hubner),	housefly, Musca domestica L. 17848
10203	contracting contract of the co	17040

INJURIES

The effect of trauma on production of herpes in-Race buildup of Xanthomonas malvacearum on cotton in southeast Missouri. terferon in guinea pigs. 17928 18331 INORGANIC COMPOUNDS Local lesion development in Turkish tobacco leaves heated after inoculation with tobacco Analytical problems: Mercury in the general enmosaic virus. (Abstract). vironment 17983 18408 Effect of soil fungicides on development of fungi Inorganic composition and microscopy of citrus in soil and on kernels of groundnut. roots grown under several copper and soil 18003 amendment conditions. Studies on the effects of Hg(II) and sucrose on the mechanical transmission of tobacco mosaic INOSITOL virus ribonucleic acid to pinto bean (Phascolus Nutritional requirements of a tomato tissue culture: Growth promoting factors from peas. 18011 18478 Alternaria tenuis on Antirrhinum. INSECT ADAPTATION 18033 Notes on deathwatch bcetles (Coleoptera) 17821 Additional information on the pathogenicity of Scleroderris lagerbergii. INSECT ANATOMY 18065 Reproduction of some poorly known species of Effect of MCPA on lettuce pre-inoculated with Blattaria. lettuce mosaic virus. 17765 Mechanism of locust jumping. Natural acquisition compared with mechanical inoculation of six-spotted leafhoppers for trans-Reproductive behavior of the potato tuberworm, mission of the oat blue dwarf virus. (Abstract) Phthorimaca operculella (Zeller), (Lepidoptera: Gelechiidae) and the effect of the chemosterilant Control of the elm leaf beetle in Arizona. metepa. 18128 17836 Distribution of mercury compounds in fish and Some information on Triatoma spinolai Porter 1934, with a study of the external genetalia birds. 18180 (Hemiptera, Reduviidae). 17853 Mycotic abortion in ewes produced by Aspergillus fumigatus: pathologic changes. INSECT BEHAVIOR 18184 The foraging behavior of honeybees (Apis mellifera) and bumblebees (Bombus Spp.) on Response of beef cows to exogenous blackcurrant (Ribes nigrum), raspberry (Rubus progesterone and estradiol at various stages postidaeus) and strawberry (Fragaria x ananassa) partum. 17732 Avirulent mutant of a strain of ornithosis agent obtained by gamma irradiation. Habitat selection by Lipara lucens Mg. (Diptera, 18195 Chloropidae) and its survival value. Cystic ovarian disease in dairy cattle: With special reference to its treatment using a combina-The leaf cutting ant, Atta capiguara, curse of the Chorionic gonadotrophin progesterone. 17780 18200 Field studies of sex attraction in the boll weevil. Experimental colibacillosis and the development of carries in laying hens. The phylogenetic development of food selection 18206 in certain orthoptcroids. Hog cholcra: Safety and protection studies with 17825 photodynamically inactivated hog cholera virus. Biting in Orthoptera and their allies. 18232 17826 Water, clectrolyte, and acid-base alterations in The molting behavior of the black widow spider, experimental canine leptospirosis. Latrodectus mactans. 18244 17830 A case of porcine endocarditis associated with Reproductive behavior of the potato tuberworm, Staphylococcus aureus. Phthorimaea operculella (Zellcr), (Lepidoptera: 18248 Gelechiidae) and the effect of the chemosterilant Clostridium perfringens type A infection of metepa. ligated intestinal loops in lambs. 18255 Preliminary observations on the effect of alcohol California-encephalitis-group viruses in Florida and oil films on the oviposition of Culex pipiens rabbits: Report of experimental and sentinel stuquinquefasciatus (Say).

17844 The flight range of Simulium damnosum. 17854 A red dye to evaluate bait formulations and to mass mark field populations of boll weevils 17856 Pre-imaginal conditioning in Drosophila 17858 Food distribution within colonies of the Argentine ant, Iridomyrmex humilis (Mayr). 17859

17864

17873

Catch of insects at different heights in traps

A possible marker for european corn borer moths. 17882 Some comparative data on ecology and

behaviour of Staphylinid beetles (Coleoptera, Staphylinidae). 17890

Comparative life histories of chlordane-resistant and nonresistant German cockroaches

The Columbian timber beetle, Corthylus columbianus (Coleoptera: Scolytidae). VIII. Artifacts and charactetistics of the host tree.

INSECT BIOCHEMISTRY

Content and synthesis of gamma aminobutyric acid in the larval brain of Drosophila melanogaster. 17799

Drosophila alcohol dehydrogenase isozymes: identity of molecular size. 17838

INSECT BIOLOGY

Biological and ecological studies on Caloglyphus mite (Acarinai Acaridae) associated Scarabaeidae. 17743

Habitat selection by Lipara lucens Mg. (Diptera, Chloropidae) and its survival value.

Studies of caste differentiation in Myrmica rubra L. 9. Maternal environment and the caste bias of

larvae Studies on the morphology and biology of

Lecanium fletcheri Ckll. (Homoptera, Coccoidea) and related species. 17813

Effects of mold inhibitors in larval diet on the biology of the cabbage looper.

17847

About lepidopterous immatures.

17857 Rearing stored product insects for laboratory studies: Six species of moths.

17887 Biology of the elm leaf bectle in southern

Arizona. Survival of the balsam woolly aphid on Abies

logs. 18084

INSECT CAGES

Simple field and laboratory method for recovering living ticks (Ixodoidea) from hosts. 17733

Chemical sterilization of the stable fly Stomoxys calcitrans (Linne), with metepa and hempa.

A simplified field cage for trapping pink bullworm adults. 17819

Medium and techniques for mass rearing the redbanded leaf roller. 17843

Black vine weevil larval damage to concord grape roots at different population densities,

18088 INSECT COLLECTING EQUIPMENT

equipped with blacklight lamps.

Alate aphid species captured in yellow pans. 17806

A simplified field cage for trapping pink bullworm adults. 17819

Meteorological factors affecting the activity of night flying Macro-Lepidoptera.

Interception of apple maggot adults on colored traps in an orchard. 17860

bies vaccinc.

manifest.

gillus flavus.

Role of photoperiod, temperature, and injury in induction and termination of the pupal diapause of Heliothis zea (Boddie).

Transmission of salmon poisoning disease to

Immunization of foxes with inactivated wirus ra-

Resistance of cattle to the tick Boophilus

microplus (Canestrini). II. Stages of the life cycle

of the parasite against which resistance is

Isolation of a new toxin from cultures of Asper-

dogs by Nanophyetus salmincola eggs.

17877

18265

18301

18315

18351

18416

Some aspects of mating behavior in butterflies.

fects pupal production by the tsetse fly.

Retraction of the claim that host pregnancy af-

The development of Theileria parva in the saliva-

ry glands of the tick, Rhipicephalus appendicu-

INSECT GENETICS

Chambers for collecting and observing single pupae of three stored-product moths. 17883	INSECT DISSEMINATION	
17993	A review of recent literature on the host plant	infections of mosquitoes, man, and domestic fowls, 1963-1966.
17003		17910
NSECT CONTROL	Agromyzidae) in the Continental United States	INSECT EGGS
Circadian emergence rhythm of a tropical	and Hawaii, excluding Alaska.	Studies of caste differentiation in Myrmica rubra L. 9. Maternal environment and the caste bias of
scolytid, Xyleborus ferrugineus. 17767	Mechanical and electrical activity in the indirect	larvae.
The leaf cutting ant, Atta capiguara, curse of the	flight muscles of the honey bee.	17791
pastures.	1/820	Temperature relationships of the development of northern corn rootworm eggs.
17780	Spread of the boll weevil by drainage water and air currents.	17802
Spider populations in grain sorghums. 17784	17034	The influence of temperature and humidity on
About lepidopterous immatures.	The flight range of Simulium damnosum.	the development of Tenebrio molitor L. 17850
17857	17854	Vital stainining of insect eggs by incorporation of
Actinomycin D-induced phenocopies in Droso-	Techniques of marking insects with micronized	trypan blue.
phila melanogaster and their relevance to dif-		17878
ferential gene transcription. The genetic basis of actinomycin D-induced preferential killing of	dies	Improvement of a method for culturing the eggs
Drosophilia melanogaster males.	1/880	of the Phasmid Carausius morosus Br. deprived of the chorion.
17907	Studies of the epidemiology of arthropod-borne	17894
Special equipment in the Box Elder County	virus infections at Mitchell River mission, Cape York Peninsula, north Queensland. I. Mosquito	Winter oviposition by the alfalfa weevil in Vir-
Mosquito and Fly Abatement District. 17911	collections, 1963-1966.	ginia. 17900
Culicoides control in the Canal Zone by water	17914	Black vine weevil larval damage to concord
management.	Survival of the balsam woolly aprile on Ables	grape roots at different population densities.
17912	logs. 18084	18088
Effects of carly-, mid-, and late-season infesta-		Western corn rootworm egg distribution and
tions of two-spotted spider mites on the yield of cotton.	associated with Aspergillus flavus boll rot in the	adult emergence under two corn tillage systems. 18111
18094	U. S. cotton crop of 1967.	Egg distribution as a factor in suppressing the
Studies of the insect complex affecting seed	Western corn rootworm egg distribution and	green peach aphid by pruning.
production of ponderosa pine in California. 18101	adult emergence under two corn tillage systems.	18122
Improved technique to control shot hole borers	18111	INSECT EVOLUTION Studies on selection in natural and experimental
and bark beetles.	INSECT ECOLOGY	populations of Drosophila pseudoobscura.
18106	On a tenth new Sphaeroceraspis of the central African forest (Hom. Coccoidea Diaspidini).	17781
Attack of the black turpentine beetle on roots of	17740	Some comparative data on ecology and behaviour of Staphylinid beetles (Coleoptera,
slash pines.	Notes on the chorology and ecology of	Staphylinidae).
Anthocoris melanocerus as a predator of the	Araneidae from the Alban Hills (Araneae).	17890
green peach aphid on sugar beets and broccoli.		INSECT FLIGHT
18121	A contribution to the ecology of the May-fly Palingenia sublongicauda Tshern. In the Volga	Catch of insects at different heights in traps equipped with blacklight lamps.
Egg distribution as a factor in suppressing the	delta.	17736
green peach aphid by pruning. 18122	17754	Ecology of insect swarms. V. Movement of in-
	Habitat selection by Lipara lucens Mg. (Diptera,	dividual midges, Anarete pritchardi, within a
Cattle-mosquito study begins in south Texas.		
Cattle-mosquito study begins in south Texas. 18352	Chloropidae) and its survival value.	swarm. 17801
Proposed federal Formosan termite quarantine	Chloropidae) and its survival value.	swarm. 17801 Mechanical and electrical activity in the indirect
18352 Proposed federal Formosan termite quarantine safeguards. Buyer, seller.	Chloropidae) and its survival value. 17761 Notes on raising Lepidoptera in Meurthe and Moselle.	swarm. 17801 Mechanical and electrical activity in the indirect flight muscles of the honey bee.
Proposed federal Formosan termite quarantine safeguards. Buyer, seller.	Chloropidae) and its survival value. 17761 Notes on raising Lepidoptera in Meurthe and Moselle. 17763	swarm. 17801 Mechanical and electrical activity in the indirect flight muscles of the honey bee. 17820
18352 Proposed federal Formosan termite quarantine safeguards. Buyer, seller.	Chloropidae) and its survival value. 17761 Notes on raising Lepidoptera in Meurthe and Moselle.	swarm. 17801 Mechanical and electrical activity in the indirect flight muscles of the honey bee.
Proposed federal Formosan termite quarantine safeguards. Buyer, seller. 18378 Pesticides, their use and misuse.	Chloropidae) and its survival value. 17761 Notes on raising Lepidoptera in Meurthe and Moselle. 17763 On the distribution of Ixodes angustus Neum.(Ix-	swarm. 17801 Mechanical and electrical activity in the indirect flight muscles of the honey bee. 17820 Costelytra zealandica (White) sex attraction.
Proposed federal Formosan termite quarantine safeguards. Buyer, seller. Pesticides, their use and misuse. 18378 Pesticides, their use and misuse. 18495 NSECT CULTURES A comparative study of salivary gland	Chloropidae) and its survival value. 17761 Notes on raising Lepidoptera in Meurthe and Moselle. 17763 On the distribution of Ixodes angustus Neum.(Ixodidae). 17768 A preliminary report of the mosquitoes in the	swarm. 17801 Mechanical and electrical activity in the indirect flight muscles of the honey bee. 17820 Costelytra zealandica (White) sex attraction. 17845 The flight range of Simulium damnosum.
Proposed federal Formosan termite quarantine safeguards. Buyer, seller. 18378 Pesticides, their use and misuse. 18495 NSECT CULTURES A comparative study of salivary gland chromosome asynapsis in tumorigenic and close-	Chloropidae) and its survival value. 17761 Notes on raising Lepidoptera in Meurthe and Moselle. 17763 On the distribution of Ixodes angustus Neum.(Ixodidae). 17768 A preliminary report of the mosquitoes in the Gilgit Agency area.	swarm. 17801 Mechanical and electrical activity in the indirect flight muscles of the honey bee. 17820 Costelytra zealandica (White) sex attraction. 17845 The flight range of Simulium damnosum. 17854 Aphid vectors of barley yellow dwarf virus in
Proposed federal Formosan termite quarantine safeguards. Buyer, seller. 18378 Pesticides, their use and misuse. 18495 NSECT CULTURES A comparative study of salivary gland chromosome asynapsis in tumorigenic and closely related non-tumorigenic strains of Drosophila melanogaster.	Chloropidae) and its survival value. 17761 Notes on raising Lepidoptera in Meurthe and Moselle. 17763 On the distribution of Ixodes angustus Neum.(Ixodidae). 17768 A preliminary report of the mosquitoes in the Gilgit Agency area. 17772	swarm. 17801 Mechanical and electrical activity in the indirect flight muscles of the honey bee. 17820 Costelytra zealandica (White) sex attraction. 17845 The flight range of Simulium damnosum.
Proposed federal Formosan termite quarantine safeguards. Buyer, seller. 18378 Pesticides, their use and misuse. 18495 NSECT CULTURES A comparative study of salivary gland chromosome asynapsis in tumorigenic and closely related non-tumorigenic strains of Drosophila melanogaster. 17804	Chloropidae) and its survival value. 17761 Notes on raising Lepidoptera in Meurthe and Moselle. 17763 On the distribution of Ixodes angustus Neum.(Ixodidae). 17768 A preliminary report of the mosquitoes in the Gilgit Agency area.	swarm. 17801 Mechanical and electrical activity in the indirect flight muscles of the honey bee. 17820 Costelytra zealandica (White) sex attraction. 17845 The flight range of Simulium damnosum. 17854 Aphid vectors of barley yellow dwarf virus in blacklight traps in eastern United States. 18089 INSECT GENETICS
Proposed federal Formosan termite quarantine safeguards. Buyer, seller. 18378 Pesticides, their use and misuse. 18495 NSECT CULTURES A comparative study of salivary gland chromosome asynapsis in tumorigenic and closely related non-tumorigenic strains of Drosophila melanogaster. 17804 NSECT DISEASES	Chloropidae) and its survival value. 17761 Notes on raising Lepidoptera in Meurthe and Moselle. 17763 On the distribution of Ixodes angustus Neum.(Ixodidae). 17768 A preliminary report of the mosquitoes in the Gilgit Agency area. 17772 Bionomics of the mosquito Anopheles franciscanus Mccracken in California.	swarm. Mechanical and electrical activity in the indirect flight muscles of the honey bee. 17820 Costelytra zealandica (White) sex attraction. 17845 The flight range of Simulium damnosum. 17854 Aphid vectors of barley yellow dwarf virus in blacklight traps in eastern United States. 18089 INSECT GENETICS Studies on selection in natural and experimental
Proposed federal Formosan termite quarantine safeguards. Buyer, seller. 18378 Pesticides, their use and misuse. 18495 NSECT CULTURES A comparative study of salivary gland chromosome asynapsis in tumorigenic and closely related non-tumorigenic strains of Drosophila melanogaster. 17804 NSECT DISEASES Oncogenesis in the (tu) y2v;vg strain of Droso-	Chloropidae) and its survival value. 17761 Notes on raising Lepidoptera in Meurthe and Moselle. 17763 On the distribution of Ixodes angustus Neum.(Ixodidae). 17768 A preliminary report of the mosquitoes in the Gilgit Agency area. 17772 Bionomics of the mosquito Anopheles franciscanus Mccracken in California. 17783 A comparative study of salivary gland	swarm. 17801 Mechanical and electrical activity in the indirect flight muscles of the honey bee. 17820 Costelytra zealandica (White) sex attraction. 17845 The flight range of Simulium damnosum. 17854 Aphid vectors of barley yellow dwarf virus in blacklight traps in eastern United States. 18089 INSECT GENETICS
Proposed federal Formosan termite quarantine safeguards. Buyer, seller. 18378 Pesticides, their use and misuse. 18495 NSECT CULTURES A comparative study of salivary gland chromosome asynapsis in tumorigenic and closely related non-tumorigenic strains of Drosophila melanogaster. 17804 NSECT DISEASES	Chloropidae) and its survival value. 17761 Notes on raising Lepidoptera in Meurthe and Moselle. 17763 On the distribution of Ixodes angustus Neum.(Ixodidae). 17768 A preliminary report of the mosquitoes in the Gilgit Agency area. 17772 Bionomics of the mosquito Anopheles franciscanus Mccracken in California. 17783 A comparative study of salivary gland chromosome asynapsis in tumorigenic and close-	swarm. 17801 Mechanical and electrical activity in the indirect flight muscles of the honey bee. 17820 Costelytra zealandica (White) sex attraction. 17845 The flight range of Simulium damnosum. 17854 Aphid vectors of barley yellow dwarf virus in blacklight traps in eastern United States. 18089 INSECT GENETICS Studies on selection in natural and experimental populations of Drosophila pseudoobscura. 17781 A comparative study of salivary gland
Proposed federal Formosan termite quarantine safeguards. Buyer, seller. 18378 Pesticides, their use and misuse. 18495 NSECT CULTURES A comparative study of salivary gland chromosome asynapsis in tumorigenic and closely related non-tumorigenic strains of Drosophila melanogaster. 17804 NSECT DISEASES Oncogenesis in the (tu) y2v;vg strain of Drosophila melanogaster. 17787 Preliminary evaluation of a granulosis virus for	Chloropidae) and its survival value. 17761 Notes on raising Lepidoptera in Meurthe and Moselle. 17763 On the distribution of Ixodes angustus Neum.(Ixodidae). 17768 A preliminary report of the mosquitoes in the Gilgit Agency area. 17772 Bionomics of the mosquito Anopheles franciscanus Mccracken in California. 17783 A comparative study of salivary gland chromosome asynapsis in tumorigenic and closely related non-tumorigenic strains of Drosophila melanogaster.	swarm. 17801 Mechanical and electrical activity in the indirect flight muscles of the honey bee. 17820 Costelytra zealandica (White) sex attraction. 17845 The flight range of Simulium damnosum. 17854 Aphid vectors of barley yellow dwarf virus in blacklight traps in eastern United States. 18089 INSECT GENETICS Studies on selection in natural and experimental populations of Drosophila pseudoobscura. 17781 A comparative study of salivary gland chromosome asynapsis in tumorigenic and close-
Proposed federal Formosan termite quarantine safeguards. Buyer, seller. 18378 Pesticides, their use and misuse. 18495 NSECT CULTURES A comparative study of salivary gland chromosome asynapsis in tumorigenic and closely related non-tumorigenic strains of Drosophila melanogaster. 17804 NSECT DISEASES Oncogenesis in the (tu) y2v;vg strain of Drosophila melanogaster. 17787 Preliminary evaluation of a granulosis virus for control of the codling moth.	Chloropidae) and its survival value. 17761 Notes on raising Lepidoptera in Meurthe and Moselle. 17763 On the distribution of Ixodes angustus Neum.(Ixodidae). 17768 A preliminary report of the mosquitoes in the Gilgit Agency area. 17772 Bionomics of the mosquito Anopheles franciscanus Mccracken in California. 17783 A comparative study of salivary gland chromosome asynapsis in tumorigenic and closely related non-tumorigenic strains of Drosophila melanogaster.	swarm. 17801 Mechanical and electrical activity in the indirect flight muscles of the honey bee. 17820 Costelytra zealandica (White) sex attraction. 17845 The flight range of Simulium damnosum. 17854 Aphid vectors of barley yellow dwarf virus in blacklight traps in eastern United States. 18089 INSECT GENETICS Studies on selection in natural and experimental populations of Drosophila pseudoobscura. 17781 A comparative study of salivary gland
Proposed federal Formosan termite quarantine safeguards. Buyer, seller. 18378 Pesticides, their use and misuse. 18495 NSECT CULTURES A comparative study of salivary gland chromosome asynapsis in tumorigenic and closely related non-tumorigenic strains of Drosophila melanogaster. 17804 NSECT DISEASES Oncogenesis in the (tu) y2v;vg strain of Drosophila melanogaster. 17787 Preliminary evaluation of a granulosis virus for control of the codling moth.	Chloropidae) and its survival value. 17761 Notes on raising Lepidoptera in Meurthe and Moselle. 17763 On the distribution of Ixodes angustus Neum.(Ixodidae). 17768 A preliminary report of the mosquitoes in the Gilgit Agency area. 17772 Bionomics of the mosquito Anopheles franciscanus Mccracken in California. 17783 A comparative study of salivary gland chromosome asynapsis in tumorigenic and closely related non-tumorigenic strains of Drosophila melanogaster. 17804 Ecological characteristics of the diapause of the	swarm. Mechanical and electrical activity in the indirect flight muscles of the honey bee. 17820 Costelytra zealandica (White) sex attraction. 17845 The flight range of Simulium damnosum. 17854 Aphid vectors of barley yellow dwarf virus in blacklight traps in eastern United States. 18089 INSECT GENETICS Studies on selection in natural and experimental populations of Drosophila pseudoobscura. 17781 A comparative study of salivary gland chromosome asynapsis in tumorigenic and closely related non-tumorigenic strains of Drosophila
Proposed federal Formosan termite quarantine safeguards. Buyer, seller. 18378 Pesticides, their use and misuse. 18495 NSECT CULTURES A comparative study of salivary gland chromosome asynapsis in tumorigenic and closely related non-tumorigenic strains of Drosophila melanogaster. 17804 NSECT DISEASES Oncogenesis in the (tu) y2v;vg strain of Drosophila melanogaster. 17787 Preliminary evaluation of a granulosis virus for control of the codling moth.	Chloropidae) and its survival value. 17761 Notes on raising Lepidoptera in Meurthe and Moselle. 17763 On the distribution of Ixodes angustus Neum.(Ixodidae). 17768 A preliminary report of the mosquitoes in the Gilgit Agency area. 17772 Bionomics of the mosquito Anopheles franciscanus Mccracken in California. 17783 A comparative study of salivary gland chromosome asynapsis in tumorigenic and closely related non-tumorigenic strains of Drosophila melanogaster.	swarm. Mechanical and electrical activity in the indirect flight muscles of the honey bee. 17820 Costelytra zealandica (White) sex attraction. 17845 The flight range of Simulium damnosum. 17854 Aphid vectors of barley yellow dwarf virus in blacklight traps in eastern United States. 18089 INSECT GENETICS Studies on selection in natural and experimental populations of Drosophila pseudoobscura. 17781 A comparative study of salivary gland chromosome asynapsis in tumorigenic and closely related non-tumorigenic strains of Drosophila melanogaster. 17804 Tests of genetic systems for the study of the ef-
Proposed federal Formosan termite quarantine safeguards. Buyer, seller. 18378 Pesticides, their use and misuse. 18495 NSECT CULTURES A comparative study of salivary gland chromosome asynapsis in tumorigenic and closely related non-tumorigenic strains of Drosophila melanogaster. 17804 NSECT DISEASES Oncogenesis in the (tu) y2v;vg strain of Drosophila melanogaster. 17787 Preliminary evaluation of a granulosis virus for control of the codling moth. 17822 A study of the nuclear polyhedrosis virus on the beet armyworm, Spodoptera exigua (Hubner), with emphasis on stability, pathogenicity and	Chloropidae) and its survival value. 17761 Notes on raising Lepidoptera in Meurthe and Moselle. 17763 On the distribution of Ixodes angustus Neum.(Ixodidae). 17768 A preliminary report of the mosquitoes in the Gilgit Agency area. 17772 Bionomics of the mosquito Anopheles franciscanus Mccracken in California. 17783 A comparative study of salivary gland chromosome asynapsis in tumorigenic and closely related non-tumorigenic strains of Drosophila melanogaster. 17804 Ecological characteristics of the diapause of the Phytonome of the Luzerne Hypera variabilis.	swarm. Mechanical and electrical activity in the indirect flight muscles of the honey bee. 17820 Costelytra zealandica (White) sex attraction. 17845 The flight range of Simulium damnosum. 17854 Aphid vectors of barley yellow dwarf virus in blacklight traps in eastern United States. 18089 INSECT GENETICS Studies on selection in natural and experimental populations of Drosophila pseudoobscura. 17781 A comparative study of salivary gland chromosome asynapsis in tumorigenic and closely related non-tumorigenic strains of Drosophila melanogaster.
Proposed federal Formosan termite quarantine safeguards. Buyer, seller. 18378 Pesticides, their use and misuse. 18495 NSECT CULTURES A comparative study of salivary gland chromosome asynapsis in tumorigenic and closely related non-tumorigenic strains of Drosophila melanogaster. 17804 NSECT DISEASES Oncogenesis in the (tu) y2v;vg strain of Drosophila melanogaster. 17787 Preliminary evaluation of a granulosis virus for control of the codling moth. 17822 A study of the nuclear polyhedrosis virus on the beet armyworm, Spodoptera exigua (Hubner), with emphasis on stability, pathogenicity and histopathology.	Chloropidae) and its survival value. 17761 Notes on raising Lepidoptera in Meurthe and Moselle. 17763 On the distribution of Ixodes angustus Neum.(Ixodidae). 17768 A preliminary report of the mosquitoes in the Gilgit Agency area. 17772 Bionomics of the mosquito Anopheles franciscanus Mccracken in California. 17783 A comparative study of salivary gland chromosome asynapsis in tumorigenic and closely related non-tumorigenic strains of Drosophila melanogaster. 17804 Ecological characteristics of the diapause of the Phytonome of the Luzerne Hypera variabilis. (Col. Curculionidae).	swarm. Mechanical and electrical activity in the indirect flight muscles of the honey bee. 17820 Costelytra zealandica (White) sex attraction. 17845 The flight range of Simulium damnosum. 17854 Aphid vectors of barley yellow dwarf virus in blacklight traps in eastern United States. 18089 INSECT GENETICS Studies on selection in natural and experimental populations of Drosophila pseudoobscura. 17781 A comparative study of salivary gland chromosome asynapsis in tumorigenic and closely related non-tumorigenic strains of Drosophila melanogaster. 17804 Tests of genetic systems for the study of the effects of dNA in Drosophila melanogaster.
Proposed federal Formosan termite quarantine safeguards. Buyer, seller. 18378 Pesticides, their use and misuse. 18495 NSECT CULTURES A comparative study of salivary gland chromosome asynapsis in tumorigenic and closely related non-tumorigenic strains of Drosophila melanogaster. 17804 NSECT DISEASES Oncogenesis in the (tu) y2v;vg strain of Drosophila melanogaster. 17787 Preliminary evaluation of a granulosis virus for control of the codling moth. 17822 A study of the nuclear polyhedrosis virus on the beet armyworm, Spodoptera exigua (Hubner), with emphasis on stability, pathogenicity and histopathology.	Chloropidae) and its survival value. 17761 Notes on raising Lepidoptera in Meurthe and Moselle. 17763 On the distribution of Ixodes angustus Neum.(Ixodidae). 17768 A preliminary report of the mosquitoes in the Gilgit Agency area. 17772 Bionomics of the mosquito Anopheles franciscanus Mccracken in California. 17783 A comparative study of salivary gland chromosome asynapsis in tumorigenic and closely related non-tumorigenic strains of Drosophila melanogaster. 17804 Ecological characteristics of the diapause of the Phytonome of the Luzerne Hypera variabilis. (Col. Curculionidae). 17817 Field and laboratory studies on the ecology and morphology of Nabis americoferus Carayon and	swarm. Mechanical and electrical activity in the indirect flight muscles of the honey bee. 17820 Costelytra zealandica (White) sex attraction. 17845 The flight range of Simulium damnosum. 17854 Aphid vectors of barley yellow dwarf virus in blacklight traps in eastern United States. 18089 INSECT GENETICS Studies on selection in natural and experimental populations of Drosophila pseudoobscura. 17781 A comparative study of salivary gland chromosome asynapsis in tumorigenic and closely related non-tumorigenic strains of Drosophila melanogaster. 17804 Tests of genetic systems for the study of the effects of dNA in Drosophila melanogaster. 17811 Electrophoretic variation of proteinase in the digestive juice of the silkworm, Bombyx mori L.
Proposed federal Formosan termite quarantine safeguards. Buyer, seller. 18378 Pesticides, their use and misuse. 18495 NSECT CULTURES A comparative study of salivary gland chromosome asynapsis in tumorigenic and closely related non-tumorigenic strains of Drosophila melanogaster. 17804 NSECT DISEASES Oncogenesis in the (tu) y2v;vg strain of Drosophila melanogaster. 17787 Preliminary evaluation of a granulosis virus for control of the codling moth. 17822 A study of the nuclear polyhedrosis virus on the beet armyworm, Spodoptera exigua (Hubner), with emphasis on stability, pathogenicity and histopathology. 17837 Results concerning humoral immunity of Pyrrhocoris apterus I. and Galleria mellonella F.	Chloropidae) and its survival value. 17761 Notes on raising Lepidoptera in Meurthe and Moselle. 17763 On the distribution of Ixodes angustus Neum.(Ixodidae). 17768 A preliminary report of the mosquitoes in the Gilgit Agency area. 17772 Bionomics of the mosquito Anopheles franciscanus Mccracken in California. 17783 A comparative study of salivary gland chromosome asynapsis in tumorigenic and closely related non-tumorigenic strains of Drosophila melanogaster. 17804 Ecological characteristics of the diapause of the Phytonome of the Luzerne Hypera variabilis. (Col. Curculionidae).	swarm. Mechanical and electrical activity in the indirect flight muscles of the honey bee. 17820 Costelytra zealandica (White) sex attraction. 17845 The flight range of Simulium damnosum. 17854 Aphid vectors of barley yellow dwarf virus in blacklight traps in eastern United States. 18089 INSECT GENETICS Studies on selection in natural and experimental populations of Drosophila pseudoobscura. 17781 A comparative study of salivary gland chromosome asynapsis in tumorigenic and closely related non-tumorigenic strains of Drosophila melanogaster. 17804 Tests of genetic systems for the study of the effects of dNA in Drosophila melanogaster. 17811 Electrophoretic variation of proteinase in the digestive juice of the silkworm, Bombyx mori L.
Proposed federal Formosan termite quarantine safeguards. Buyer, seller. 18378 Pesticides, their use and misuse. 18495 NSECT CULTURES A comparative study of salivary gland chromosome asynapsis in tumorigenic and closely related non-tumorigenic strains of Drosophila melanogaster. 17804 NSECT DISEASES Oncogenesis in the (tu) y2v;vg strain of Drosophila melanogaster. 17787 Preliminary evaluation of a granulosis virus for control of the codling moth. 17822 A study of the nuclear polyhedrosis virus on the beet armyworm, Spodoptera exigua (Hubner), with emphasis on stability, pathogenicity and histopathology. Results concerning humoral immunity of Pyrrhocoris apterus I. and Galleria mellonella F.	Chloropidae) and its survival value. 17761 Notes on raising Lepidoptera in Meurthe and Moselle. 17763 On the distribution of Ixodes angustus Neum.(Ixodidae). 17768 A preliminary report of the mosquitoes in the Gilgit Agency area. 17772 Bionomics of the mosquito Anopheles franciscanus Mccracken in California. 17783 A comparative study of salivary gland chromosome asynapsis in tumorigenic and closely related non-tumorigenic strains of Drosophila melanogaster. 17804 Ecological characteristics of the diapause of the Phytonome of the Luzerne Hypera variabilis. (Col. Curculionidae). 17817 Field and laboratory studies on the ecology and morphology of Nabis americoferus Carayon and its parasites in California. 17834 Larch sawfly survival in relation to water levels	swarm. Mechanical and electrical activity in the indirect flight muscles of the honey bee. 17820 Costelytra zealandica (White) sex attraction. 17845 The flight range of Simulium damnosum. 17854 Aphid vectors of barley yellow dwarf virus in blacklight traps in eastern United States. 18089 INSECT GENETICS Studies on selection in natural and experimental populations of Drosophila pseudoobscura. 17781 A comparative study of salivary gland chromosome asynapsis in tumorigenic and closely related non-tumorigenic strains of Drosophila melanogaster. 17804 Tests of genetic systems for the study of the effects of dNA in Drosophila melanogaster. 17811 Electrophoretic variation of proteinase in the digestive juice of the silkworm, Bombyx mori L. 17815 The phylogenetic development of food selection
Proposed federal Formosan termite quarantine safeguards. Buyer, seller. 18378 Pesticides, their use and misuse. 18495 NSECT CULTURES A comparative study of salivary gland chromosome asynapsis in tumorigenic and closely related non-tumorigenic strains of Drosophila melanogaster. 17804 NSECT DISEASES Oncogenesis in the (tu) y2v;vg strain of Drosophila melanogaster. 17787 Preliminary evaluation of a granulosis virus for control of the codling moth. 17822 A study of the nuclear polyhedrosis virus on the beet armyworm, Spodoptera exigua (Hubner), with emphasis on stability, pathogenicity and histopathology. 17837 Results concerning humoral immunity of Pyrrhocoris apterus I. and Galleria mellonella F. 17842 Ethylene oxide for the control of American foul-	Chloropidae) and its survival value. 17761 Notes on raising Lepidoptera in Meurthe and Moselle. 17763 On the distribution of Ixodes angustus Neum.(Ixodidae). 17768 A preliminary report of the mosquitoes in the Gilgit Agency area. 17772 Bionomics of the mosquito Anopheles franciscanus Mccracken in California. 17783 A comparative study of salivary gland chromosome asynapsis in tumorigenic and closely related non-tumorigenic strains of Drosophila melanogaster. 17804 Ecological characteristics of the diapause of the Phytonome of the Luzerne Hypera variabilis. (Col. Curculionidae). 17817 Field and laboratory studies on the ecology and morphology of Nabis americoferus Carayon and its parasites in California. 17834 Larch sawfly survival in relation to water levels and microtopography in tamarak bogs.	swarm. Mechanical and electrical activity in the indirect flight muscles of the honey bee. 17820 Costelytra zealandica (White) sex attraction. 17845 The flight range of Simulium damnosum. 17854 Aphid vectors of barley yellow dwarf virus in blacklight traps in eastern United States. 18089 INSECT GENETICS Studies on selection in natural and experimental populations of Drosophila pseudoobscura. 17781 A comparative study of salivary gland chromosome asynapsis in tumorigenic and closely related non-tumorigenic strains of Drosophila melanogaster. 17804 Tests of genetic systems for the study of the effects of dNA in Drosophila melanogaster. 17811 Electrophoretic variation of proteinase in the digestive juice of the silkworm, Bombyx mori L.
Proposed federal Formosan termite quarantine safeguards. Buyer, seller. 18378 Pesticides, their use and misuse. 18495 NSECT CULTURES A comparative study of salivary gland chromosome asynapsis in tumorigenic and closely related non-tumorigenic strains of Drosophila melanogaster. 17804 NSECT DISEASES Oncogenesis in the (tu) y2v;vg strain of Drosophila melanogaster. 17787 Preliminary evaluation of a granulosis virus for control of the codling moth. 17822 A study of the nuclear polyhedrosis virus on the beet armyworm, Spodoptera exigua (Hubner), with emphasis on stability, pathogenicity and histopathology. 17837 Results concerning humoral immunity of Pyrrhocoris apterus I. and Galleria mellonella F. 17842 Ethylene oxide for the control of American foulbrood in honey bees.	Chloropidae) and its survival value. 17761 Notes on raising Lepidoptera in Meurthe and Moselle. 17763 On the distribution of Ixodes angustus Neum.(Ixodidae). 17768 A preliminary report of the mosquitoes in the Gilgit Agency area. 17772 Bionomics of the mosquito Anopheles franciscanus Mccracken in California. 17783 A comparative study of salivary gland chromosome asynapsis in tumorigenic and closely related non-tumorigenic strains of Drosophila melanogaster. 17804 Ecological characteristics of the diapause of the Phytonome of the Luzerne Hypera variabilis. (Col. Curculionidae). 17817 Field and laboratory studies on the ecology and morphology of Nabis americoferus Carayon and its parasites in California. 17834 Larch sawfly survival in relation to water levels and microtopography in tamarak bogs.	swarm. Mechanical and electrical activity in the indirect flight muscles of the honey bee. 17820 Costelytra zealandica (White) sex attraction. 17845 The flight range of Simulium damnosum. 17854 Aphid vectors of barley yellow dwarf virus in blacklight traps in eastern United States. 18089 INSECT GENETICS Studies on selection in natural and experimental populations of Drosophila pseudoobscura. 17781 A comparative study of salivary gland chromosome asynapsis in tumorigenic and closely related non-tumorigenic strains of Drosophila melanogaster. 17804 Tests of genetic systems for the study of the effects of dNA in Drosophila melanogaster. 17811 Electrophoretic variation of proteinase in the digestive juice of the silkworm, Bombyx mori L. 17815 The phylogenetic development of food selection in certain orthopteroids. 17825 Sub-units of acid phosphatase-1 in Drosophila
Proposed federal Formosan termite quarantine safeguards. Buyer, seller. 18378 Pesticides, their use and misuse. 18495 NSECT CULTURES A comparative study of salivary gland chromosome asynapsis in tumorigenic and closely related non-tumorigenic strains of Drosophila melanogaster. 17804 NSECT DISEASES Oncogenesis in the (tu) y2v;vg strain of Drosophila melanogaster. 17787 Preliminary evaluation of a granulosis virus for control of the codling moth. 17822 A study of the nuclear polyhedrosis virus on the beet armyworm, Spodoptera exigua (Hubner), with emphasis on stability, pathogenicity and histopathology. 17837 Results concerning humoral immunity of Pyrrhocoris apterus I. and Galleria mellonella F. 17842 Ethylene oxide for the control of American foulbrood in honey bees.	Chloropidae) and its survival value. 17761 Notes on raising Lepidoptera in Meurthe and Moselle. 17763 On the distribution of Ixodes angustus Neum.(Ixodidae). 17768 A preliminary report of the mosquitoes in the Gilgit Agency area. 17772 Bionomics of the mosquito Anopheles franciscanus Mccracken in California. 17783 A comparative study of salivary gland chromosome asynapsis in tumorigenic and closely related non-tumorigenic strains of Drosophila melanogaster. 17804 Ecological characteristics of the diapause of the Phytonome of the Luzerne Hypera variabilis. (Col. Curculionidae). 17817 Field and laboratory studies on the ecology and morphology of Nabis americoferus Carayon and its parasites in California. 17834 Larch sawfly survival in relation to water levels and microtopography in tamarak bogs.	swarm. Mechanical and electrical activity in the indirect flight muscles of the honey bee. 17820 Costelytra zealandica (White) sex attraction. 17845 The flight range of Simulium damnosum. 17854 Aphid vectors of barley yellow dwarf virus in blacklight traps in eastern United States. 18089 INSECT GENETICS Studies on selection in natural and experimental populations of Drosophila pseudoobscura. 17781 A comparative study of salivary gland chromosome asynapsis in tumorigenic and closely related non-tumorigenic strains of Drosophila melanogaster. 17804 Tests of genetic systems for the study of the effects of dNA in Drosophila melanogaster. 17811 Electrophoretic variation of proteinase in the digestive juice of the silkworm, Bombyx mori L. 17815 The phylogenetic development of food selection in certain orthopteroids. 17825 Sub-units of acid phosphatase-1 in Drosophila melanogaster: Reversible dissociation in vitro.
Proposed federal Formosan termite quarantine safeguards. Buyer, seller. 18378 Pesticides, their use and misuse. 18495 NSECT CULTURES A comparative study of salivary gland chromosome asynapsis in tumorigenic and closely related non-tumorigenic strains of Drosophila melanogaster. 17804 NSECT DISEASES Oncogenesis in the (tu) y2v;vg strain of Drosophila melanogaster. 17787 Preliminary evaluation of a granulosis virus for control of the codling moth. 17822 A study of the nuclear polyhedrosis virus on the beet armyworm, Spodoptera exigua (Hubner), with emphasis on stability, pathogenicity and histopathology. 17837 Results concerning humoral immunity of Pyrrhocoris apterus I. and Galleria mellonella F. 17842 Ethylene oxide for the control of American foulbrood in honey bees. 17881 Influence of a virus disease on the hemocytic anticryptogramic reactions in insects.	Chloropidae) and its survival value. 17761 Notes on raising Lepidoptera in Meurthe and Moselle. 17763 On the distribution of Ixodes angustus Neum.(Ixodidae). 17768 A preliminary report of the mosquitoes in the Gilgit Agency area. 17772 Bionomics of the mosquito Anopheles franciscanus Mccracken in California. 17783 A comparative study of salivary gland chromosome asynapsis in tumorigenic and closely related non-tumorigenic strains of Drosophila melanogaster. 17804 Ecological characteristics of the diapause of the Phytonome of the Luzerne Hypera variabilis. (Col. Curculionidae). 17817 Field and laboratory studies on the ecology and morphology of Nabis americoferus Carayon and its parasites in California. 17834 Larch sawfly survival in relation to water levels and microtopography in tamarak bogs. 17839 Some comparative data on ecology and behaviour of Staphylinid beetles (Coleoptera, Staphylinidae).	swarm. Mechanical and electrical activity in the indirect flight muscles of the honey bee. 17820 Costelytra zealandica (White) sex attraction. 17845 The flight range of Simulium damnosum. 17854 Aphid vectors of barley yellow dwarf virus in blacklight traps in eastern United States. 18089 INSECT GENETICS Studies on selection in natural and experimental populations of Drosophila pseudoobscura. 17781 A comparative study of salivary gland chromosome asynapsis in tumorigenic and closely related non-tumorigenic strains of Drosophila melanogaster. 17804 Tests of genetic systems for the study of the effects of dNA in Drosophila melanogaster. 17811 Electrophoretic variation of proteinase in the digestive juice of the silkworm, Bombyx mori L. 17815 The phylogenetic development of food selection in certain orthopteroids. 17825 Sub-units of acid phosphatase-1 in Drosophila melanogaster: Reversible dissociation in vitro.
Proposed federal Formosan termite quarantine safeguards. Buyer, seller. 18378 Pesticides, their use and misuse. 18495 NSECT CULTURES A comparative study of salivary gland chromosome asynapsis in tumorigenic and closely related non-tumorigenic strains of Drosophila melanogaster. 17804 NSECT DISEASES Oncogenesis in the (tu) y2v;vg strain of Drosophila melanogaster. 17787 Preliminary evaluation of a granulosis virus for control of the codling moth. 17822 A study of the nuclear polyhedrosis virus on the beet armyworm, Spodoptera exigua (Hubner), with emphasis on stability, pathogenicity and histopathology. 17837 Results concerning humoral immunity of Pyrrhocoris apterus I. and Galleria mellonella F. 17842 Ethylene oxide for the control of American foulbrood in honey bees. 17881 Influence of a virus disease on the hemocytic anticryptogramic reactions in insects.	Chloropidae) and its survival value. 17761 Notes on raising Lepidoptera in Meurthe and Moselle. 17763 On the distribution of Ixodes angustus Neum.(Ixodidae). 17768 A preliminary report of the mosquitoes in the Gilgit Agency area. 17772 Bionomics of the mosquito Anopheles franciscanus Mccracken in California. 17783 A comparative study of salivary gland chromosome asynapsis in tumorigenic and closely related non-tumorigenic strains of Drosophila melanogaster. 17804 Ecological characteristics of the diapause of the Phytonome of the Luzerne Hypera variabilis. (Col. Curculionidae). 17817 Field and laboratory studies on the ecology and morphology of Nabis americoferus Carayon and its parasites in California. 17834 Larch sawfly survival in relation to water levels and microtopography in tamarak bogs. 17839 Some comparative data on ecology and behaviour of Staphylinidae).	swarm. Mechanical and electrical activity in the indirect flight muscles of the honey bee. 17820 Costelytra zealandica (White) sex attraction. 17845 The flight range of Simulium damnosum. 17854 Aphid vectors of barley yellow dwarf virus in blacklight traps in eastern United States. 18089 INSECT GENETICS Studies on selection in natural and experimental populations of Drosophila pseudoobscura. 17781 A comparative study of salivary gland chromosome asynapsis in tumorigenic and closely related non-tumorigenic strains of Drosophila melanogaster. 17804 Tests of genetic systems for the study of the effects of dNA in Drosophila melanogaster. 17811 Electrophoretic variation of proteinase in the digestive juice of the silkworm, Bombyx mori L. 17815 The phylogenetic development of food selection in certain orthopteroids. 17825 Sub-units of acid phosphatase-1 in Drosophila melanogaster: Reversible dissociation in vitro. 17862 Physiological genetics of melanotic tumors in Drosophila melanogaster . V. Amino acid
Proposed federal Formosan termite quarantine safeguards. Buyer, seller. 18378 Pesticides, their use and misuse. 18495 NSECT CULTURES A comparative study of salivary gland chromosome asynapsis in tumorigenic and closely related non-tumorigenic strains of Drosophila melanogaster. 17804 NSECT DISEASES Oncogenesis in the (tu) y2v;vg strain of Drosophila melanogaster. 17787 Preliminary evaluation of a granulosis virus for control of the codling moth. 17822 A study of the nuclear polyhedrosis virus on the beet armyworm, Spodoptera exigua (Hubner), with emphasis on stability, pathogenicity and histopathology. 17837 Results concerning humoral immunity of Pyrrhocoris apterus I. and Galleria mellonella F. 17842 Ethylene oxide for the control of American foulbrood in honey bees. 17881 Influence of a virus disease on the hemocytic anticryptogramic reactions in insects.	Chloropidae) and its survival value. 17761 Notes on raising Lepidoptera in Meurthe and Moselle. 17763 On the distribution of Ixodes angustus Neum.(Ixodidae). 17768 A preliminary report of the mosquitoes in the Gilgit Agency area. 17772 Bionomics of the mosquito Anopheles franciscanus Mccracken in California. 17783 A comparative study of salivary gland chromosome asynapsis in tumorigenic and closely related non-tumorigenic strains of Drosophila melanogaster. 17804 Ecological characteristics of the diapause of the Phytonome of the Luzerne Hypera variabilis. (Col. Curculionidae). 17817 Field and laboratory studies on the ecology and morphology of Nabis americoferus Carayon and its parasites in California. 17834 Larch sawfly survival in relation to water levels and microtopography in tamarak bogs. 17839 Some comparative data on ecology and behaviour of Staphylinid beetles (Coleoptera, Staphylinidae).	swarm. Mechanical and electrical activity in the indirect flight muscles of the honey bee. 17820 Costelytra zealandica (White) sex attraction. 17845 The flight range of Simulium damnosum. 17854 Aphid vectors of barley yellow dwarf virus in blacklight traps in eastern United States. 18089 INSECT GENETICS Studies on selection in natural and experimental populations of Drosophila pseudoobscura. 17781 A comparative study of salivary gland chromosome asynapsis in tumorigenic and closely related non-tumorigenic strains of Drosophila melanogaster. 17804 Tests of genetic systems for the study of the effects of dNA in Drosophila melanogaster. 17811 Electrophoretic variation of proteinase in the digestive juice of the silkworm, Bombyx mori L. 17815 The phylogenetic development of food selection in certain orthopteroids. 17825 Sub-units of acid phosphatase-1 in Drosophila melanogaster: Reversible dissociation in vitro. 17862 Physiological genetics of melanotic tumors in

INSECT HISTOLOGY

Salivary chromosome-like structure of a Coccid chromosome.	Further studies on the effect of bovine diet on face fly development.	INSECT NUTRITION Some observations on compulsory feeding of sandflies (Diptera, Phlebotominae) with the cul-
Gamma-ray-induced mutations in Drosophila	The genera of African Lycaenidae (Lepidoptera:	ture of leptomonads.
melanogaster oocytes: The phenomenon of dose rate.	Rhopalocera).	INSECT OUTBREAKS
17904	A prodrome of the genus Orthopodomyia (Dip-	The Columbian timber beetle, Corthylus colum-
Mitotic chromosomes of Glossina pallidipes	tera, Culicidae).	bianus (Coleoptera: Scolytidae). VIII. Artifacts and characteristics of the host tree.
Austen. 17905	17775	and characteristics of the nost tree.
Tetraploid females in the hymenopteron, Mor-	The leaf cutting ant, Atta capiguara, curse of the	INSECT PESTS
moniella.	pastures. 17780	New Zealand Noctuidae (Lepidoptera): Summa-
17906	Analysis of the development of oviducts and the	ry of known host plants and a bibliography rele- vant to the biology of the group.
Developmental characteristics of five lethal mu- tants of Drosophila melanogaster.	developmental relations between oviducts and	17749
17908	ovaries in Drosophila virilis. Part one: Develop-	Temperature relationships of the development of
Meiotic drive and visible polarity in Drosophila	ment of oviducts under normal and experimental conditions. Part two: Analysis of alterations oc-	northern corn rootworm eggs.
spermatocytes.	curring in oviducts during imaginal life.	Preliminary evaluation of a granulosis virus for
INSECT HISTOLOGY	17782	control of the codling moth.
On the innervation of the prothoracic glands in	Effects of juvenile hormone on protein synthesis during the metamorphosis of the polyphemus	17822
Papilio demoleus L. (Lepidoptera).	silkmoth.	A sex pheromone from the citrus mealybug. 17828
Life history of the looper Phigalia titea in Vir-	17788	Field tests of chemicals for control of the Eu-
ginia.	The infection of Boophilus microplus with Babe-	ropean corn borer.
INSECT IDENTIFICATION	sia bigemina.	17831
A revision of the oriental species of Palexorista	On the biology of several Trechinae and	A study of the nuclear polyhedrosis virus on the beet armyworm, Spodoptera exigua (Hubner),
Townsend (Diptera: Tachinidae, Sturmiini).	Sphodrinae. (Insecta, Coleoptera).	with emphasis on stability, pathogenicity and
New Zeeland Negtuides (Lenidenters): Summs	17808	histopathology.
New Zealand Noctuidae (Lepidoptera): Summa- ry of known host plants and a bibliography rele-	Studies on the morphology and biology of Lecanium fletcheri Ckll. (Homoptera, Coc-	17837
vant to the biology of the group.	coidea) and related species.	Comparison of application rates of some soil in- secticides for control of western corn rootworm
17749	17813	larvae in Missouri.
On morphology of larvae of the III instar in synanthropic species of flies from the genus	Notes on deathwatch beetles (Coleoptera).	17866
Hydrotaea R.D. (Diptera, Muscidae).	17821	Winter oviposition by the alfalfa weevil in Virginia.
17758	Field and laboratory studies on the ecology and morphology of Nabis americoferus Carayon and	17900
On larvae of Hispinae (Coleoptera, Chrysome- lidae) of the fauna of the USSR.	its parasites in California.	Systematic insecticide seed treatment tests on
17759	17834	soybeans, bowling, c c.
A description of the pupa of the pales weevil,	On the Sphodromantis of the species viridis from northwest Africa.	Aluminum foil and white polyethylene mulches
Hylobius pales, and a method for identifying its sex.	17849	to repel aphids and control watermelon mosaic.
17773	The influence of temperature and humidity on	18083
Siphona kangwagyei n. sp., a blood sucking fly	the development of Tenebrio molitor L.	Survival of the balsam woolly aphid on Abies logs.
from Uganda (Diptera: Muscidae).	17850	18084
Studies on the morphology and biology of	Functional degeneration of the venomous gland of Apis during the summer and winter.	Black vine weevil larval damage to concord
Lecanium fletcheri Ckll. (Homoptera, Coc-	17851	grape roots at different population densities. 18088
coidea) and related species.	Egg and larval development of Cardiochiles	Studies on a biological and a chemical method of
Parthenogenesis in gum emperor moth	nigriceps.	controlling the dark rice field mosquito in Loui-
Antheraea eucalypti (Scott).	About lepidopterous immatures.	siana.
17840	17857	Effects of early-, mid-, and late-season infesta-
On the Sphodromantis of the species viridis from northwest Africa.	The development of Theileria parva in the saliva-	tions of two-spotted spider mites on the yield of
17849	ry glands of the tick, Rhipicephalus appendicu-	cotton.
INSECT METABOLISM	latus. 17873	A bioassay technique for screening feeding
Physiological genetics of melanotic tumors in Drosophila melanogaster . V. Amino acid	Role of photoperiod, temperature, and injury in	stimulants for larvae of tobacco budworm.
metabolism and tumor formation in the tu bw; st	induction and termination of the pupal diapause	18096
su-tu strain.	of Heliothis zea (Boddie).	Lack of cytoplasmic inheritance of alfalfa re-
INSECT MIGRATION	Sensillae on the antennae of blood-sucking biting	sistance to the spotted alfalfa aphid. 18099
The flight range of Simulium damnosum.	midges (Diptera, Ceratopogonidae).	Oviposition preferences of western corn root-
17854	17880	worms for various soil surface conditions.
A possible marker for european corn borer moths.	Improvement of a method for culturing the eggs of the Phasmid Carausius morosus Br. deprived	Studies of the insect complex affecting seed
17882	of the chorion.	production of ponderosa pine in California.
Techniques of marking insects with micronized fluorescent dust with especial emphasis on mark-	17894	18101
ing millions of Lygus hesperus for dispersal stu-	Biology of the elm leaf beetle in southern Arizona.	Resistance in bermudagrass to the fall ar-
dies.	Arizona. 17898	myworm. 18104
17886 INSECT MORPHOLOGY	Comparative life histories of chlordane-resistant	Insect pests of Nigerian crops.
Parasitic and free-living cycles in entomogenous	and nonresistant German cockroaches.	18105
nematodes of the genus Deladenus.	17901	Improved technique to control shot hole borers
A revision of the oriental species of Palexorista	Developmental characteristics of five lethal mu- tants of Drosophila melanogaster.	and bark beetles. 18106
Townsend (Diptera: Tachinidae, Sturmiini).	17908	Reinfestation of forest sites by the Texas leaf-
17744	Resistance of cattle to the tick Boophilus	cutting ant.

Resistance of cattle to the tick Boophilus microplus (Canestrini). II. Stages of the life cycle of the parasite against which resistance is manifest.

On morphology of larvae of the III instar in synanthropic species of flies from the genus Hydrotaea R.D. (Diptera, Muscidae).

18351

Studies on hydrogen phosphide against the red flour beetle in a column of paddy.

18107

On a tenth new Sphaeroceraspis of the central African forest (Hom. Coccoidea Diaspidini).

17740

Notes on the chorology and ecology of Araneidae from the Alban Hills (Araneae).

		INSECT TAXONOMY
A medium for laboratory rearing of the peace		Latest research plans on the problem of
tree and lesser peach tree borers.	biology of the cabbage looper. 4 17847	cockroach resistance.
Attack of the black turpentine beetle on roots of		The formation of the cuticular ridges in the larva
slash pines.	of Apis during the summer and winter.	pharynx of the blowfly (Calliphora vicina RD.)
Peculiarities of development and harmful activ		1780' Preliminary evaluation of a granulosis virus fo
ty of the Hessian fly (Mayetiola destructor Say		control of the codling moth.
under conditions of irrigation.	mori L. proteases.	1782
1811 Egg distribution as a factor in suppressing the		Difference in response of two strains of screv
green peach aphid by pruning.	tary tract of the leafhopper Euscelidius	worm flies to the male pheromone. 1782.
1812	17945	Parthenogenesis in gum emperor mot
Resistance of southern peas to the cowpea cu culio.	Retraction of the claim that host pregnancy af-	Antheraea eucalypti (Scott).
1812		Madium and techniques for mass rearing the re-
Control of the elm leaf beetle in Arizona.	17867	Medium and techniques for mass rearing the rec banded leaf roller.
1812	A	1784
The Columbian timber beetle, Corthylus columbianus (Coleoptera: Scolytidae). VIII. Artifac	Aphididae).	Costelytra zealandica (White) sex attraction. 1784
and characteristics of the host tree.	17869	Effects of mold inhibitors in larval diet on th
1812	9 Cellular immune responses of insects to foreign tissue implants.	biology of the cabbage looper.
Horn fly control with coumaphos. 1834	17071	1784
SECT PHYSIOLOGY	Aspartate aminotransferase in the pea aphid,	Pre-imaginal conditioning in Drosophila. 1785
Activation of malathion by the locust bodywall.	Acyrthosiphon pisum (Harris).	Endogenous diurnal rhythm of pupation in
1777	Date of the same at the same at the same	mosquito population.
Bionomics of the mosquito Anopheles franciscanus Mccracken in California.	induction and termination of the pupal diapause	1786
1778	of Heliothis zea (Boddie).	The development of Theileria parva in the saliva
Photoinhibitory function of the dorsal ocelli	n Tomasina matabalism and its harmonal control	ry glands of the tick, Rhipicephalus appendiculatus.
the phototactic reaction of the migratory locu Locusta migratoria L.	after eclosion in the adult fleshfly Sarcophaga	1787
1778	6 bullata Parker (Diptera: Sarcophagidae).	Rearing stored product insects for laborator
Mechanism of locust jumping. 1779	Sancillas on the entenness of blood quaking hiting	studies: Six species of moths. 1788
A comparative study of salivary glan	midges (Diptera, Ceratopogonidae).	Laboratory rearing of Culex (Melanoconion
chromosome asynapsis in tumorigenic and close		portesi Senevet and Abonnenc. 1788
ly related non-tumorigenic strains of Drosophi	On the innervation of the prothoracic glands in Papilio demoleus L. (Lepidoptera).	Comparative life histories of chlordane-resistan
melanogaster. 1780	17994	and nonresistant German cockroaches.
Polygenic control of aldehyde oxidase an	d Laboratory rearing of Culex (Melanoconion)	1790
xanthine dehydrogenase in Drosophila.	portesi Senevet and Abonnenc. 17888	A medium for laboratory rearing of the peach tree and lesser peach tree borers.
On the biology of several Trechinae an	d On periodicity of gas exchange in ontogenesis of	1811
Sphodrinae. (Insecta, Coleoptera).	the Colorado beetle (Leptinotarsa decemiineata	Introducing and establishing the noninclusion
1780	17892	virus of the citrus red mite in citrus groves. 1811
The formation of the cuticular ridges in the larve pharynx of the blowfly (Calliphora vicina RD.	Influence of a virus disease on the hemocytic an-	Role of host plant in production of winged form
1780	9 ticryptogramic reactions in insects.	by a green strain of pea aphid Acyrthosipho
Correction coefficients for prognosing the development of insects by sums of effective ten	e Improvement of a mathed for culturing the page	pisum. 1812
peratures (Agrotis segetum Schiff taking of ex	of the Phasmid Carausius morosus Br. deprived	INSECT REPELLENTS
ample).	of the chorion.	Influence of repellency on the efficacy of blatti
Some effects of gamma radiation on the tobacc	On the tetrangeralic nigments accepted con	cides. IV. Comparison of four cockroach species 1781
budworm Heliothis virescens (Fabricius).	stituents of homochrome:coloration in Oedipoda	Aluminum foil and white polyethylene mulche
1781	17895	to repel aphids and control watermelon mosaic.
Mechanical and electrical activity in the indirect flight muscles of the honey bee.	Physiological genetics of melanotic tumors in	INSECT RESPIRATION
1782	Drosophila melanogaster . V. Amino acid metabolism and tumor formation in the tu bw; st	On periodicity of gas exchange in ontogenesis of
Biting in Orthoptera and their allies.	su-tu strain.	the Colorado beetle (Leptinotarsa decemlineat
Studies on insect (Periplaneta americana L.	17702	Say.).
phosphofructokinase.	 Morphological and physiological aspects of sporogony and oocyst viability in the protozoan 	Improvement of a method for culturing the egg
1782	parasites Eimeria tenella and Eimeria stiedae	of the Phasmid Carausius morosus Br. deprive
A sex pheromone from the citrus mealybug. 1782	(Coccidia).	of the chorion.
The molting behavior of the black widow spide		INSECT TAXONOMY
Latrodectus mactans.	Notes on raising Lepidoptera in Meurthe and	A new species of Harpactea from the Pontin
1783	19943	Islands (Araneae, Dysderidae). 1773
Influence of the spectral composition of certai bands of visible and near visible radiation o	•	New Indian Thysanoptera.
diapause in the boll weevil.	Blattaria.	1773
Field and laboratory studies on the ecology an		New data concerning the ant genus Camponotu (Hymenoptera, Formicidae) from the uSSR fau
morphology of Nabis americoferus Carayon an	d face fly development.	na.
its parasites in California.	17766	1773

Bionomics of the mosquito Anopheles franciscanus Mccracken in California.

Laboratory propagation of Muscidifurax raptor on face fly pupae.

17783

17794

Data on the endocrine system of several Diplopoda, Oniscomorphes (Myriapoda).

Electrical activity in insect nerve cell bodies.

INSECT TRAPS

Neotropical Mirids, XCVIII: three new species of
the tribes Bryocorini and Orthotylini (Hemop
tera).
1774
A revision of the oriental species of Palexorists
Townsend (Diptera: Tachinidae, Sturmiini).
1774

Erigonids from the Pontine Islands (Araneae Erigonidae).

Larvae of click beetles of the genus Idolus Desbr. and position of this genus in the system Elateridae (Coleptera).

Notes on Megalyridae (Hym. lehneumonoidea) and description of new species from Madagascar

A new genus and two new species of mirid bugs (Heteroptera, Miridae) from the eastern regions of the USSR. 17755

New species of Culex (Melanoeonion).

A new genus and species of the phytophagous mite (Bryobiidae, Aeariformes).

17756

On morphology of larvae of the Ill instar in synanthropie species of flies from the genus Hydrotaea R.D. (Diptera, Muscidae).

On larvae of Hispinae (Coleoptera, Chrysomelidae) of the fauna of the USSR.

A new species of the gamasid mite Ichoronyssus mirabilis Senotrusova et Tagiltsev sp. (Acariformes, Gamasoidea) from whiskered mil-

lers of the Zaisan hollow. 17769

The genera of African Lycaenidae (Lepidoptera: Rhopalocera).

A preliminary report of the mosquitoes in the Gilgit Ageney area.

A description of the pupa of the pales weevil, Hylobius pales, and a method for identifying its

Contribution to the study of the genera Stizocera

Serv., 1834. Brazilian species (Coleoptera, Cerambycidae). A prodrome of the genus Orthopodomyia (Dip-

tera, Culicidae).

Siphona kangwagyei n. sp., a blood sucking fly from Uganda (Diptera: Muscidae).

Notes on deathwatch beetles (Coleoptera).

On the Sphodromantis of the species viridis from northwest Africa. 17849

INSECT TRAPS

Catch of insects at different heights in traps equipped with blacklight lamps. 17736

Field studies of sex attraction in the boll weevil.

Alate aphid species captured in yellow pans.

17806 A simplified field cage for trapping pink bull-

worm adults. 17819

Interception of apple maggot adults on colored traps in an orchard.

Influence of population level and trap spacing on capture of tobacco hor-worm moths in blacklight traps with virgin females.

17821

17790

Studies of the epidemiology of arthropod-borne virus infections at Mitchell River mission, Cape

York Peninsula, north Queensland. I. Mosquito collections, 1963-1966.

Aluminum foil and white polyethylene mulches to repel aphids and control watermelon mosaic

18083

INSECT VECTORS

Studies on the biological properties of Toxoplusma gondii in the body of insects, using Pediculus humanus L. as test animals.

Studies of the epidemiology of arthropod-borne virus infections at Mitchell River Mission, Cape York Peninsula, north Queensland. II. Arbovirus infections of mosquitoes, man, and domestic fowls, 1963-1966.

17910

Biology of vector-associated diseases in Viet-

Studies of the epidemiology of arthropod-borne virus infections at Mitchell River mission, Cape York Peninsula, north Queensland. I. Mosquito collections, 1963-1966.

17914

Gamasid mites (Gamasoidea) as vectors of the disease causative agents.

Transmission of a leafhopper-borne virus from naturally infected Poa annua in Czechoslovakia 18039

Studies on the pathogen and vector of dutch elm disease. A. Morphogenesis in Ceratocystis ulmi. B. Chemicals stimulating feeding by Scolytus multistriatus. II. An improved method for the isolation of a toxic metabolite from Rhizoctonia leguminicola.

18051

Cross protection between a plant virus and potato psyllid yellows. 18067

Aluminum foil and white polyethylene mulches to repel aphids and control watermelon mosaic. 18083

Natural aequisition eompared with mechanical inoculation of six-spotted leafhoppers for transmission of the oat blue dwarf virus. (Abstract). 18085

Aphid vectors of barley yellow dwarf virus in blacklight traps in eastern United States.

18089

The use of menazon seed dressing to decrease spread of virus yellows in sugar-beet root crops. 18098

Isolation and electron microscopy of potato leafroll virus from plants. 18102

A new mosaic disease of brinjal (Solanum melongena L.).

Bluetongue of sheep and eattle: past, present,

18217 Animal sentinels in a statewide arthropod-borne eneephalitis surveillance program.

18298 Epizootiologic observations of eanine filariasis in Georgia.

INSECTICIDAL AEROSOLS

Pyrethrins-piperonyl butoxide applied as a fog in an empty grain bin.

INSECTICIDE APPLICATION

Comparison of application rates of some soil insecticides for control of western corn rootworm larvae in Missouri.

18330

Pyrethrins-piperonyl butoxide applied as a fog in an empty grain bin.

17897

Systematic insecticide seed treatment tests on soybeans, bowling, e e.

18082

Control of the birch leaf minor with disulfoton. 18086

Residues of diazinon in earrots after treatment against cyclodiene-resistant carrot rust fly.

18093

Chemical control of the sunflower moth on sun-18123

Horn fly control with coumaphos.

18349 Northern fowl mite control on mature turkeys on

18350

Residues of diazinon, coumaphos, ciodrin, methoxychlor, and rotenone in cow's milk from treatments similar to those used for ectoparasite and fly control on dairy eattle, with notes on safety of diazinon and ciodrin to calves. 18403

Speedometer adapted for fog calculations. 18494

INSECTICIDE RESIDUES

Pyrethrins-piperonyl butoxide applied as a fog in an empty grain bin. 17897

Effects on populations of corn rootworms of aldrin residues in soil four years after application.

18087 Residues of diazinon in carrots after treatment

against cyclodiene-resistant carrot rust fly 18093

Loss of phorate from a granular formulation applied in the soil. 18110

Notice of filing of petition regarding pesticide chemicals.

Niagara NIA-10242 insecticide residues: Their persistence in coastal bermudagrass, corn, and

silages, and their effect, fed in silage, on lactating 18400

Insecticide residues in pest control.

18401

Residues of diazinon, coumaphos, methoxyehlor, and rotenone in cow's milk from treatments similar to those used for ectoparasite and fly control on dairy cattle, with notes on safety of diazinon and ciodrin to calves. 18403

INSECTICIDE RESISTANT INSECTS

Latest research plans on the problem of cockroach resistance. 17805

INSECTICIDES

Subterranean termite studies in southern On-17747

Organothiocyanates as insecticides and carbamate synergists.

Selective recovery of volatile products from house flies treated with radioactive insecticide

chemicals and synergists.

Influence of repellency on the efficacy of blatticides. IV. Comparison of four cockroach species 17814

Field tests of chemicals for control of the European corn borer. 17831

Pesticides and pollution. SB959.0U4.

17863

Comparison of application rates of some soil insecticides for control of western corn rootworm larvae in Missouri.

17866 Ethylene oxide for the control of American foul-

brood in honey bees. 17881

Comparative life histories of chlordane-resistant and nonresistant German cockroaches.

Evaluation of systemic fungicides and insecticides for the control of cotton boll rot in vitro. (Abstract).	Interference between modified and virulent strains of footand-mouth disease virus.	ISOTOPES Food intake and growth of burro foals after 250 rocntgens of cobalt-60 whole-body gamma ir-
17943	Influence of statolon-induced interferon on ra-	radiation.
Systematic insecticide seed treatment tests on soybeans, bowling, c c.	bies virus infection in mice. 18322	Studies on the fungitoxicity of eaptan. Vi.
18082 Control of the birch leaf minor with disulfoton. 18086	The effect of trauma on production of herpes interferon in guinea pigs.	Decomposition of 35S-labelled captan by Neurospora crassa conidia. 18469
Studies on a biological and a chemical method of	INTESTINES 18331	IXODIDES
controlling the dark rice field mosquito in Louisiana. 18090	Accumulation of glycine in the fat body of the silkworm, Bombyx mori L. 17803	Simple field and laboratory method for recovering living ticks (Ixodoidca) from hosts. 17733
Tests with insecticides for the control of resistant	Clostridium perfringens type A infection of	On the distribution of Ixodes angustus Neum.(Ix-
Myzus persicae (Sulzer) on year-round chrysanthemums.	ligated intestinal loops in lambs. 18255	odidae).
18095	INVERTEBRATES	The infection of Boophilus microplus with Babe-
The use of menazon seed dressing to decrease spread of virus yellows in sugar-beet root crops.	Macroinvertebrates. Fresh water. 18402	sia bigemina. 17795
18098	ION EXCHANGE	Tick resistance in cattle: its stability and correla-
Attempts at combatting oystershell scale, Lepidosaphes ulmi (L.),on appletrees in	A comparative study of cell wall glycopeptide structure of some bovine vibrios.	tion with various genetic characteristics. 18348
orchards of Quebec.	18247	Resistance of cattle to the tick Boophilus
The tolerance of imported commodities to fumigation with methyl bromide.	Low temperature irradiation applied to neutron activation analysis of mercury in human whole blood.	microplus (Canestrini). II. Stages of the life cycle of the parasite against which resistance is
18112	18484	manifest. 18351
Control of mustard aphid (Lipaphis erysimi Kalt.) by systemic insecticides.	IONIZING RADIATION Ionizing irradiation of foot-and-mouth disease	IXODOIDEA Simple field and laboratory method for recover-
18115	virus and its ribonucleic acid.	ing living ticks (Ixodoidea) from hosts.
Chemical control of the sunflower moth on sun- flowers.	18309 10NS	17733
18123 Control of the elm leaf beetle in Arizona.	Permeability and excitation of insect muscle.	Pneumonia of sheep in Kenya. II. Pathology of
18128	Oxalate metabolism in sheep and its effect on the	chronic progressive pneumonia. 18338
Effect of organo-Phosphorus insecticides on the warm blooded animals and cure thereof.	anion-cation balance. 18188	JAPANESE B ENCEPHALITIS VIRUS
18193	Influence of micro-organisms on the distribution	The experimental production of a formalin-killed Japanese encephalitis virus vaccine from porcine
Further evaluation of animal systemic insecticides, 1967.	in roots of phosphate labelled with phosphorus- 32.	kidney cell cultures.
18347	18424	JAPONOTHYAS
Horn fly control with coumaphos. 18349	IRIDOMYRMEX HUMILIS	Two new species of Thyasidae (Acarina) from
Degradation of diazinon by synergistic microbial	Food distribution within colonies of the Argentine ant, Iridomyrmex humilis (Mayr).	Nikko National Park Japan. 17752
action. 18384	17859 IRRADIATION	JAVESELLA PELLUCIDA
The effect of environmental and biological factors on the persistence of malathion applied in	Some effects of gamma radiation on the tobacco budworm Heliothis virescens (Fabricius).	Bionomies, enemies and population dynamics of Javesella pellucida (F.) (Hom., Delphacidae).
low volume technical and emulsifiable concen-	17818	17875 KADANG-KADANG (COCONUTS)
trate forms to cotton plants. 18386	Gamma-ray-induced mutations in Drosophila melanogaster oocytes: The phenomenon of dose	Anatomic effects of cadang-cadang disease on coconuts.
Effects on groudwater. Municipal sources. 18390	rate. 17904	17940
Insecticide residues in pest control.	Mortality staging of dominant lethals induced in	KIDNEY BEANS Studies on the effects of Hg(II) and sucrose on
Note on the determination of carbaryl residues in	the FI generation of sugarcane borer; Diatraea saceharalis (F.).	the mechanical transmission of tobacco mosaic
hen skin.	18127	virus ribonucleie acid to pinto bean (Phaseolus vulgaris L.).
18406 INSECTS	Avirulent mutant of a strain of ornithosis agent obtained by gamma irradiation.	18011
An improved incubator for insects for operation above room temperature and relative humidity.	Does the agent of scrapic replicate without	Influence of nitrogen nutrition on Fusarium root rot of pinto bean and on its suppression by barley
17734	nucleic acid. 18205	straw. 18028
Insects affecting seed production of Shortleaf pine in the Georgia picdmont.	Anaplasma marginale-infectivity in splenec-	Alterations in the auxin levels of resistant and
17748	tomized and radiated rabbits.	susceptible hosts induced by the curly top virus. 18066
Comparative toxicity (Mammalia, Insecta, Acarina) of recent S,S-dimethyl S-benzyl deriva-	Food intake and growth of burro foals after 250	A physiologic-genetic study of the differential
tives substituted for tri- and tetrathiophosphoric acids.	rocntgens of cobalt-60 whole-body gamma irradiation.	response of navy beans (Phaseolus vulgaris L.) to zinc.
17800	18271	18466
Influence of a virus disease on the hemocytic anticryptogramic reactions in insects.	Response of lymphocyte-depleted calves to fluid tetanus toxoid.	Auxin-induced elimination of a protein in bean hypocotyl.
Permeability and excitation of insect muscle.	Red light induction of gibberellin synthesis in	18470 Metabolism of amitrole (3-amino-1,2,4-triazole)
17896	leaves.	in relation to the differential susceptibility of Cir-
INTEGRATED CONTROL (INSECTS) Preliminary evaluation of a granulosis virus for	Low temperature irradiation applied to neutron	sium arvense (L.) scop. ecotypes. 18474
control of the codling moth.	activation analysis of mercury in human whole	KIDNEYS

ISOLEUCINE

18316

INTERFERON

Some factors affecting interferon production by foot-andmouth disease virus in bovine tissue cul-

Some aspects of isoleveine metabolism in the yel-

71

low fever mosquito, Aedes aegypti (L.).

18484

KIDNEYS Characterization studies on feline panleucopenia virus. (with). II. Pathogenesis in the host.

18233

18292

Mineral and endocrine interrelationships in renal ealcification.

KINASES

Changes in protein and nucleic acid metabolism in baby hamster kidney cells infected with footand-mouth disease virus

18308

Eight feline viruses: An electron microscopic stu-18324

KINASES

Studies on insect (Periplaneta americana L.) phosphofructokinase.

17827

Quantitative studies on the kinetics of establishment and expulsion of intestinal nematode populations in susceptible and immune hosts. Nippostrongylus brasiliensis in the rat.

18364

Estimation of radiation resistance values of microorganisms in food products.

18383 Anaerobic Microbiology processes. and

mechanism 18405

KINETIN

Accumulation of glycine in the fat body of the silkworm, Bombyx mori L. 17803

Cytokinin effect of benzyladenine: Increase of nucleic acid and protein synthesis in bean leaves. 18048

Interaction of growth regulators in the senescence of nasturtium leaf disks. 18426

LABELING

A red dve to evaluate bait formulations and to mass mark field populations of boll weevils.

A possible marker for european corn borer moths.

17882 Techniques of marking insects with micronized fluorescent dust with especial emphasis on marking millions of Lygus hesperus for dispersal stu-

dies 17886

LABORATORIES

Spider populations in grain sorghums.

17784

Notes on microanalytical techniques in the analvsis of foods for extraneous materials

17792

Commonwealth Institute of biological control-Indian Station.

The effect of disinfection on cereal seeds determined in laboratory experiments and emergence tests in soil.

17924 Conditions for infection of celery by Septoria

apiicola.

Anthocoris melanocerus as a predator of the green peach aphid on sugar beets and broccoli. 18121

Clinical aspects of toxic infections by anaerobic germ spores in ruminants. 18229

Newcastle disease: A legal interpretation.

18245 Agricultural (livestock) wastes.

18404

Studies on the laboratory soiling of milking equipment. 18409

Laboratory tests of fungicides against Peronospora parasitica (Pers. ex. Fr.) Fr. 18433

LABORATORY ANIMALS

Clostridium perfringens type A infection of ligated intestinal loops in lambs. 18255

California-encephalitis-group viruses in Florida rabbits: Report of experimental and sentinel stu-18265

Common disease problems in laboratory

18332

LACTATION

The effect of intramammary infection during the dry period on the milk production of the affected quarter at the start of the succeeding lactation. 18194

LAMBS

Atypical Globidiosis in a lamb.

18213 Effects of selenium and vitamin E on nutritional

muscular dystrophy in lambs. 18242

Clostridium perfringens type A infection of ligated intestinal loops in lambs.

18255 Effects of a low manganese diet on certain ovine

18274

The utilization of vitamin A and carotene by ruminants. 1. Vitamin A potency of carotenes in corn silage fed to lambs. 2. The effect of time and route of administration of vitamin A on liver vitamin A storage by steers. 3. The effect of route of administration of vitamin A on blood serum and liver vitamin A concentrations in steers at subsequent time intervals.

18281

Successful treatment of coccidiosis in lambs.

18313

Rearing lambs free of gastrointestinal nematodes.

The effect of disinfection on cereal seeds determined in laboratory experiments and emergence tests in soil.

17764

LARVAE

Larvae of click beetles of the genus Idolus Desbr. and position of this genus in the system Elateridae (Coleptera).

On morphology of larvae of the III instar in synanthropic species of flies from the genus Hydrotaea R.D. (Diptera, Muscidae).

17758 On larvae of Hispinae (Coleoptera, Chrysome-

lidae) of the fauna of the USSR.

Notes on raising Lepidoptera in Meurthe and Moselle. 17763

Hemiptera associated with pig carrion.

Further studies on the effect of bovine diet on face fly development.

Studies of caste differentiation in Myrmica rubra

L. 9. Maternal environment and the caste bias of larvae.

comparative study of salivary gland chromosome asynapsis in tumorigenic and closely related non-tumorigenic strains of Drosophila melanogaster.

The formation of the cuticular ridges in the larval pharynx of the blowfly (Calliphora vicina R.-D.) 17809

Preliminary evaluation of a granulosis virus for control of the codling moth.

17822

Effects of mold inhibitors in larval diet on the biology of the cabbage looper. 17847

Egg and larval development of Cardiochiles nigriceps. 17855

Comparison of application rates of some soil insecticides for control of western corn rootworm larvae in Missouri.

Ethylene oxide for the control of American foulbrood in honey bees.

On the innervation of the prothoracic glands in Papilio demoleus L. (Lepidoptera).

17884

Life history of the looper Phigalia titea in Vir-

Black vine weevil larval damage to concord grape roots at different population densities 18088

bioassay technique for screening feeding stimulants for larvae of tobaeco budworm.

18096 Resistance in bermudagrass to the fall ar-

myworm. 18104 A medium for laboratory rearing of the peach

Chemical control of the sunflower moth on sun-

tree and lesser peach tree borers.

rostochiensis.

flowers.

The effect of ultra-violet radiation on the invasion, survival and fertility of larvae of Heterodera

The effect of environment on sex determination in Heterodera rostochiensis.

18154

Relationship between infecting dose, muscle parasitism, and antibody response in experimental trichinosis in rabbits.

18329 Resistance of cattle to the tick Boophilus microplus (Canestrini). II. Stages of the life cycle

of the parasite against which resistance is manifest. 18351 Effect of desiccation on survival of the free-living

stages of Trichostrongylus colubriformis. 18353

Studies on the spring phenomenon in ovine helminthiasis. I. Spring rise in stabled sheep.

Parasitic development of Obeliscoides cuniculi in rabbits.

On the development of Cysticercus fasciolaris in albino rat liver and its reaction on the host tissue 18381

LATE BLIGHT (POTATOES)

The relation of rainfall, relative humidity, and temperature to late blight of potato in Sedes, Sindos-Lahanokipi of Nomos Thessaloniki. 17925

Effect of variety on the control of potato late blight with fungicides. (Abstract).

18013

LATEX

Effects of plant growth regulators and other compounds on flow of latex in Hevea brasiliensis

LATRODECTUS MACTANS

The molting behavior of the black widow spider, Latrodectus mactans.

17830

LEAF BLIGHT (CORN)

A leaf blight of corn (Zea mays) incited by Fusarium moniliforme. (Abstract).

18053

LEAF ROLL (POTATOES) A study on auxin and chlorogenic acid in leaf-roll

resistant and susceptible potato varieties.

Isolation and electron microscopy of potato leafroll virus from plants.

LEAVES Spread of the boll weevil by drainage water and air currents.

		LIPAPHIS ERYSIMI
Method for estimating intensity of the little leaf disease of brinjal (Solanum melongena).	A biochemical role for boron.	LETHAL YELLOWING (COCONUTS) Reproduction of the coconut lethal yellowing
Race buildup of Xanthomonas malvacearum on cotton in southeast Missouri.	Effect of calcium availability on alfalfa grown in calcareous high sodium soils. 18464	syndrome by mechanical inoculation of young seedlings. 18049
17928 Reducing spring discharge of Venturia inaequalis ascospores by composting overwintering leaves.	Red light induction of gibberellin synthesis in leaves.	LEUKEMIA Experimental transmission of two canine neoplasms: Lymphosarcoma and mast cell leu-
Selective staining of dead cells in bean leaves in-	Metabolism of amitrole (3-amino-1,2,4-triazole) in relation to the differential susceptibility of Cir-	kemia. 18310 LEUKOCYTES
jured by ozone. 17931 Morphology and longevity of Verticillium albo-	sium arvense (L.) scop. ecotypes. 18474 LECANIUM FLETCHERI	Hemophilia-like disease of swine: Cytogenetic studies.
atrum in cotton leaves. (Abstract).	Studies on the morphology and biology of Lecanium fletcheri Ckll. (Homoptera, Coc-	LIFE CYCLE
Effect of Xanthomonas vesicatoria on loss of electrolytes from leaves of Capsicum annuum. 17970	coidea) and related species. 17813 LEGUMES	Parasitic and free-living cycles in entomogenous nematodes of the genus Deladenus. 17731
Effect of Uromyces phaseoli on the water relations of primary bean leaves. (Abstract). 17977	A Phytophthora from subterranean clover roots that attacks soybean and other legumes. (Abstract).	LIGHT Circadian emergence rhythm of a tropical scolytid, Xyleborus ferrugineus.
Local lesion development in Turkish tobacco leaves heated after inoculation with tobacco mosaic virus. (Abstract).	Forage crops, small grains. 18167	17767 Comparative gibberellin relationships in tall and dwarf peas (Pisum sativum L.).
Ultrastructure of Zea mays leaf cells infected with Johnson grass strain of sugarcane mosaic	LEMONS The influence of an organic soil amendment on infectivity and reproduction of Tylenchulus	On light-sensitivity in germinating uredospores of wheat brown rust.
virus. (Abstract).	semipenetrans on two citrus rootstocks.	18080 Light quality effects on growth and development
Ultrastructural changes in apple leaf cells induced by virulent and avirulent strains of Erwinia amylovora. (Abstract).	LENZITES TRABEA Subterranean termite studies in southern Ontario.	ragweed. 18161
Effects of barley stripe mosaic virus infection on	LEPIDOPTERA	Hog cholera: Safety and protection studies with photodynamically inactivated hog cholera virus. 18232
the respiration of barley leaves. (Abstract). 17990 Protein and enzyme changes in wheat leaves fol-	Insects affecting seed production of Shortleaf pine in the Georgia piedmont. 17748	Light stimulated biosynthesis of gibbercllins in Fusarium moniliforme. 18462
lowing infection with Puccinia recondita. 18005 Differentiation of races of Pseudomonas	Notes on raising Lepidoptera in Meurthe and Moselle.	Red light induction of gibberellin synthesis in leaves.
solanacearum by a hypersensitive reaction of tobacco leaves. (Abstract).	Meteorological factors affecting the activity of night flying Macro-Lepidoptera.	Stomatal movements; a yearly rhythm.
Cytochrome oxidase and mitochondrial protein in extracts of leaves of Nicotiana glutinosa L. Infected with tobacco mosaic virus.	About lepidopterous immatures. 17857	Metabolism of amitrole (3-amino-1,2,4-triazole) in relation to the differential susceptibility of Cir-
18045 Cytokinin effect of benzyladenine: Increase of	On the innervation of the prothoracic glands in Papilio demoleus L. (Lepidoptera).	sium arvense (L.) scop. ecotypes. 18474 LIGHT TRAPS
nucleic acid and protein synthesis in bean leaves. 18048 A leaf blight of corn (Zea mays) incited by	LEPIDOSAPHES ULMI Attempts at combatting oystershell scale,	Catch of insects at different heights in traps equipped with blacklight lamps. 17736
Fusarium moniliforme. (Abstract).	Lepidosaphes ulmi (L.),on appletrees in orchards of Quebec. 18109	Insects affecting seed production of Shortleaf pine in the Georgia piedmont.
Occurrence of Agrophron mosaic virus in Montana. 18058	LEPTINOTARSA DECEMLINEATA On periodicity of gas exchange in ontogenesis of the Colorado beetle (Leptinotarsa decemlineata	17748 Influence of population level and trap spacing on capture of tobacco hor-worm moths in blacklight
Conditions for infection of celery by Septoria apiicola.	Say.).	traps with virgin females. 17861
The frequency of penetration of epidermal strips and intact wheat leaves by Puccinia graminis f. sp. tritici.	Water, electrolyte, and acid-base alterations in experimental canine leptospirosis. 18244	Studies of the epidemiology of arthropod-borne virus infections at Mitchell River Mission, Cape York Peninsula, north Queensland. II. Arbovirus infections of mosquitoes, man, and domestic
18060 Control of the birch leaf minor with disulfoton. 18086	LETHAL FACTOR Gamma-ray-induced mutations in Drosophila melanogaster oocytes: The phenomenon of dose	fowls, 1963-1966. 17910 Aphid vectors of barley yellow dwarf virus in
Effects of early-, mid-, and late-season infestations of two-spotted spider mites on the yield of cotton.	rate. 17904	blacklight traps in eastern United States. 18089 LIGHTING
18094 Quantitative changes in organic acids in roots	Developmental characteristics of five lethal mutants of Drosophila melanogaster. 17908	Low light intensity promotes melting out of bluegrass. (Abstract).
and leaves from grapefruit seedlings infected with Rhadopholus similis. 18138	LETHAL FACTORS Selective staining of dead cells in bean leaves injured by ozone.	LIME Reducing spring discharge of Venturia inaequalis
Manganese toxicity in celery.	17931 Effect of organo-Phosphorus insecticides on the	ascospores by composting overwintering leaves. 17929
Interaction of growth regulators in the senescence of nasturtium leaf disks. 18426	warm blooded animals and cure thereof. 18193 Avirulent mutant of a strain of ornithosis agent	Systemic-chemical paints for the control of Cytospora canker disease in prune trees.

A method for evaluation of vaccines containing

18195

18380

LIPAPHIS ERYSIMI

Control of mustard aphid (Lipaphis erysimi Kalt.) by systemic insecticides.

18115

obtained by gamma irradiation.

pasteurella multocida.

18451

Effect of defoliants on carbohydrate and nitrogen metabolism in cotten plant leaves.

18448

Red pine meedle structure.

Nematodiasis in Louisiana dairy cattle. Impact of

host nutrition upon experimental ostertagiasis in

the bovine.

LYMPH

tetanus toxoid.

MAMMARY GLANDS

MAN

17886

The effect of intramammary infection during the dry period on the milk production of the affected quarter at the start of the succeeding lactation.

17934

The impact of fungi on man. QK603.0T3.

Response of lymphocyte-depleted calves to fluid

LIPARA LUCENS

LIPARA LUCENS

Habitat selection by Lipara lucens Mg. (Diptera,

Bacteriological studies of poultry litter fed to

Mycoplasma meleagridis ('N' strain mycoplasma - PPLO): Relationship of air sac lesions and isolations in day old turkeys (Meleagridis Gal-

livestock

lopavo).

Chloropidae) and its survival value.

17701	10212	10273
LIPIDS	Corynebacterium equi infection in two foals.	LYMPH NODES
Some aspects of isoleveine metabolism in the yel-	18225	a saim antal Barradlania
low fever mosquito, Aedes aegypti (U.) 17891	Histopathological aids to the diagnosis of certain	perimental Brucellosis. 18237
Constituents of the cotton bud, XIII. Further stu-	poultry diseases. 18284	LYMPHOMATOSIS
dies on a nonpolar feeding stimulant for the boll	Salmonella dublin meningitis in piglets.	Histopathological aids to the diagnosis of certain
weevil.	18287	poultry diseases.
18124	Placental pathology of experimentally-induced	18284
Lipids of Venezuelan equine encephalomyelitis	enzootic abortion in ewes.	LYMPHOSARCOMA
virus and their relationship to the lipids of the host.	18300	Experimental transmission of two canine neoplasms: Lymphosarcoma and mast cell leu-
18256	A comparison of methods of measuring the per-	kemia.
LIRIOMYZA	sistance of neutralizing and haemagglutinin-in-	
A review of recent literature on the host plant	hibiting antibodies to louping ill virus in experi- mentally infected sheep.	Drotting in the contract of th
range of the genus Liriomyza mik (Diptera:	18302	Avirulent mutant of a strain of ornithosis agent
Agromyzidae) in the Continental United States and Hawaii, excluding Alaska.	Age susceptibility and excretion of Salmonella	obtained by gamma irradiation. 18195
17770	typhimurium in calves.	MACRACANTHORHYNCHUS IIIRUDINACEUS
LISTERIA GRAYI	18312	Oligosaccharidases from Macraeanthorhynchus
Ecologic aspects of listeriosis.	Pneumonia of sheep in Kenya. II. Pathology of	
18214	chronic progressive pneumonia.	18186
LISTERIA MONOCYTOGENES	18338	MACROSIPHUM AVENAE
Ecologic aspects of listeriosis. 18214	Factors affecting the infection of black spruce	Aphid vectors of barley yellow dwarf virus in blacklight traps in eastern United States.
LISTERIOSIS	(Picea mariana Mill.) transplants by Cylin-	18089
Ecologic aspects of listeriosis.	drocladium scoparium.	MAGNESIUM
18214	18056	Some nutritional aspects of dietary magnesium in
LITERATURE	LOCOMOTION	ruminants and poultry.
A review of recent literature on the host plant	Mechanism of locust jumping.	18227
range of the genus Liriomyza mik (Diptera:	17793	Mineral and endocrine interrelationships in renal calcification.
Agromyzidae) in the Continental United States	LOCUSTA MIGRATORIA	10303
and Hawaii, excluding Alaska.	Photoinhibitory function of the dorsal ocelli in the phototactic reaction of the migratory locust	
LIVER	Locusta migratoria L.	Fungistatic constituents in citrus varieties re-
Influence of dietary vitamin A on cholesterol	17786	sistant to the mal-secco disease.
metabolism of chickens.	LOGS	18046
18185	Survival of the balsam woolly aphid on Abies	MALARIA A preliminary report of the mosquitoes in the
Strychnine levels in tissues and stomach contents	logs. 18084	Gilgit Agency area.
of poisoned dogs: An eleven year survey. 18254	LONGEVITY	17772
The utilization of vitamin A and carotene by ru-	The effect of blood-feeding on the longevity of	Biology of vector-associated diseases in Viet-
minants. 1. Vitamin A potency of carotenes in	radiationresistant yellow-fever mosquitoes.	nam.
corn silage fed to lambs. 2. The effect of time and	17885	17913
route of administration of vitamin A on liver	Morphology and longevity of Verticillium albo-	Studies of the epidemiology of arthropod-borne
vitamin A storage by steers. 3. The effect of route of administration of vitamin A on blood	atrum in cotton leaves. (Abstract).	virus infections at Mitchell River mission, Cape York Peninsula, north Queensland. I. Mosquito
serum and liver vitamin A concentrations in	17957	collections, 1963-1966.
steers at subsequent time intervals.	Longevity of an experimental infection with	17914
18281	Dirofilaria immitis in a dog. 18297	MALATHION
Liver granulomas of turkeys caustive agents and	LOPHODERMIUM PINASTRI	Activation of malathion by the locust bodywall.
mechanism of infection.	The relationships of ozone, Lophodermium	The effect of antiquemental and high similar
18294	pinastri and Pullularia pullulans to needle blight	The effect of environmental and biological fac- tors on the persistence of malathion applied in
Lesions caused by the hepatic trematode, Metorchis conjunctus, Cobbold, 1860; A compara-	of Eastern white pine.	low volume technical and emulsifiable concen-
tive study in Carnivora.	17972	trate forms to cotton plants.
18369	A comparison of methods of measuring the per-	18386
Pyrrolizidine alkaloid poisoning in calves.	sistance of neutralizing and haemagglutinin-in-	Gel permeation cleanup for malathion in wheat,
18412	hibiting antibodies to louping ill virus in experi-	using a non-ionic, cross-linked polystrene polymer.
LIVESTOCK	mentally infected sheep.	18482
Further studies on the use of ERA rabies vaccine in domestic animals.	18302	MAMMALS
in domestic animals.	LUMBER	Comparative toxicity (Mammalia, Insecta,
A survey to determine the salmonella contamina-	Proposed federal Formosan termite quarantine safeguards. Buyer, seller,	Acarina) of recent S,S-dimethyl S-benzyl deriva-
tion rate in livestock and poultry feeds.	18378	tives substituted for tri- and tetrathiophosphoric acids.
18204	LUNGS	17800
A fern poisoning-like disease observed in an im-	The significance of the stay of Necator amer-	Effect of organo-Phosphorus insecticides on the
proved pasture.	icanus larvae in the puppy lung on their further	warm blooded animals and cure thereof.
Agricultural (livestyck) waster	development. 18283	18193
Agricultural (livestock) wastes. 18404		The toxicology of different organo-mercurials
LIVESTOCK DISEASES	The genera of African Lucranidae (Lonidantery)	used as fungicides.

Techniques of marking insects with micronized fluorescent dust with especial emphasis on marking millions of Lygus hesperus for dispersal stu-

Rhopalocera).

18211

LYGUS HESPERUS

MANDIBULAR GLANDS	MELAMPSORA LINI	Some aspects of isoleveine metabolism in the yel-
Biting in Orthoptera and their allies.	Quantitative histology of Melampsora lini resistance in flax. (Abstract).	low fever mosquito, Aedes aegypti (L.).
MANDUCA QUINQUEMACULATA	17941	Anaerobic metabolism of Albugo candida-in-
Catch of insects at different heights in traps	MELOIDOGYNE HAPLA	fected radish cotyledons. 17953
equipped with blacklight lamps.	The influence of crop-rotation on the attack of carrots by Meldidogyne hapla Chitw. and symp-	An investigation of the tobacco mosaic virus
MANDUCA SEXTA	tom formation.	multiplication process and its effect on the
Catch of insects at different heights in traps	MELOIDOGYNE INCOGNITA	metabolism of the host.
equipped with blacklight lamps.	Interaction of Meloidogyne javanica and	Effect of organo-Phosphorus insecticides on the
Influence of population level and trap spacing on	Phytophthora parasitica var nicotianae on Nicotiana tabacum (N. C. 95.' (Abstract).	warm blooded animals and cure thereof.
capture of tobacco hor-worm moths in blacklight	18036	Relationships between zinc nutrition and al-
traps with virgin females. 17861	Effect of temperature and variety on nematode	kaline phosphatase activity in the chick.
MANGANESE	development and gall production on soybcans in- fected with Meloidogyne incognita acrita. (Ab-	18220
Effects of a low manganese diet on certain ovine	stract).	Actions of vitamin D3 and sex hormones on cal- cium metabolism of bone in birds, particularly in
characteristics. 18274	MELOIDOGYNE JAVANICA	hens.
Manganese toxicity in celery.	Interaction of Meloidogyne javanica and	18226
18413	Phytophthora parasitica var nicotianae on Nico-	Degradation of cellular ribonucleic acid in New- castle disease virus infected cells.
MANOMETRY Mechanisms of inhibition and uncoupling of ox-	tiana tabacum (N. C. 95. '(Abstract).	18258
idative phosphorylation in housefly mitochon-	MELTING OUT (POA)	Oxalate metabolism in sheep II. Effect of low level Halogeton glomeratus intake on electrolyte
dria. 17899	Low light intensity promotes multing out of	metabolism.
MASTITIS	bluegrass. (Abstract).	18262
Mycoplasmas: their role in bovine disease.	MENAZON	Food intake and growth of burro foals after 250 roentgens of cobalt-60 whole-body gamma ir-
18264	The use of menazon seed dressing to decrease spread of virus yellows in sugar-beet root crops.	radiation.
Pathology a-d immunofluorescence studies of bovine mycoplasma mastitis.	18098	18271
18267	MENINGITIS	Copper and ascorbic acid in guinea pig tissues as effected by dietary intake.
MAYETIOLA DESTRUCTOR	Salmonella dublin meningitis in piglets.	18290
Peculiarities of development and harmful activi- ty of the Hessian fly (Mayetiola destructor Say.)	MERCURY	Changes in protein and nucleic acid metabolism
under conditions of irrigation.	Studies on the effects of Hg(II) and sucrose on	in baby hamster kidney cells infected with foot- and-mouth disease virus.
18119	the mechanical transmission of tobacco mosaic virus ribonucleic acid to pinto bean (Phaseolus	18308
MAZZARD CHERRIES Relation of boron to cherry rosette disease in	vulgaris L.).	Administration of glycuronic acid and its excre- tion in dairy cows.
Oregon, and the possible implication of a virus.	18011	18333
17954	Analytical problems: Mercury in the general environment.	The effect of diet on the utilization of stable and
MEASUREMENT Developmental characteristics of five lethal mu-	18408	radioactive copper in ruminants. 18334
tants of Drosophila melanogaster.	The toxicity and distribution of mercury. 18410	Degradation of diazinon by synergistic microbial
17908	Low temperature irradiation applied to neutron	action.
Some nutritional aspects of dietary magnesium in ruminants and poultry.	activation analysis of mercury in human whole	Effect of thiram upon glucose catabolism by
18227	blood. 18484	Fusarium oxysporum. (Abstract).
California-encephalitis-group viruses in Florida	MERCURY COMPOUNDS	18425
rabbits: Report of experimental and sentinel stu- dies.	Distribution of mercury compounds in fish and birds.	Active uptake of Helminthosporium carbonum toxin and its effect on CO2 dark fixation by corn.
18265	18180	(Abstract).
Quantitative studies on the kinetics of establish-	Mercury content in feathers of Swedish birds	Ovalate hissorthesis and nathunus for alcone
ment and expulsion of intestinal nematode popu- lations in susceptible and immune hosts. Nippos-	from the past 100 years.	Oxalate biosynthesis and pathways for glucose catabolism in Sclerotium rolfsii Sacc.
trongylus brasiliensis in the rat.	Methyl mercury compounds in fish.	18459
18364	18199	Light stimulated biosynthesis of gibberellins in Fusarium moniliforme.
The statistical description of a spray in terms of drop velocity, size, and position.	The toxicity and distribution of mercury.	18462
18488	Swedish studies of game that had been found	Wound-induced gibberellins.
Engineering and biological aspects of designing	dead as well as specimens that had been shot.	Red light induction of gibberellin synthesis in
and using a selective flame weeder. 18493	18411	leaves.
MECHANICS	The toxicology of different organo-mercurials used as fungicides.	18468
Anaerobic processes. Microbiology and mechanism.	18418	METABOLITES Metabolism of C14-labeled hemel in male house
18405	Swedish restrictions concerning the use of mer- cury compounds for seed disinfection.	flics.
MEDICAL ENTOMOLOGY	18441	17798
Biology of vector-associated diseases in Viet- nam.	METABOLISM	Studies on the pathogen and vector of dutch elm disease. A. Morphogenesis in Ceratocystis ulmi.
17913	Selective recovery of volatile products from house flies treated with radioactive insecticide	B. Chemicals stimulating feeding by Scolytus
MEDICINE	chemicals and synergists.	multistriatus. II. An improved method for the isolation of a toxic metabolite from Rhizoctonia
Helminths as vehicles and synergists of microbial infections.	17796	leguminicola.
18376	Metabolism of C14-labeled hemel in male house flies.	Chemical control of nutsedge (Cyperus rotundus
MEGALYRIDAE	17798	Chemical control of nutsedge (Cyperus rotundus L.) and the metabolism of 3,6-dichloro-O-anisic
Notes on Megalyridae (Hym. Ichneumonoidea) and description of new species from Madagascar.	Ordered chromosomal DNA synthesis in Droso- phila melanogaster.	acid (dicamba).
17751	pritta metanogaster.	Laurely of 6 hate property 2 places (where tiel

MEIOSIS

duced by gammarays.

Chromosomal alternations in pearl millet in-

Tyrosine metabolism and its hormonal control after celosion in the adult fleshfly Sarcophaga

bullata Parker (Diptera: Sarcophagidae).

METACERCARIA

Medium and techniques for mass rearing the red-banded leaf roller.

17829

17843

Comparison of metabolites of progesterone-4-14C in urine from a nonpregnant domestic sour	Costelytra zealandica (White) sex attraction.	Microflora associated with agalactia syndrome of sows.
18190 Isolation and purification of metabolites found in	Fungi in stored products. 18377	18207 Estimation of radiation resistance values of
the urine of male rats fed aldrin and dieldrin. 18379	The toxicity and distribution of mercury.	microorganisms in food products.
Analytical problems: Mercury in the general en- vironment.	Engineering and biological aspects of designing	Degradation of diazinon by synergistic microbial action.
18408	and using a selective flame weeder. 18493	action. 18384
Isolation of a new toxin from cultures of Asper- gillus flavus.	METHOXYCHLOR	Microbiology. Gastrointestinal outbreaks. 18392
18416	Residues of diazinon, coumaphos, ciodrin, methoxychlor, and rotenone in cow's milk from	Anaerobic processes. Microbiology and
Metabolism of amitrole (3-amino-1,2,4-triazole) in relation to the differential susceptibility of Cirsium arvense (L.) scop. ecotypes.	treatments similar to those used for ectoparasite and fly control on dairy cattle, with notes on	mechanism. 18405
18474	safety of diazinon and ciodrin to calves.	MICROORGANISMS
METACERCARIA On the Metacercaria of Prosthogonimus	METHYL	The pathogenicity of secondary and tertiary basidiospores of Cronartium fusiforme.
putschkowskii in Sympetrum decoloratum	Methyl mercury compounds in fish. 18199	18052
(Odonata: insecta) with observations on its development in chicks.	METHYL BROMIDE	Microflora associated with agalactia syndrome of sows.
18370	Soil fumigants tested for control of crown gall. 17973	18207
Water pollution. Effects of pollution on fish life.	Reinfestation of forest sites by the Texas leaf-	Placental pathology of experimentally-induced enzootic abortion in ewes.
General aspects of water pollution biology. 18395	cutting ant. 18107	18300
METAMORPHOSIS	The tolerance of imported commodities to fu-	Fungi in stored products. 18377
Effects of juvenile hormone on protein synthesis during the metamorphosis of the polyphemus	migation with methyl bromide. 18112	Estimation of radiation resistance values of
silkmoth.	METHYLENE CHLORIDE	microorganisms in food products. 18383
17788 Studies of caste differentiation in Myrmica rubra	Note on the determination of carbaryl residues in hen skin.	Degradation of diazinon by synergistic microbial
L. 9. Maternal environment and the caste bias of	18406	action. 18384
larvae. 17791	METHYRIDINE Changes in the efficacy of three anthelmintics	Influence of micro-organisms on the distribution
About lepidopterous immatures. 17857	during the maturation of a nematode (Trichincl- la spiralis).	in roots of phosphate labelled with phosphorus 32.
Nucleoprotein synthesis during metamorphosis	18357	18424
in Drosophila virilis.	METORCHIS CONJUNCTUS Lesions caused by the hepatic trematode, Me-	MICROSCOPY Larch sawfly survival in relation to water levels
Biology of the elm leaf beetle in southern Arizona.	torchis conjunctus, Cobbold, 1860; A comparative study in Carnivora.	and microtopography in tamarak bogs. 17839
17898	18369	A case of porcine endocarditis associated with
Changes in the efficacy of three anthelmintics during the maturation of a nematode (Trichinella spiralis).	MICE Studies on selection in natural and experimental populations of Drosophila pseudoobscura.	Staphylococcus aureus. 18248 MIDDELBURG VIRUS
18357	17781	The multiplication of Middelburgs and 1 plaque
Parasitic development of Obeliscoides cuniculi in rabbits.	Avirulent mutant of a strain of ornithosis agent obtained by gamma irradiation.	viruses in Aedes aegypti mosquitoes. 17735
18375	18195	MILDEW (BARLEY)
METEOROLOGY Meteorological factors affecting the activity of	Does the agent of scrapic replicate without nucleic acid.	Physiologic race changes in barley mildew 1964 67.
night flying Macro-Lepidoptera.	18205	18130
METEPA 17832	Antibody response to immunization in experi- mental Salmonellosis.	MILK
Chemical sterilization of the stable fly Stomoxys	18269	The effect of intramammary infection during the dry period on the milk production of the affected
calcitrans (Linne), with metepa and hempa.	Prevalence of Trichinella spiralis in wild animals on two Illinois swine farms.	quarter at the start of the succeeding lactation. 18194
Reproductive behavior of the potato tuberworm, Phthorimaea operculella (Zeller), (Lepidoptera:	18282	Pathology a-d immunofluorescence studies of
Gelechiidae) and the effect of the chemosterilant	Mitochondrial involvement in the host-parasite relationship.	bovine mycoplasma mastitis. 18267
metepa. 17836	18305	Acute infectious bovine rhinotracheitis and sal-
Effect of the chemosterilant metepa on the	Influence of statolon-induced interferon on ra- bies virus infection in mice.	monellosis in a dairy herd. 18344
housefly, Musca domestica L. 17848	18322	Studies on the laboratory soiling of milking
METHANOL Plant growth regulations in Ditylenchus dipsaci,	Experimental studies in mice on the therapy of trichinellosis (Thiabendazole, Neguvon, continuous c	equipment. 18409
Ditylenchus triformis and host tissues. 18437	tisone, azulen, sera).	MILK ANALYSIS Niagara NIA-10242 insecticide residues: Their
METHEMOGLOBIN	Anthelminthic activity of some carbamate derivatives,	persistence in coastal bermudagrass, corn, and
Influence of nitrite and hydroxylamine on per- formance and vitamin A and carotene metabol-	derivatives.	silages, and their effect, fed in silage, on lactating cows.
ism of ruminants.	A method for evaluation of vaccines containing	18400
METHODOLOGY 18183	pasteurella multocida. 18380	Residues of diazinon, coumaphos, ciodrin,
The formation of the cuticular ridges in the larval pharynx of the blowfly (Calliphora vicina RD.).	The toxicity and distribution of mercury. 18410	methoxychlor, and rotenone in cow's milk from treatments similar to those used for ectoparasite and fly control on dairy cattle, with notes on
17809	MICROBIOLOGY	safety of diazinon and ciodrin to calves.
New techniques to bioassay the sex attractant of pink bollworms with olfactometers.	Simple field and laboratory method for recovering living ticks (Ixodoidea) from hosts.	MINERAL OIL

76

17733

Notes on microanalytical techniques in the analysis of foods for extraneous materials. 17792

MINERAL OIL
Preliminary observations on the effect of alcohol
and oil films on the oviposition of Culex pipiens
quinquefasciatus (Say). 17844

MUSCA AUTUMNALIS

* ************************************	Occurrence of Assorbron mosaic view in Man	Acute infectious bovine rhinotracheitis and sal-
MIREX	Occurrence of Agrophron mosaic virus in Mon- tana.	monellosis in a dairy herd.
Subterranean termite studies in southern On- tario.	18058	18344
17747	Introduction to Bacillus thuringiensis and its	Pyrrolizidine alkaloid poisoning in calves.
MIRIDAE	uses.	18412
Neotropical Mirids, XCVIII: three new species of	18103	MOSAIC (EGGPLANT)
the tribes Bryocorini and Orthotylini (Hemop-	Effect of temperature and variety on nematode	A new mosaic disease of brinjal (Solanum
tera).	development and gall production on soybeans in-	melongena L.).
17742	fected with Meloidogyne incognita acrita. (Ab-	18116
A new genus and two new species of mirid bugs	stract).	MOSAIC (LETTUCE)
(Heteroptera, Miridae) from the eastern regions	18131	Effect of MCPA on lettuce pre-inoculated with
of the USSR.	Electron microscope studies of some cephalic	lettuce mosaic virus.
17755	structures of Xiphinema americanum.	18075
MITES	18142	MOSAIC (SUGARCANE)
Biological and ecological studies on Caloglyphus	Characterization studies on feline panleucopenia	Relationship between free amino acids and
mite (Acarinai Acaridae) associated with	virus. (with). II. Pathogenesis in the host.	symptom expression in corn infected with maize
Scarabaeidae.	18233	dwarf mosaic virus or sugarcane mosaic virus.
	Electron microscopic studies on the develop-	(Abstract).
Two new species of Thyasidae (Acarina) from	ment of vesicular stomatitis virus. 18236	17982
Nikko National Park Japan. 17752		Ultrastructure of Zea mays leaf cells infected
	A case of porcine endocarditis associated with Staphylococcus aureus.	with Johnson grass strain of sugarcane mosaic
A new genus and species of the phytophagous	18248	virus. (Abstract).
mite (Bryobiidae, Acariformes).		
	Basic biological characteristics of mycoplasma. 18277	MOSAIC (TOBACCO)
A new species of the gamasid mite Ichoronyssus mirabilis Senotrusova et Tagiltsev sp. n.		Local lesion development in Turkish tobacco leaves heated after inoculation with tobacco
(Acariformes, Gamasoidea) from whiskered mil-	Liver granulomas of turkeys caustive agents and mechanism of infection.	mosaic virus. (Abstract).
lers of the Zaisan hollow.	18294	17983
17769		Investigations of the mechanism of the necrotic
Northern fowl mite control on mature turkeys on	Eight feline viruses: An electron microscopic stu- dy.	response of Nicotiana tabacum L. var. Samsun
range.	18324	NN to infection with tobacco mosaic virus.
18350	An electron microscope study of the tegument	17985
MITOCHONDRIA	and associated structures of the procercoid of	High-temperature-induced insoluble coat
Mechanisms of inhibition and uncoupling of ox-	Diphyllobothrium latum (L.).	protein in tobacco mosaic virus (TMV) -infected
idative phosphorylation in housefly mitochon-	18355	plants. (Abstract).
dria.	On the development of Cysticercus fasciolaris in	17993
17899	albino rat liver and its reaction on the host tissue.	An investigation of the tobacco mosaic virus
Cytochrome oxidase and mitochondrial protein	18381	multiplication process and its effect on the
in extracts of leaves of Nicotiana glutinosa L. In-	Inorganic composition and microscopy of citrus	metabolism of the host.
fected with tobacco mosaic virus.	roots grown under several copper and soil	17998
18045	amendment conditions.	Studies on the effects of Hg(II) and sucrose on
Cytomorphological features of TMV-INFECTED	18428	the mechanical transmission of tobacco mosaic
tobacco callus cells in tissue culture.	MORTALITY	virus ribonucleic acid to pinto bean (Phaseolus
18063	Activation of malathion by the locust bodywall.	vulgaris L.).
Mitochondrial involvement in the host-parasite	17777	18011
relationship.	Preliminary evaluation of a granulosis virus for	Cytokinin effect of benzyladenine: Increase of
18305	control of the codling moth.	nucleic acid and protein synthesis in bean leaves.
MITOSIS	17822	18048
Mitotic chromosomes of Glossina pallidipes	Effect of the chemosterilant metepa on the	Cytomorphological features of TMV-INFECTED
Austen.	housefly, Musca domestica L.	tobacco callus cells in tissue culture.
17905	17848	18063
Mitotic recombination in conidiophores of ver-	Premature death of adult rusted wheat plants in	Location of unique sequences in tobacco mosaic
ticillium alboatrum.	relation to carbon dioxide evolution by root	virus ribonucleic acid.
17922	systems.	18457
MIYAGAWANELLA GROUP VIRUSES	17964	MOSAIC (WATERMELONS)
Psittacosis-lymphogranuloma venereum agent	Additional information on the pathogenicity of	Identification of strains of watermelon mosaic
isolated during an abortion epizootic in goats.	Scleroderris lagerbergii.	virus by serology and other characteristics. (Ab-
18286	18065	stract).
MOLECULES	Bacterial canker of tomato; inoculum level	18037
Gas chromatographic detector for simultaneous	needed for infection. 18071	Aluminum foil and white polyethylene mulches
sensing of phosphorus and sulfur-containing		to repel aphids and control watermelon mosaic.
compounds by flame photometry.	Attack of the black turpentine beetle on roots of	18083
18483	slash pines.	MOTHS
MOLTING (INSECTS)		Rearing stored product insects for laboratory
The molting behavior of the black widow spider,	Anthocoris melanocerus as a predator of the	studies: Six species of moths. 17887
Latrodectus mactans.	green peach aphid on sugar beets and broccoli. 18121	
17830		MOTION PICTURES Machanism of locust imming
MONILINIA LAXA	Mortality staging of dominant lethals induced in the F1 generation of sugarcane borer; Diatraea	Mechanism of locust jumping. 17793
Dispersal patterns of Monilinia laxa spores in	saccharalis (F.).	
peach, prune, apricot, and almond trees during	18127	MUCOSAL DISEASE
early spring. (Abstract).	Treatment for poisoning by slug bait.	Duck plague.
	18187	18263
MORPHOLOGY A rayiony of recent literature on the best plant	Characterization studies on feline panleucopenia	MULCHES
A review of recent literature on the host plant range of the genus Liriomyza mik (Diptera:	virus. (with). II. Pathogenesis in the host.	Aluminum foil and white polyethylene mulches to repel aphids and control watermelon mosaic.
Agromyzidae) in the Continental United States	18233	18083
and Hawaii, excluding Alaska.	An enzootic of pseudorabies in swine in Califor-	
17770	nia.	MURAMIDASE Pesults concerning humaral immunity of Purra-
Mitotic chromosomes of Glossina pallidipes	18257	Results concerning humoral immunity of Pyrrhocoris apterus I. and Galleria mellonella F.
Austen.	Duck plague.	17842
		1,042

Increased incidence of avian leukosis in response

MUSCA AUTUMNALIS

18280

Further studies on the effect of bovine diet on face fly development.

17766

to excess vitamin A.

17905

17957

Morphology and longevity of Verticillium alboatrum in cotton leaves. (Abstract).

MUSCA DOMESTICA

(Abstract).

MYCETOMA

Mycetoma in a dog.

Laboratory propagation of Muscidifurax raptor on face fly pupae.	MYCOLOGY Mycotic abortion in ewes produced by Aspergil-	NATURAL CONTROL (INSECTS) Bionomics, enemies and population dynamics of
17794	lus fumigatus: pathologic changes.	Javesella pellucida (F.) (Hom., Delphacidae). 17875
MUSCA DOMESTICA Organothiocyanates as insecticides and carba-	Fungi in stored products.	NECATOR AMERICANUS
mate synergists.	MYCOPLASMA 18377	The significance of the stay of Necator americanus larvae in the puppy lung on their further
Sclective recovery of volatile products from	Mycoplasmas: their role in bovine disease.	development. 18283
house flies treated with radioactive insecticide chemicals and synergists.	Basic biological characteristics of mycoplasma.	NECATORIASIS
17796	18277	The significance of the stay of Necator americanus larvae in the puppy lung on their further
Metabolism of C14-labeled hemel in male house flics.	MYCOPLASMA AGALACTIAE Pathology a-d immunofluorescence studies of	development. 18283
17798	bovine mycoplasma mastitis.	NECROSIS
Effect of the chemosterilant metepa on the housefly, Musca domestica L.	MYCOPLASMA GALLISEPTICUM	Effects of watering frequency and saturation time on fine root necrosis of peach caused by
Mechanisms of inhibition and uncoupling of ox-	Serological tests for the detection of antibodies to Mycoplasma gallisepticum in chickens and	Pythium spp. (Abstract). 17952
idative phosphorylation in housefly mitochon- dria.	turkeys.	Investigations of the mechanism of the necrotic response of Nicotiana tabacum L, var. Samsun
17899	MYCOPLASMA MELEAGRIDIS	NN to infection with tobacco mosaic virus.
MUSCIDAE On morphology of larvae of the III instar in	Mycoplasma meleagridis ('N' strain mycoplasma	17985 Tobacco necrosis virus and its satellite virus.
synanthropic species of flies from the genus	 PPLO): Relationship of air sac lesions and isolations in day old turkeys (Meleagridis Gal- 	18007
Hydrotaea R.D. (Diptera, Muscidae).	lopavo).	NEEDLE BLIGHT (PINUS) The relationships of ozone, Lophodermium
MUSCIDIFURAX RAPTOR	MYCOPLASMA MYCOIDES	pinastri and Pullularia pullulans to needle blight
Laboratory propagation of Muscidifurax raptor on face fly pupae.	Contagious bovine pleuropneumonia and the	of Eastern white pine. 17972
17794	problems associated with its control. 18276	NEMATOCIDES
MUSCLES Mechanism of locust jumping.	MYCOSIS	Evaluation of nematocides for controlling reniform nematodes on sweetpotatoes.
17793	Influence of a virus disease on the hemocytic anticryptogramic reactions in insects.	17918
Mechanical and electrical activity in the indirect	17893	Chemical control of the stem nematode Di- tylenchus dipsaci.
flight muscles of the honey bee. 17820	Mycetoma in a dog. 18221	18137
Permeability and excitation of insect muscle.	MYCOTOXICOSIS	Effect of variety and fumigation on nematode populations in oats, wheat, and rye.
17896	Fungi in stored products.	18147
Myoglobin in control and dystrophic chickens. 18250	MYOGLOBIN 18377	NEMATODE-TRAPPING FUNGI Interactions of Aphelenchus avenae and some
MUSCULAR DYSTROPHY	Myoglobin in control and dystrophic chickens.	nematodetrapping fungi in dual culture.
Effects of selenium and vitamin E on nutritional muscular dystrophy in lambs,	MYRMICA RUBRA	NEMATODES 18134
18242	Studies of caste differentiation in Myrmica rubra	Interaction of Meloidogyne javanica and
Myoglobin in control and dystrophic chickens. 18250	L. 9. Maternal environment and the caste bias of larvae.	Phytophthora parasitica var nicotianae on Nicotiana tabacum (N. C. 95.' (Abstract).
MUSKMELONS	17791	18036
Effect of soil sterilization and soil type on ap- parent susceptibility of two muskmelon varieties	MYZUS PERSICAE Tests with insecticides for the control of resistant	Effect of temperature and variety on nematode development and gall production on soybeans in-
to Fusarium oxysporum f. sp. melonis. (Abstract).	Myzus persicae (Sulzer) on year-round chrysanthemums.	fected with Meloidogyne incognita acrita. (Abstract). 18131
The tolcrance of imported commodities to fu-	18095 Isolation and electron microscopy of potato	Attempted cultivation of nematode cells. (Ah-
migation with methyl bromide.	leafroll virus from plants.	stract). 18133
MUTATION	A new mosaic disease of brinjal (Solanum	Interactions of Aphelenchus avenae and some nematodetrapping fungi in dual culture.
Physiological genetics of melanotic tumors in Drosophila melanogaster , V. Amino acid	melongena L.).	18134
metabolism and tumor formation in the tu bw; st	Anthocoris melanocerus as a predator of the	Quantitative changes in organic acids in roots and leaves from grapefruit seedlings infected
su-tu strain. 17902	green peach aphid on sugar beets and broccoli. 18121	with Rhadopholus similis.
Gamma-ray-induced mutations in Drosophila	Egg distribution as a factor in suppressing the	18138 Control of endo- and ecto-parasitic nematodes in
melanogaster oocytes: The phenomenon of dose rate.	green peach aphid by pruning. 18122	turf by hot-water treatments.
Tetraploid females in the hymenopteron, Mor-	NABIS AMERICOFERUS Field and laboratory studies on the ecology and	Injury to Heterodera tabacum by high soil tem-
moniella.	morphology of Nabis americoferus Carayon and	peratures. (Abstract). 18143
Developmental characteristics of five lethal mu-	its parasites in California.	The influence of an organic soil amendment on
tants of Drosophila melanogaster.	NANOPHYETUS SALMINCOLA	infectivity and reproduction of Tylenchulus semipenetrans on two citrus rootstocks.
Induced resistance to bacterial wilt in susceptible	Transmission of salmon poisoning disease to dogs by Nanophyetus salmincola eggs.	Effect of variety and fumigation on nematode
tobacco cuttings pretreated with avirulent mu- tants of Pseudomonas. (Abstract).	NAPHTHALENEACETIC ACID	populations in oats, wheat, and rye.
18029	Tolerances and exemptions from tolerances for	Thread worms in the rhizosphere of the normal
MUTATIONS Auxotrophic mutants of Phytophthora species.	pesticide chemicals in or on raw agricultural commodities, alphanaphthaleneacetic acid.	cotton and of that infected with the verticillous

cotton wilt.

18397

17906

Factors influencing the population fluctuation of Pratylenchus penetrans in soil. III. Host plant species. 18156

78

Tetraploid females in the hymenopteron, Mor-

commodities, alphanaphthaleneacetic acid.

moniella.

Gastrointestinal	parasitism	in	feedcr	calves c	of
southern Illinois.				1037	Δ

Epizootiologic observations of canine filariasis in Georgia.

Effect of desiccation on survival of the free-living stages of Trichostrongylus colubriformis. 18353

Changes in the efficacy of three anthelmintics during the maturation of a nematode (Trichinella spiralis).

Dirofilaria immitis parasitic in the spinal cavity of a dog.

Quantitative studies on the kinetics of establishment and expulsion of intestinal nematode populations in susceptible and immune hosts. Nippostrongylus brasiliensis in the rat. 18364

Studies on parasitic granuloma in the dog. 18365

Studies on the spring phenomenon in ovine helminthiasis. 1. Spring rise in stabled sheep. 18372

Parasitic development of Obeliscoides cuniculi in rabbits.

Use of fluorescent brightener as aid to studies of

fungistasis and nematophagous fungi in soil. 18440

NEMATODIASIS

Nematodiasis in Louisiana dairy cattle. Impact of host nutrition upon experimental ostertagiasis in the bovine. 18212

NEOPLASMS

Studies on selection in natural and experimental populations of Drosophila pseudoobscura.

Histopathological aids to the diagnosis of certain poultry diseases.

18284 Experimental transmission of two canine

neoplasms: Lymphosarcoma and mast cell leukemia. 18310

NEOPLASTIC DISEASES

Effects of genetic cellular resistance on cell transformation and virus replication in chicken hematopoietic cell cultures infected with avian myeloblastosis virus (BAI-0A). 18295

NEORICKETTSIA HELMINTHOECA

Transmission of salmon poisoning disease to dogs by Nanophyetus salmincola eggs. 1830 I

Electrical activity in insect nerve cell bodies. 17846

NERVOUS SYSTEM

Content and synthesis of gamma aminobutyric acid in the larval brain of Drosophila melanogaster. 17799

On the innervation of the prothoracie glands in

Papilio demoleus L. (Lepidoptera). 17884

Permeability and excitation of insect muscle

17896

Does the agent of scrapie replicate without nucleic acid. 18205

Histopathological aids to the diagnosis of certain poultry diseases.

18284 Electron microscopic studies of the nervous

system of Trichodorus christiei (Abstract). 18447

NERVOUS SYSTEM DISEASES

An enzootic of pseudorabies in swine in California. 18257

NEUROSPORA CRASSA

Studies on the fungitoxicity of captan. Vi. Decomposition of 35S-labelled captan by Neurospora crassa conidia. 18469

NEUTRON ACTIVATION ANALYSIS

Low temperature irradiation applied to neutron activation analysis of mercury in human whole blood. 18181

NEWCASTLE DISEASE

Degradation of cellular ribonuclcic acid in Newcastle disease virus infected cells.

18258

18235

Pathological changes of acute Newcastle disease in an outbreak in Miyazaki Prefecture with special reference to those of the cloaca.

NEWCASTLE DISEASE VIRUS

Isolation and characterization of three plaquetype clones of the hickman strain of newcastle discase virus.

Newcastle disease: A legal interpretation. 18245

NICOTIANA GLUTINOSA

Cytochrome oxidase and mitochondrial protein in extracts of leaves of Nicotiana glutinosa L. Infected with tobacco mosaic virus. 18045

NIPPOSTRONGYLUS BRASILIENSIS

Quantitative studies on the kinetics of establishment and expulsion of intestinal nematode populations in susceptible and immune hosts. Nippostrongylus brasiliensis in the rat.

Influence of nitrite and hydroxylamine on performance and vitamin A and carotene metabolism of ruminants. 18183

NITROGEN

The effect of carbon source, carbon to nitrogen ratios, and organic amendments on survival of propagules of Verticillium albo-atrum in soil.

Influence of nitrogen form on the incidence and severity of Aphanomyces root rot of peas. (Ab-

17966 Influence of nitrogen nutrition on Fusarium root

rot of pinto bean and on its suppression by barley straw.

Oxalate metabolism in sheep and its effect on the anion-cation balance. 18188

The interrelationships of Rhizoctonia solani and Helminthosporium vagans, nitrogen, and variety on alkaloids in Festuca arundinacea. (Abstract)

Effect of defoliants on carbohydrate nitrogen metabolism in cotten plant leaves. 18448

NITROGEN COMPOUNDS

Role of nitrogen in wood deterioration. VI. Mycelial fractions and model nitrogen compounds as substrates for growth of Polyporus versicolor and other wood-destroying and wood-inhabiting fungi. 18018

NOCTUIDAE

New Zealand Noctuidae (Lepidoptera): Summary of known host plants and a bibliography relevant to the biology of the group.

Correction coefficients for prognosing the development of insects by sums of effective temperatures (Agrotis segetum Schiff taking of example). 17810

Meteorological factors affecting the activity of night flying Macro-Lepidoptera. 17832

NOMENCLATURE

List of Phytopathological terms.

17932

17816

NONYL ACETATE, N

Defense mechanisms of arthropods. XXI. Formic acid and n-nonyl acetate in the defensive spray of two species of Helluomorphoides.

NOTODONTIDAE

Meteorological factors affecting the activity of night flying Macro-Lepidoptera. 17832

NUCLEIC ACIDS

Cytokinin effect of benzyladenine: Increase of nucleic acid and protein synthesis in bean leaves. 18048

Does the agent of scrapie replicate without nucleic acid. 18205

Degradation of cellular ribonucleic acid in Newcastle disease virus infected cells.

18258

Studies on the replication of African horsesickness virus in two different cell line cultures 18304

Wound-induced gibberellins.

18467

NUCLEOPROTEINS

Nucleoprotein synthesis during metamorphosis in Drosophila virilis. 17872

NURSER1ES

Alternaria tenuis on Antirrhinum.

Ornamentals

18033 18164

NUTRIENT SOLUTIONS (PLANTS)

Experiments and considerations on the anomolies of tomatoes of the super marmande type in hot houses, connections with the use of some plant hormones.

Effect of calcium availability on alfalfa grown in

calcareous high sodium soils.

18464

NUTRITION

Influence of nitrogen nutrition on Fusarium root rot of pinto bean and on its suppression by barley

18028 A comparative nutritional study of Alternaria

raphani, A. brassicae, and A. brassicola with special reference to A. raphani.

Physiology of germination of chlamydosporcs of Phytophthora cinnamomi.

NYMPHS

The development of Theileria parva in the salivary glands of the tick, Rhipicephalus appendicu-

17873

Cross protection between a plant virus and potato psyllid yellows.

OATS

Effect of moderate adult resistance on penetration, hyphal growth rates, and urediospore production by crown rust of oats. (Abstract).

17995

Tolerance to barley yellow dwarf in winter oats. 18050

Stand loss of small grains in Florida.

18057

Natural acquisition compared with mechanical inoculation of six-spotted leafhoppers for transmission of the oat blue dwarf virus. (Abstract).

18085

Effect of variety and fumigation on nematode populations in oats, wheat, and rye. 18147

Effect of 3-indoleacetic acid on phospholipid

membrane components of Avena coleoptiles.

18199

18417

Methyl mercury compounds in fish.

Toxic effects of odorous trace organies.

ment of oviduets under normal and experimental

conditions. Part two: Analysis of alterations occurring in oviducts during imaginal life.

tants of Drosophila melanogaster.

Qualitative identification of chlortracycline and

Selective staining of dead cells in bean leaves in-

The relationships of ozone, Lophodermium pinastri and Pullularia pullulans to needle blight of Eastern white pine.

OXYTETRACYCLINE

jured by ozone.

OZONE

17782

oxytetracycline in feeds.

17908

17972

17782

OBELISCOIDES CUNICULI OBELISCOIDES CUNICULI

in rabbits.

Parasitic development of Obeliscoides euniculi

infectivity and reproduction of Tylenehulus

Organothiocyanates as insecticides and earba-

Selective recovery of volatile products from house flies treated with radioactive insecticide

Tests with insecticides for the control of resistant

Myzus persieae (Sulzer) on year-round chrysanthemums.

semipenetrans on two eitrus rootstocks.

ORGANIC COMPOUNDS

ehemieals and synergists.

mate synergists.

18375

ODONATA	ORGANIZATIONS	Experimental colibacillosis and the development
On the Metacercaria of Prosthogonimus	Organisation of anti-rat eampaigns.	of earries in laying hens. 18206
putschkowskii in Sympetrum decoloratum (Odonata: insecta) with observations on its	18177	
development in chicks.	ORGANOPHOSPHORUS COMPOUNDS	OVIPOSITION Habitat salastion by Linuxa lugana Ma. (Dintara
18370	A review of drug toxicity in the cat.	Habitat selection by Lipara lucens Mg. (Diptera, Chloropidae) and its survival value.
ODORS	18420	17761
Toxic effects of odorous trace organics.	ORIBATEI	OVIPOSITORS
18417	Gamasid mites (Gamasoidea) as vectors of the	Life history of the looper Phigalia titea in Vir-
OEDIPODA COERULESCENS	disease eausative agents. 17915	ginia.
On the tetrapyrrolic pigments, essential con-		17889
stituents of homochrome:coloration in Oedipoda	ORNAMENTAL PLANTS	
cocrulescens L. (Aeridae, Orthoptera).	Ornamentals. 18164	Anthocoris melanocerus as a predator of the green peach aphid on sugar beets and broceoli.
17895		green peach aprild on sugar beets and broceon. 18121
OESOPHAGOSTOMUM DENTATUM	ORNITHONYSSUS SYLVIARUM	
Helminthie infestations of piglets with reference	Northern fowl mite control on mature turkeys on	OVULATION
to lesions encountered.	range. 18350	Further studies on the effect of bovine diet on
18371		face fly development. 17766
OESTRUS OVIS	ORNITHOSIS Avirulent mutant of a strain of ornithosis agent	
A temperature study of the overwintering site of	obtained by gamma irradiation.	Laboratory propagation of Muscidifurax raptor
the sheep bot fly Oestrus ovis L.	18195	on face fly pupae.
18373		17794
OILS	An outbreak of Ornithosis in fowls. 18318	Preliminary observations on the effect of alcohol
Attempts at combatting oystershell scale,		and oil films on the oviposition of Culex pipiens
Lepidosaphes ulmi (L.),on appletrees in	ORTHOPODOMYIA	quinquefasciatus (Say).
orehards of Quebee.	A prodrome of the genus Orthopodomyia (Dip-	
18109	tera, Culicidae).	Winter oviposition by the alfalfa weevil in Vir-
OILSEEDS		ginia.
Relation of invasion of eercal grains and oil seeds	ORTHOPTERA	17900
by storage fungi to increase in total and major in-	The phylogenetic development of food selection	Oviposition preferences of western corn root-
dividual fatty acids. (Abstract).	in certain orthopteroids. 17825	worms for various soil surface conditions.
18031		18100
OLFACTOMETERS	Biting in Orthoptera and their allies. 17826	Response of beef eows to exogenous
New techniques to bioassay the sex attractant of		progesterone and estradiol at various stages post-
pink bollworms with olfaetometers.	On the tetrapyrrolic pigments, essential con-	partum.
17829	stituents of homoehrome:eoloration in Oedipoda	18192
Pre-imaginal conditioning in Drosophila.	coeruleseens L. (Aeridae, Orthoptera).	OXALATES
17858		Oxalate metabolism in sheep and its effect on the
OLIGOSACCHARIDES	OSTERTAGIA	anion-eation balance.
Oligosaecharidases from Maeraeanthorhynehus	Nematodiasis in Louisiana dairy cattle. Impact of host nutrition upon experimental ostertagiasis in	18188
hirudinaceus (Acanthocephala) from swine.	the bovine.	Oxalate metabolism in sheep 11. Effect of low
18186	[8212	level Halogeton glomeratus intake on electrolyte
ONCOGENIC VIRUSES	OSTERTAGIASIS	metabolism.
Oneogenesis in the (tu) y2v;vg strain of Droso-	Nematodiasis in Louisiana dairy eattle. Impact of	18262
phila melanogaster.	host nutrition upon experimental ostertagiasis in	Oxalate biosynthesis and pathways for glucose
	the bovine.	catabolism in Selerotium rolfsii Saec.
ONIONS	18212	18459
The increased attack of Ditylenehus dipsaci on	OSTRINIA NUBILALIS	OXALIC ACID
onion caused by some fungicides. 18132	Field tests of chemicals for control of the En-	Oxalie acid biosynthesis by Selerotium rolfsii.
	ropean corn borcr.	(Abstract).
Factors influencing the population fluctuation of	17831	18460
Pratylenehus penetrans in soil. III. Host plant	OTITIS	OXALIS CERNUA
species. 18156	Detection of antibiotic-fast staphylococci in	On the dispersal of the bulbs of Oxalis eernua
	otitis externa in dogs.	Thunb. by mole-rats (Spalax ehrenbergi
OPISTHORCHIS Halminthia infurtations of piglots with refurence	18346	Nehring).
Helminthie infestations of piglets with reference to lesions encountered.	OVA	18163
18371	Studies on the spring phenomenon in ovine hel-	OXYDEMETONMETHYL
OPUNTIA	minthiasis. I. Spring rise in stabled sheep.	Control of the elm leaf beetle in Arizona.
With pests in the luggage.	18372	18128
With pests in the luggage.	OVARIAN CYSTS	OXYGEN
ORANGES	Cystic ovarian disease in dairy cattle: With spe-	Mechanisms of inhibition and uncoupling of ox-
Exocortis in Ortanique orange.	cial reference to its treatment using a combina-	idative phosphorylation in housefly mitoehon-
18001	tion of Chorionic gonadotrophin and	dria.
The influence of an organic soil amendment on	progesterone. 18200	17899
infectivity and reproduction of Tylanchulus	01/4 P4FG	Developmental characteristics of five lethal mu-

Analysis of the development of oviduets and the

developmental relations between oviducts and

ovaries in Drosophila virilis. Part one: Develop-

ment of oviducts under normal and experimental

conditions. Part two: Analysis of alterations occurring in oviduets during imaginal life.

On the biology of several Treehinae and Sphodrinae. (Insecta, Coleoptera).

Analysis of the development of oviduets and the

developmental relations between oviduets and

OVARIES

The respons fection by			
stract).	. scadoiii	onus pro	18009

PACHYLOBIUS PICIVORUS

A description of the pupa of the pales weevil, Hylobius pales, and a method for identifying its

PACIFIC NORTHWEST

The equine respiratory disease syndrome in the Pacific Northwest.

18272

A revision of the oriental species of Palexorista

Townsend (Diptera: Tachinidae, Sturmiini).

PANAMA CANAL ZONE

Culicoides control in the Canal Zone by water management.

PANCREAS

Alterations in the response and functions of the chicken pancreas induced by feeding unheated and autoclaved soybean meal.

PANISOPSIS

Two new species of Thyasidae (Acarina) from Nikko National Park Japan.

PANONYCHUS CITRI

Introducing and establishing the noninclusion virus of the citrus red mite in citrus groves.

PAPAVER

The study of the effect of amitrol on the respiration and activity of some enzymes in poppy plants (Papaver somniferum L.).

PAPAVER SOMNIFERUM

The study of the effect of amitrol on the respiration and activity of some enzymes in poppy plants (Papaver somniferum L.).

18479

PAPILIO DEMOLEUS

On the innervation of the prothoracic glands in Papilio demoleus L. (Lepidoptera).

17884 **PAPILLOMA**

The response of various tissues in neonate calves to bovine papilloma virus (BPV). 18251

PARAQUAT

Extermination of Eichhornia azurea Kunth, Aguape de cordao, on the Ribeira river by means of herbicide applications.

18166

PARASITIC INSECTS

Notes on Megalyridae (Hym. Ichneumonoidea) and description of new species from Madagascar.

Laboratory propagation of Muscidifurax raptor on face fly pupae.

The development of Theileria parva in the salivary glands of the tick, Rhipicephalus appendiculatus.

Bionomics, enemies and population dynamics of Javesella pellucida (F.) (Hom., Delphacidae)

Life history of the looper Phigalia titea in Virginia.

Tetraploid females in the hymenopteron, Mor-

moniella.

Cereal leaf miner in the South-east Region.

Resistance of cattle to the tick Boophilus microplus (Canestrini). II. Stages of the life cycle of the parasite against which resistance is manifest. 18351

PARASITIC PLANTS

Eastern dwarf mistletoe on jack pine in 17926

PARASITISM

Parasitic and free-living cycles in entomogenous nematodes of the genus Deladenus. 17731

Simple field and laboratory method for recovering living ticks (Ixodoidea) from hosts.

The infection of Boophilus microplus with Babe-

sia bigemina. 17795

Studies on the morphology and biology of Lecanium fletcheri Ckll. (Homoptera, Coccoidea) and related species. 17813

Field and laboratory studies on the ecology and morphology of Nabis americoferus Carayon and its parasites in California.

Pathogenic and cultural variation in Phytophthora nicotianae var parasitica from greenhouse plants.

The summer biology of Puccinia striiformis in southeastern Washington. I. Induction of infection during the summer.

Ultrastructure of host and parasite in compatible and incompatible ineractions of Zea mays L. with Puccinia sorghi Schw.

Survival of the balsam woolly aphid on Abies

18084 Control of endo- and ecto-parasitic nematodes in

turf by hot-water treatments. 18139

Studies of the suitability of certain Heliothis spp. as a host for Cardiochiles nigriceps Vierick.

The influence of an organic soil amendment on infectivity and reproduction of Tylenchulus semipenetrans on two citrus rootstocks.

Plant-parasitic nematodes in grape and raspberry soils of Ontario and a comparison of extraction

techniques. Gastrointestinal parasitism in feeder calves of

southern Illinois 18279

The connection between sunspot cycles and mass mortality among vertebrates and non-vertebrates due to parasitic activity.

Relationship between infecting dose, muscle parasitism, and antibody response in experimental trichinosis in rabbits.

Effect of desiceation on survival of the free-living stages of Trichostrongylus colubriformis.

Experimental infection of gnotobiotic Tenebrio molitor and white rats with Hymenolepis diminuta (Cestoda: Cyclophyllidea).

Lesions caused by the hepatic trematode, Metorchis conjunctus, Cobbold, 1860; A comparative study in Carnivora. 18369

Studies on the spring phenomenon in ovine helminthiasis. I. Spring rise in stabled sheep. 18372

A temperature study of the overwintering site of the sheep bot fly Oestrus ovis L.

Parasitic development of Obeliscoides cuniculi

Helminths as vehicles and synergists of microbial infections. 18376

Effects on populations of corn rootworms of aldrin residues in soil four years after application

18087

PARATHYROID GLANDS

Mineral and endocrine interrelationships in renal calcification.

18292

PARATRIOZA COCKERELLI

Cross protection between a plant virus and potato psyllid yellows. 18067

PARTHENOCARPY

Development of parthenocarpic and non-parthenocarpie syconia of Ficus carica L. cv. King in relation to endogenous and exogenous growth regulators. 17927

PARTHENOGENESIS

17834

Parthenogenesis in gum emperor moth Antheraea eucalypti (Scott). 17840

PARTICLE SIZE DETERMINATION

The statistical description of a spray in terms of drop velocity, size, and position.

18488 PARTURITION

The effect of intramammary infection during the

dry period on the milk production of the affected quarter at the start of the succeeding lactation.

PASTEURELLA MULTOCIDA

A method for evaluation of vaccines containing pasteurella multocida. 18380

PASTURE MANAGEMENT

A fern poisoning-like disease observed in an improved pasture.

Determination of cesium-137 and related sampling problems of dairy cattle feeds, 1962-1967. 18197

PATENTS

Herbicidal composition and method. Patent 3,407,056.

18471

Hetcrocyclically substituted 1,3,5-triazines. Patent 3,407,201. monohalogeno-

18490

Effects of watering frequency and saturation time on fine root necrosis of peach caused by Pythium spp. (Abstract).

Dispersal patterns of Monilinia laxa spores in peach, prune, apricot, and almond trees during early spring. (Abstract).

18435

PEANUTS

Effect of soil fungicides on development of fungi in soil and on kernels of groundnut.

Factors influencing aflatoxin accumulation in peanut kernels and the associated mycoflora.

Extent of Aspergillus flavus and Fusarium oxysporum germination in soil and in the rhizosphere of peanut. (Abstract).

18445

PEARLMILLET

Chromosomal alternations in pearl millet induced by gammarays. 18465

Permeability changes in pear fruits associated with pathogenesis by Erwinia amylovora. (Abstract).

PEAS

Comparative gibbercllin relationships in tall and dwarf peas (Pisum sativum L.).

Mechanism of increased root rot in virus-infected peas. 17950

នា

Permeability and excitation of insect muscle.

Laboratory tests of fungicides Peronospora parasitica (Pers. ex. Fr.) Fr.

17896

against

18433

sheep.

The effect of exposure to dieldrin on avoidance

response extinction and conditioned heart rate in

Water pollution. Effects of pollution biology.

18395 Water pollution. Effects of pollution on fish life.

18110

18095

PERMEABILITY

17966

PERONOSPORA PARASITICA

Number of zoospores of Aphanomyces euterches

required for infection on peas. (Abstract).

17951

Influence of nitrogen form on the incidence and severity of Aphanomyces root rot of peas. (Ab-

The role of cotton and bean seed exudate in pre-	PEST CONTROL	Tolerances and exemptions from tolerances for
emergence infection by Rhizoctonia solani. 17994 Calvasta and authorizinity studies of induced	Pesticides in the coming struggle for food. 17936	pesticide chemicals in or on raw agricultural commodities, alphanaphthaleneacetic acid. 18397
Cultural and pathogenicity studies of induced variants of bean and pea root rot Fusarium species.	Studies on the chemical control of rice blast caused by Piricularia oryzae Cav.	Tolerances and exemptions from tolerances for pesticide chemicals in or on raw agricultural
18078	The effect of polarising a start size of the	commodities. Ethyl 4,4'-Dichlorobenzilate.
Resistance of southern peas to the cowpea cur- culio.	The effect of polyploidy on plant virus replica- tion and control.	18399
18125	17991	Macroinvertebrates. Fresh water. 18402
Nutritional requirements of a tomato tissue cul-	Introduction to Bacillus thuringiensis and its	Toxic effects of odorous trace organics.
ture: Growth promoting factors from peas. 18478	uses. 18103	18417
PEAT	Alberta, 255,000 square miles, free of rats.	Notice of filing of petition regarding pesticide
The influence of an organic soil amendment on	18175	chemicals, kirk, j k. 18476
infectivity and reproduction of Tylenchulus semipenetrans on two citrus rootstocks.	Fumigation-an effective method of rat control in	Pesticides, their use and misuse.
18144	Kuttanad in Alleppey district (Kerala). 18176	18495
PECTIN TRANSELIMINASE	Organisation of anti-rat campaigns.	PETROBIA LATENS
Auxin effects on the activity of pectin- transeliminase in vitro.	18177	Further evaluation of acaricides for brown wheat mite control on winter wheat in Kansas, 1963-65.
18430	PESTICIDE APPLICATION	18091
PECTINOPHORA GOSSYPIELLA	Helicopter application of phytoactin to	PETROLATUM
A simplified field cage for trapping pink bull- worm adults.	whitebark pine. (Abstract).	Patch canker of Hevea brasiliensis caused by
17819	Further evaluation of acaricides for brown wheat	Phytophthora palmivora. 17967
New techniques to bioassay the sex attractant of	mite control on winter wheat in Kansas, 1963-65.	PHARYNX
pink bollworms with olfactometers. 17829	18091	The formation of the cuticular ridges in the larval
PEDICULUS IIUMANUS	Preventing fish and wildlife losses. 18385	pharynx of the blowfly (Calliphora vicina RD.). 17809
Studies on the biological properties of Tox-	PESTICIDE RESIDUES	PHASMATIDAE
oplasma gondii in the body of insects, using Pediculus humanus L, as test animals.	Preventing fish and wildlife losses.	Improvement of a method for culturing the eggs
17812	18385	of the Phasmid Carausius morosus Br, deprived of the chorion.
PENICILLIN	The effect of environmental and biological fac-	17894
A comparative study of cell wall glycopeptide structure of some bovine vibrios.	tors on the persistence of malathion applied in low volume technical and emulsifiable concen-	PHENOLS
18247	trate forms to cotton plants.	Characterization of bovine viral diarrhea viruses
Psittacosis-lymphogranuloma venereum agent	18386	by their interactions with susceptible host cells. 18243
isolated during an abortion epizootic in goats. 18286	Detoxification of pesticidal residues in fish and shellfish.	PHENYLALANINE
PENICILLIUM	18393	Physiological genetics of melanotic tumors in
Fungi in stored products.	Tolerances and exemptions from tolerances for	Drosophila melanogaster . V. Amino acid metabolism and tumor formation in the tu bw; st
PENTACHLORNITROBENZENE	pesticide chemicals in or on raw agricultural commodities. Diuron.	su-tu strain.
The suppression of actinomycetes by PCNB in	18396	17902
culture media used for enumerating soil bacteria.	Tolerances and exemptions from tolerances for	PHEOPHYTINS Constituents of the cotton bud. XIII. Further stu-
PEPEROMIA OBTUSIFOLIA	pesticide chemicals in or on raw agricultural	dies on a nonpolar feeding stimulant for the boll
Pathogenic and cultural variation in	commodities, alphanaphthaleneacetic acid. 18397	weevil. 18124
Phytophthora nicotianae var parasitica from	Tolcrances and exemptions from tolerances for	PHERMONES
greenhouse plants. 18064	pesticide chemicals in or on raw agricultural	Reproductive behavior of the potato tuberworm,
PEPPERMINT OIL	commodities. Trifluralin.	Phthorimaea operculella (Zeller), (Lepidoptera:
Pre-imaginal conditioning in Drosophila.	Tolerances and exemptions from tolerances for	Gelechiidae) and the effect of the chemosterilant metepa.
PERENNIAL PLANTS	pesticide chemicals in or on raw agricultural	17836
Herbaccous annual and perennial weeds.	commodities. Ethyl 4,4'-Dichlorobenzilate.	PHEROMONES
18174	Analytical problems: Mercury in the general en-	Field studies of sex attraction in the boll weevil. 17790
PERIPLANETA AMERICANA Influence of repellency on the efficacy of blatti-	vironment.	Difference in response of two strains of screw
cides. IV. Comparison of four cockroach species.	18408	worm flies to the male pheromone.
17814	Notice of filing of petition regarding pesticide chemicals, kirk, j k.	17823
Studies on insect (Periplaneta americana L.) phosphofructokinase.	18476	A sex pheromone from the citrus mealybug. 17828
17827	PESTICIDES	PHIGALIA TITEA
Electrical activity in insect nerve cell bodies.	Pesticides and pollution, SB959.0U4. 17863	Life history of the looper Phigalia titea in Vir-
17846 Permarbility and excitation of insect murch	Pesticides in the coming struggle for food.	ginia. 17889
Permeability and excitation of insect muscle. 17896	17936	PHLEBOTOMUS
PERITHECIA	Increasing the efficacy of fungicidal control of	Some observations on compulsory feeding of
Ecology and possible significance of Perithecia of Calonectria nivalis in the Pacific Northwest.	black pod rot of eacao incited by Phytophthora palmivora. (Abstract).	sandflies (Diptera, Phlebotominae) with the cul- ture of leptomonads.
17971	18041	17778
Effect of fungal estrogen F-2 on the production	Tests with insecticides for the control of resistant	PHORATE
of perithecia by Fusarium roseum Graminearum'. (Abstract).	Myzus persicae (Sulzer) on year-round chrysanthemums.	Loss of phorate from a granular formulation ap- plied in the soil.
	/	p 2

18442

Photoinhibitory function of the dorsal ocelli in

the phototactic reaction of the migratory locust

Studies of caste differentiation in Myrmica rubra

L. 9. Maternal environment and the caste bias of

PHOTOPERIODISM

Locusta migratoria L.

Notice of filing of petition regarding pesticide

Biological and ecological studies on Caloglyphus

mite (Acarinai Acaridae) associated with

idative phosphorylation in housefly mitochon-

The statistical description of a spray in terms of

Gas chromatographic detector for simultaneous

sensing of phosphorus and sulfur-containing

Parthenogenesis in gum emperor

Antheraea eucalypti (Scott).

drop velocity, size, and position.

compounds by flame photometry.

dria.

PHOTOGRAPHY

PHOTOMETRY

PHORESY

PHYTOPHTHORA MEGASPERMA

The effect of environment on sex determination

Hyperglyceamia induced by 5-hydroxytryptamin

Electron microscopic studies on the develop-

in Achatina fulica (gastropod mollusca).

ment of vecicular stomatitis virus

PHYTOPHTHORA DRECHSLERI

PHYTOPHTHORA INFESTANS

PHYTOPHTHORA MEGASPERMA

(Abstract).

sojae. (Abstract).

18136

18152

Auxotrophic mutants of Phytophthora species.

The relation of rainfall, relative humidity, and

temperature to late blight of potato in Sedes, Sin-

Mycelial growth and production of oospores as

affected by beta-sitosterol, and the germination

of oospores of Phytophthora megasperma var.

dos-Lahanokipi of Nomos Thessaloniki.

18432

17925

17979

in Heterodera rostochiensis.

	17791	ment of vestedial stomatitis virus.
HORTIOECA PHORASPOIDES	Ecological characteristics of the diapause of the	18236
Reproduction of some poorly known species of Blattaria.	Phytonome of the Luzerne Hypera variabilis.	Basic biological characteristics of mycoplasma. 18277
17765	(Col. Curculionidae).	A fluorescent micro-plaque assay for hog cholera
HOSPHATASES		virus. Localization of infection with homologous
Sub-units of acid phosphatase-1 in Drosophila	Field and laboratory studies on the ecology and morphology of Nabis americoferus Carayon and	antiserum.
melanogaster: Reversible dissociation in vitro.	its parasites in California.	18291
17862	17834	Studies on the replication of African horse-
HOSPHATES		sickness virus in two different cell line cultures.
Influence of micro-organisms on the distribution	Endogenous diurnal rhythm of pupation in a mosquito population.	18304
in roots of phosphate labelled with phosphorus-	17868	Biochemical and biophysical properties of
32.	Role of photoperiod, temperature, and injury in	canine distemper virus.
18424	induction and termination of the pupal diapause	18306
HOSPHINE	of Heliothis zea (Boddie).	Changes in protein and nucleic acid metabolism
Studies on hydrogen phosphide against the red	17877	in baby hamster kidney cells infected with foot-
flour beetle in a column of paddy.	The growth, development and control of com-	and-mouth disease virus.
18113	mon ragweed.	18308
HOSPHOLIPIDS	18160	Some factors affecting interferon production by
Lipids of Venezuelan equine encephalomyelitis	Growth, development and control of wild radish.	foot-andmouth disease virus in bovine tissue cul-
virus and their relationship to the lipids of the	18162	tures.
host.	Red light induction of gibbcrellin synthesis in	18316
18256	leaves.	Interference between modified and virulent
Effect of 3-indoleacetic acid on phospholipid	18468	strains of footand-mouth disease virus.
membrane components of Avena coleoptiles.	PHOTOSENSITIZATION	18317
18481	Photoinhibitory function of the dorsal ocelli in	PHYTOACTIN
HOSPHORIC ACID ESTERS	the phototactic reaction of the migratory locust	Helicopter application of phytoactin to
Comparative toxicity (Mammalia, Insecta,	Locusta migratoria L.	whitebark pine. (Ahstract).
Acarina) of recent S,S-dimethyl S-benzyl deriva-	17786	17958
tives substituted for tri- and tetrathiophosphoric	PHOTOTROPISM	Isolation, identification, purification, and biolog-
acids.	Photoinhibitory function of the dorsal ocelli in	ical properties of the antibiotic phytoactin. 18489
17800	the phototactic reaction of the migratory locust	
HOSPHORUS	Locusta migratoria L.	Chemistry and physiologic action of the an-
Tests with insecticides for the control of resistant	17786	tibiotic phytoactin.
Myzus persicae (Sulzer) on year-round	PHTHORIMAEA OPERCULELLA	
chrysanthemums.	Reproductive behavior of the potato tuberworm,	PHYTOALEXIN Phytoalexin production in corn resistant to Hel-
	Phthorimaea operculella (Zeller), (Lepidoptera: Gelechiidae) and the effect of the chemosterilant	minthosporium turcicum.
Effect of organo-Phosphorus insecticides on the	metepa.	18020
warm blooded animals and cure thereof. 18193	17836	PHYTOPATHOLOGY
	PHYLLACHORA MAYDIS	List of Phytopathological terms.
Mineral and endocrine interrelationships in renal calcification.	Preliminary studies on Phyllachora maydis af-	17932
taletteation.	fecting corn in Central America. (Abstract).	Annals of the Phytopathological Society of
	18054	Japan.
Phosphorus content during development of	PHYMATOTRICHUM OMNIVORUM	18044
Claviceps purpurea. 18454	Pectolytic enzyme production by Phy-	PHYTOPHTHORA
	matotrichum omnivorum. (Abstract).	A Phytophthora from subterranean clover roots
HOSPHORUS COMPOUNDS	18427	that attacks soybean and other legumes. (Ab-
Gas chromatographic detector for simultaneous sensing of phosphorus and sulfur-containing	PHYSIOLOGY	stract).
compounds by flame photometry.	Growth of arboviruses in monolayers from sub-	18004
18483	cultured mosquito embryo cells.	PHYTOPHTHORA CACTORUM
HOSPHORUS ISOTOPES	17870	The role of IAA in host reaction to different iso-
Food distribution within colonies of the Argen-	The effect of carbon source, carbon to nitrogen	lates of Phytophthora cactorum. (Abstract).
tine ant, Iridomyrmex humilis (Mayr).	ratios, and organic amendments on survival of	17955
17859	propagules of Verticillium albo-atrum in soil. 17921	PHYTOPHTHORA CAPSICI
Influence of micro-organisms on the distribution		Auxotrophic mutants of Phytophthora species.
in roots of phosphate labelled with phosphorus-	Relation of uredial and urediospore counts to epiphytotic development of wheat rusts and the	(Abstract). 18432
32.	value of the counts in predicting disease. (Ab-	
18424	stract).	PHYTOPHTHORA CINNAMONI Physiology of parmination of chlamydosporas of
HOSPHORYLATION	17962	Physiology of germination of chlamydospores of Phytophthora cinnamomi.
Mechanisms of inhibition and uncoupling of ox-	Serological diagnostic method without isolation	18463

of Erwinia amylovora culture from a diseased

Physiologic race changes in barley mildew 1964-

The effect of ultra-violet radiation on the inva-

sion, survival and fertility of larvae of Heterodera

The effect of amino acid antimetabolites on four

nematode species and their host plants.

Gamma irradiation of Heterodera schachtii.

plant.

rostochiensis.

17899

moth

17840

PHYTOPHTHORA PALMIVORA

PHY	TOPH	THORA	PALMIVORA	

Patch canker of Hevea brasiliensis caused by Phytophthora palmivora

17967

Increasing the efficacy of fungicidal control of black pod rot of cacao incited by Phytophthora palmivora. (Abstract).

18041

PHYTOPHTHORA PARASITICA NICOTIANAE Interaction of Meloidogyne javanica and

Phytophthora parasitica var nicotianae on Nicotiana tabacum (N. C. 95.' (Abstract).

and cultural variation in Phytophthora nicotianae var parasitica from greenhouse plants.

18064

PICEA GLAUCA

Successful tissue transplantation of auxin-dependeat tumours and some of its problems.

PICEA MARIANA

Factors affecting the infection of black spruce (Picea mariana Mill.) transplants by Cylindrocladium scoparium.

18056

PIGMENTS

Techniques of marking insects with micronized fluorescent dust with especial emphasis on marking millions of Lygus hesperus for dispersal stu-

PIGMENTS (INSECT)

On the tetrapyrrolic pigments, essential constituents of homochrome:coloration in Oedipoda coerulescens L. (Acridae, Orthoptera).

PINUS

The pathogenicity of secondary and tertiary basidiospores of Cronartium fusiforme.

18052

PINUS ALBICAULIS

Helicopter application of phytoactin to whitebark pine. (Abstract). 17958

PINUS BANKSIANA

Eastern dwarf mistletoe on jack pine in Manitoba. 17926

PINUS ECHINATA

Insects affecting seed production of Shortleaf pine in the Georgia piedmont.

PINUS ELLIOTTII Attack of the black turpentine beetle on roots of slash pines.

PINUS MONTICOLA

Comparative physiology of Pinus monticola Dougl. resistant and susceptible to Cronartium

ribicola J. C. Fisch. ex. Rabenh. 18000 Concentrations of solutes in blister rust infec-

tions of western white pine. (Abstract). 18030

PINUS PONDEROSA

Studies of the insect complex affecting seed production of ponderosa pine in California.

18101

17748

18118

PINUS RESINOSA

Two new hardwood hosts of Fomes annosus

17930

Red pine meedle structure.

18451

PINUS STROBUS

The relationships of ozone, Lophodermium pinastri and Pullularia pullulans to needle blight of Eastern white pine.

17972

PINUS TAEDA

Pathogenicity of some blue-stain fungi in the genus Ceratocystis. (Abstract).

17945

Genetic variation in susceptibility to fusiform rust in a wild population of loblolly pine. (Abstract).

PIPERONYL BUTOXIDE

Pyrethrins-piperonyl butoxide applied as a fog in an empty grain bin. 17897

PIRICULARIA ORYZAE

Studies on the chemical control of rice blast caused by Piricularia oryzae Cav.

PISUM SATIVUM

Comparative gibberellin relationships in tall and dwarf peas (Pisum sativum L.).

Effect of 3-indoleacetic acid on phospholipid membrane components of Avena coleoptiles.

Factors affecting the storage, excretion, and placental transfer of dieldrin in dairy cattle.

Placental pathology of experimentally-induced enzootic abortion in ewes.

Biology of vector-associated diseases in Vietnam. 17913

Duck plague.

18263

18300

PLANOCOCCUS CITRI

A sex pheromone from the citrus mealybug. 17828

18451

18472

18076

PLANT ANALYSIS

Fungistatic constituents in citrus varieties resistant to the mal-secco disease. 18046

PLANT ANATOMY

Red pine meedle structure.

PLANT BIOCHEMISTRY

Pectin methyl-trans-eliminase as the maceration factor of Sclerotinia fructigena and its significance in brown rot of apple. 17965

Fungistatic constituents in citrus varieties resistant to the mal-secco disease.

18046 The effect of species of Allium on soil bacteria in

relation to germination of sclerotia of Sclerotium cepivorum Berk.

Identification of Xanthomonas species by acrylamide-gel disc electrophoresis of soluble bacterial proteins. (Abstract).

Induction of floral hypersexuality in Iberis amara influenced (Cruciferes) 2.4dichlorophenoxyacetic acid.

18446 Location of unique sequences in tobacco mosaic

Amino acid-(phenylazo)-phenylderivatives. xX-III. investigation of the phytotoxic effect of the antipodes of alanine-and phenylalanine-4-(phenylazo)-phenylamides against various plant spe-

PLANT BREEDING

cies.

virus ribonucleic acid.

Genetics of reaction to Puccinia sorghi Schw. in ten corn inbred lines obtained from Africa and Europe. 17937

A second gene for resistance to Puccinia graminis f sp tritici in the Red Egyptian 2D wheat substitution line.

Genetics of reaction to Puccinia sorghi in ten corn inbred lines from Africa and Europe.

PLANT BUDDING

Constituents of the cotton bud. XIII. Further studies on a nonpolar feeding stimulant for the boll weevil.

PLANT CONTAMINATION

Comparative Cs-137 content of agricultural crops grown in a contaminated soil. 18389

PLANT CUTTINGS

Induced resistance to bacterial wilt in susceptible tobacco cuttings pretreated with avirulent mutants of Pseudomonas. (Abstract). 18029

PLANT DISEASE CONTROL

Stand loss of small grains in Florida.

18057

PLANT DISEASE FORECASTING

The relation of rainfall, relative humidity, and temperature to late blight of potato in Sedes, Sindos-Lahanokipi of Nomos Thessaloniki.

PLANT DISEASE RESISTANCE

Genetics of reaction to Puccinia sorghi Schw. in ten corn inbred lines obtained from Africa and Енгоре. 17937

Quantitative histology of Melampsora lini resistance in flax. (Abstract).

Carbohydrate distribution in grafted potato plants representing two types of resistance to

A mechanism of enhanced resistance to Cerato-

cystis ulmi in American elms treated with sodium trichlorophenylacetate.

Susceptibility of tomato varieties to Sclerotium

Effect of soil sterilization and soil type on apparent susceptibility of two muskmelon varieties to Fusarium oxysporum f. sp. melonis. (Ab-

stract). Effectiveness of specific genes and gene combinations in conferring resistance to races of

Xanthomonas malvacearum in Upland cotton. (Abstract). Seedling resistance to powdery mildew of Purdue

5752CI-7-5-1 wheat derived from Triticum timopheevi. (Abstract). 17987 Effect of moderate adult resistance on penetra-

tion, hyphal growth rates, and urediospore production by crown rust of oats. (Abstract). 17995

Comparative physiology of Pinus monticola Dougl. resistant and susceptible to Cronartium ribicola J. C. Fisch. ex. Rabenh.

Genetic variation in susceptibility to fusiform rust in a wild population of loblolly pine. (Ab-

stract).

Relationships among races of Pyricularia oryzae. (Abstract. 18016

A second gene for resistance to Puccinia graminis f sp tritici in the Red Egyptian 2D wheat

substitution line. Resistance breakdown in maize to maize dwarf

mosaic virus after treatment with atrazine. (Abstract). Induced resistance to bacterial wilt in susceptible

tobacco cuttings pretreated with avirulent mutants of Pseudomonas. (Abstract).

A study on auxin and chlorogenic acid in leaf-roll resistant and susceptible potato varieties.

PLANT HORMONES

Fungistatic	constituents	in	citrus	varicties	re-
sistant to the	e mal-secco d	isea	ise.		016

Cytokinin effect of benzyladenine: Increase of nucleic acid and protein synthesis in bean leaves

Tolerance to barley yellow dwarf in winter oats.

Preliminary studies on Phyllachora maydis affecting corn in Central America. (Abstract)

18054

Alterations in the auxin levels of resistant and susceptible hosts induced by the curly top virus 18066

Genetics of reaction to Puccinia sorghi in ten corn inbred lines from Africa and Europc. 18076

The yield of potatoes resistant to Heterodera rostochiensis on infested land.

18140

PLANT DISEASE TRANSMISSION

Ascospore production, discharge and infection by Glomerella cingulata causing coffee berry dis-

17999

The presence of tristeza virus in certain species of citrus in Cyprus.

18042

PLANT DISEASES

Method for estimating intensity of the little leaf disease of brinjal (Solanum melongena).

17917

Selective staining of dead cells in bean leaves injured by ozone.

List of Phytopathological terms.

17932

Premature death of adult rusted wheat plants in relation to carbon dioxide evolution by root systems.

Effect of Xanthomonas vesicatoria on loss of electrolytes from leaves of Capsicum annuum.

Chemical control of scab and anthracnose on susceptible varieties of Citrus in Florida. (Ab-

stract).

Systemic-chemical paints for the control of Cytospora canker disease in prune trees.

17996

Interceptions of plant diseases through the port of Bombay.

Role of nitrogen in wood deterioration. VI. Mycelial fractions and model nitrogen compounds as substrates for growth of Polyporus versicolor and other wood-destroying and wood-inhabiting fungi.

Influence of nitrogen nutrition on Fusarium root rot of pinto bean and on its suppression by barley straw.

18028

Effect of control programs on development of epidemics of Dutch elm disease. (Abstract).

Some additions to the species of Cercospora from West Pakistan.

Reproduction of the coconut lethal yellowing syndrome by mechanical inoculation of young seedlings.

18049

A leaf blight of corn (Zea mays) incited by Fusarium moniliforme. (Abstract).

The frequency of penetration of epidermal strips and intact wheat leaves by Puccinia graminis f. sp. tritici.

18060

and Pathogenic cultural variation Phytophthora nicotianae var parasitica from greenhouse plants.

18064

Cultural and pathogenicity studies of induced variants of bean and pea root rot Fusarium spe-

Physiologic race changes in barlcy mildew 1964-67

18130

Thread worms in the rhizosphere of the normal cotton and of that infected with the verticillous cotton wilt.

18149

Influence of micro-organisms on the distribution in roots of phosphate labelled with phosphorus-

PLANT DISSEMINATION

On the dispersal of the bulbs of Oxalis cernua Thunb. by mole-rats (Spalax ehrenbergi Nehring). 18163

PLANT ECOLOGY

Desert grassland mesquite and fire.

17919

Thread worms in the rhizosphere of the normal cotton and of that infected with the verticillous cotton wilt.

18149

Metabolism of amitrole (3-amino-1,2,4-triazole) in relation to the differential susceptibility of Cirsium arvense (L.) scop. ecotypes. 18474

production Pectolytic enzyme by Phymatotrichum omnivorum. (Abstract). 18427

PLANT EXTRACTS

PLANT ENZYMES

Effect of seed extract of Trifolium subterraneum on germination and seedling growth rate.

A bioassay technique for screening feeding stimulants for larvae of tobacco budworm.

18096

Resistance in bermudagrass to the fall armyworm.

Constituents of the cotton bud. XIII. Further stu-

dies on a nonpolar feeding stimulant for the boll weevil.

The effect of species of Allium on soil bacteria in relation to germination of sclerotia of Sclerotium cepivorum Berk.

Disc electrophoresis of sonic extracts of five

phytopathogenic bacteria. (Abstract). 18444

Auxin-induced elimination of a protein in bean hypocotyl.

PLANT GALLS

Effect of temperature and variety on nematode development and gall production on soybeans infected with Meloidogyne incognita acrita. (Abstract).

PLANT GENETICS

Mitotic recombination in conidiophores of verticillium alboatrum.

17922

Genetics of reaction to Puccinia sorghi Schw. in ten corn inbred lines obtained from Africa and Europe.

17937

Phytoalexin production in corn resistant to Helminthosporium turcicum.

second gene for resistance to Puccinia graminis f sp tritici in the Red Egyptian 2D wheat substitution line.

18024

Genetics of reaction to Puccinia sorghi in ten corn inbred lines from Africa and Europc. 18076

Lack of cytoplasmic inheritance of alfalfa resistance to the spotted alfalfa aphid.

Chromosomal alternations in pearl millet induced by gammarays. 18465

PLANT GRAFTING

Successful tissue transplantation of auxin-dependent tumours and some of its problems.

Carbohydrate distribution in grafted potato plants representing two types of resistance to virus X. 17948

PLANT GROWTH INHIBITORS

Effect of seed extract of Trifolium subterraneum on germination and scedling growth rate.

The influence of plant-growth substances and their inhibitors on the host-parasite relationships of Aphelenchoides ritzemabosi in culture.

18155

Manganese toxicity in celery.

18413

Auxin effects on the activity of pectintranseliminase in vitro.

12000

PLANT HARDINESS

Tolerance to barley yellow dwarf in winter oats. 18050

Residues of diazinon in carrots after treatment against cyclodiene-resistant carrot rust fly.

Lack of cytoplasmic inheritance of alfalfa resistance to the spotted alfalfa aphid.

Resistance in bermudagrass to the fall ar-

myworm. 18104 Resistance of southern peas to the cowpea cur-

Control of endo- and ecto-parasitic nematodes in turf by hot-water treatments. 18139

Insecticide residues in pest control.

18401 Survival and growth of Fomes annosus at high concentrations of borax. (Abstract).

Metabolism of amitrole (3-amino-1,2,4-triazole) in relation to the differential susceptibility of Cirsium arvense (L.) scop. ecotypes.

18474

PLANT HORMONES

Experiments and considerations on the anomolies of tomatoes of the super marmande type in hot houses, connections with the use of some plant hormones.

17933

Successful tissue transplantation of auxin-dependent tumours and some of its problems. Auxin and crown gall tumor initiation. (Ab-

stract). 18023 A study on auxin and chlorogenic acid in leaf-roll

18032 Alterations in the auxin levels of resistant and susceptible hosts induced by the curly top virus 18066

resistant and susceptible potato varieties.

Interaction of growth regulators in the senescence of nasturtium leaf disks.

18426 Auxin effects on the activity of pectin-

transeliminase in vitro. 18430

buds of Cirsium arvense scop.

The effect of hormonal herbicides on the radical

Plant hormones-V. Thin-layer and gas-liquid chromatography of the gibberellins; direct indentification of the gibberellins in a crude plant extract by gas-liquid chromatography.

PLANT INJURIES

PLANT INJURIES Black vine weevil larval damage to concord grape roots at different population densities. 18088
Cercal leaf miner in the South-east Region.
Effects of early-, mid-, and late-season infesta- tions of two-spotted spider mites on the yield of cotton
18094 Oviposition preferences of western corn root-worms for various soil surface conditions.
18100 Attempts at combatting oystershell scale, Lepidosaphes ulmi (L.),on appletrees in
orchards of Quebec. 18109 A medium for laboratory rearing of the peach
tree and lesser peach tree borers.
Resistance of southern peas to the cowpea cur- culio. 18125
Injury to Heterodera tabacum by high soil temperatures. (Abstract).
The host-parasite relations and ecology of Trichodorus viruliferus on apple roots, as observed from an underground laboratory.
The relationships between population increase and population density in plant parasitic ne-
matodes. 18148
Preplanting treatments for weed control in Connecticut shadegrown tobacco. 18157
Evaluation of weed control treatments in field grown tobacco.
18158 Weeds in agronomic crops. Field corn, soybeans. 18159
Ornamentals.
Wound-induced gibberellins. 18467
PLANT METABOLISM Comparative gibberellin relationships in tall and dwarf peas (Pisum sativum L.). 17916
An arylsulfatase in the wood rotting basidio- myeete, Fomes geotropus.
18035 Cytokinin effect of benzyladenine: Increase of nucleic acid and protein synthesis in bean leaves.
18048 Chemical control of nutsedge (Cyperus rotundus L.) and the metabolism of 3,6-dichloro-O-anisic
acid (dicamba). 18169 Auxin effects on the activity of peetin-
transcliminase in vitro. 18430 Effect of defoliants on earbohydrate and
nitrogen metabolism in cotten plant leaves. 18448 A biochemical role for boron.
18456 Metabolism of amitrole (3-amino-1,2,4-triazole)
in relation to the differential susceptibility of Cir- sium arvense (L.) scop. ecotypes.
18474

Ascospore production, discharge and infection by Glomerella cingulata causing coffee berry dis-17999

Cytomorphological features of TMV-INFECTED tobacco callus cells in tissue culture. 18063

Induction of floral hypersexuality in Iberis amara (Cruciferes) influenced by 2.4diehlorophenoxyaeetic acid. 18446

Stromatal rind formation in the brown rot fungi 18477

PLANT MUTATION

Chromosomal alternations in pearl millet induced by gammarays.

PLANT NEMATODES

The influence of crop-rotation on the attack of earrots by Meldidogyne hapla Chitw. and symptom formation.

Effects of nematode extraction method, soil mixture, and nematode numbers on the transmission of tobacco ringspot virus by Xiphinema americanum. 18070

The increased attack of Ditylenchus dipsaci on onion caused by some fungicides. 18132

The yield of potatoes resistant to Heterodera rostochiensis on infested land. 18140

Electron microscope studies of some eephalic structures of Xiphinema americanum.

The host-parasite relations and eeology of Triehodorus viruliferus on apple roots, as observed from an underground laboratory.

The effect of amino acid antimetabolites on four nematode species and their host plants. 18146

The relationships between population increase and population density in plant parasitic ne-

Parasitism of Tylenchus emarginatus on conifer seedling roots and some observations on the biology of the nematode.

Evaluation of some taxonomic indices in the potato rot nematode Ditylenchus destructor Thorne, 1945.

Gamma irradiation of Heterodera schachtii.

18152

Plant-parasitic nematodes in grape and raspberry soils of Ontario and a comparison of extraction techniques.

18153

The effect of environment on sex determination in Heterodera rostochiensis. 18154

The influence of plant-growth substances and their inhibitors on the host-parasite relationships of Aphelenchoides ritzemabosi in culture. 18155

PLANT NUTRITION

matodes.

Nutritional requirements of a tomato tissue culture: Growth promoting factors from peas.

PLANT NUTRITIONAL DEFICIENCIES

Relation of boron to cherry rosette disease in Oregon, and the possible implication of a virus. 17954

The effect of decomposing organic matter on zinc level in soil and plants. 18061

PLANT PEST CONTROL

Peculiarities of development and harmful activity of the Hessian fly (Mayetiola destructor Say.) under conditions of irrigation.

Effect of variety and fumigation on nematode populations in oats, wheat, and rye. 18147

PLANT PEST RESISTANCE

Phytoalexin production in corn resistant to Helminthosporium turcicum. 18020

PLANT PHYSIOLOGY

Comparative gibberellin relationships in tall and dwarf peas (Pisum sativum L.). 17916 Effect of seed extract of Trifolium subterraneum on germination and seedling growth rate.

Development of parthenocarpie and non-parthenocarpic syeonia of Ficus carica L. ev. King in relation to endogenous and exogenous

The impact of fungi on man, OK603.0 T3. 17934

growth regulators.

Successful tissue transplantation of auxin-dependent tumours and some of its problems.

Mechanism of increased root rot in virus-infected peas.

Effect of Xanthomonas vesicatoria on loss of electrolytes from leaves of Capsicum annuum. 17970

17950

Effect of Uromyces phaseoli on the water relations of primary bean leaves. (Abstract).

Mycelial growth and production of oospores as affected by beta-sitosterol, and the germination of oospores of Phytophthora megasperma var. sojac. (Abstract). 17979

Investigations of the mechanism of the necrotic response of Nicotiana tabacum L. var. Samsun NN to infection with tobacco mosaic virus.

Effects of barley stripe mosaic virus infection on

The development of Albugo candida-induced

'green islands' on Brassica juncea eotyledons.

The role of cotton and bean seed exudate in preemergence infection by Rhizoctonia solani.

Effect of moderate adult resistance on penetration, hyphal growth rates, and urediosporc production by erown rust of oats. (Abstract)

Comparative physiology of Pinus monticola Dougl. resistant and susceptible to Cronartium

ribicola J. C. Fisch. ex. Rabenh. 18000

Races of Puccinia polysora in Nigeria.

18015 Cytokinin effect of benzyladenine: Increase of nucleie acid and protein synthesis in bean leaves

Effect of MCPA on lettuce pre-inoculated with lettuce mosaie virus.

On light-sensitivity in germinating uredospores

of wheat brown rust. 18080

Systematic insecticide seed treatment tests on soybeans, bowling, c e.

The Columbian timber beetle, Corthylus columbianus (Coleoptera: Scolytidae). VIII. Artifacts and characteristics of the host tree.

The influence of plant-growth substances and their inhibitors on the host-parasite relationships

of Aphelenchoides ritzemabosi in culture. 18155

Ornamentals. 18164

Manganese toxicity in celery.

Effects of plant growth regulators and other compounds on flow of latex in Hevea brasiliensis 18421

Effect of culture filtrates of Pseudomonas phaseolicola on the growth of excised roots and

callus tissue cultures of bean. (Abstract). 18422

The selectivity and activity of s-triazine herbicides in banana plants. 18423

PLEUROPNEUMONIA

18008

17762

18264

Effect of thiram upon glucose catabolism by Fusarium oxysporum. (Abstract).	Metabolism of amitrole (3-amino-1,2,4-triazole) in relation to the differential susceptibility of Cirsium arvense (L.) scop. ecotypes.	Nutritional requirements of a tomato tissue cul- ture: Growth promoting factors from peas. 18478
Interaction of growth regulators in the	18474	PLANT REPRODUCTION
Interaction of growth regulators in the senescence of nasturtium leaf disks. 18426	Stromatal rind formation in the brown rot fungi. 18477	The effect of carbon source, carbon to nitrogen
		ratios, and organic amendments on survival of
Pectolytic enzyme production by Phymatotrichum omnivorum. (Abstract).	Nutritional requirements of a tomato tissue cul- ture: Growth promoting factors from peas.	propagules of Verticillium albo-atrum in soil. 17921
18427	18478	Induction of floral hypersexuality in Iberis amara
Germination of Fomes applanatus basidiospores. (Abstract).	PLANT PROTECTION Pesticides in the coming struggle for food.	 L. (Cruciferes) influenced by 2,4- dichlorophenoxyacetic acid.
18429	17936	18446
		PLANT TEMPERATURE
Effect of anacrobiosis on germination and via-	Abstracts of papers accepted for presentation at	
bility of Rhizopus stolonifer sporangiospores. (Abstract).	the sixtieth annual meeting of The American Phytopathological Society, Columbus, Ohio, 2-6	Desert grassland mesquite and fire. 17919
18431	September 1968.	The summer biology of Puccinia striiformis in
Auxotrophic mutants of Phytophthora species. (Abstract).	17938 Evaluation of systemic fungicides and insecti-	southeastern Washington. I. Induction of infec- tion during the summer.
18432	cides for the control of cotton boll rot in vitro.	18072
Plant growth regulations in Ditylenchus dipsaci,	(Abstract).	DI ANT TRANCIOCATION
Ditylenchus triformis and host tissues.	17943	PLANT TRANSLOCATION
18437		Permeability changes in pear fruits associated
	Effect of control programs on development of	with pathogenesis by Erwinia amylovora. (Ab-
Characteristics of a seasonal population of air-	epidemics of Dutch elm disease. (Abstract).	stract).
borne Fomes fomentarius basidiospores. (Ab-	18034	17961
stract).	Insect pests of Nigerian crops.	Loss of phorate from a granular formulation ap-
18438	18105	plied in the soil.
Effect of fungal estrogen F-2 on the production		18110
of perithecia by Fusarium roseum	Improved technique to control shot hole borers and bark beetles.	
Graminearum'. (Abstract).	18106	The selectivity and activity of s-triazine herbi-
18442		cides in banana plants.
	Attempts at combatting oystershell scale,	18423
Extent of Aspergillus flavus and Fusarium ox- ysporum germination in soil and in the rhizo-	Lepidosaphes ulmi (L.),on appletrees in orchards of Quebec.	Influence of micro-organisms on the distribution in roots of phosphate labelled with phosphorus
sphere of peanut. (Abstract).	18109	32.
18445	Control of mustard aphid (Lipaphis erysimi	18424
Electron microscopic studies of the nervous	Kalt.) by systemic insecticides.	Inorganic composition and microscopy of citrus
system of Trichodorus christiei (Abstract). 18447	18115	roots grown under several copper and soil
Survival and growth of Fomes annosus at high	Attempted cultivation of nematode cells. (Ab-	amendment conditions.
concentrations of borax. (Abstract).	stract).	18428
18450	18133	Active uptake of Helminthosporium carbonum
	The effect of hormonal herbicides on the radical	toxin and its effect on CO2 dark fixation by corn.
Red pine meedle structure.	buds of Cirsium arvense scop.	(Abstract).
18451	18480	18453
Teliospore germination of Puccinia recondita f.	PLANT QUARANTINE	Metabolism of amitrole (3-amino-1,2,4-triazole)
sp. tritici (Abstract).	Interceptions of plant diseases through the port	in relation to the differential susceptibility of Cir-
18452	of Bombay.	sium arvense (L.) scop. ecotypes.
Active uptake of Helminthosporium carbonum	18014	18474
toxin and its effect on CO2 dark fixation by corn.	PLANT REGULATORS	Effect of 3-indoleacetic acid on phospholipid
(Abstract). 18453	Development of parthenocarpic and non-	membrane components of Avena coleoptiles.
	parthenocarpic syconia of Ficus carica L. cv.	18481
Sporulation of Cephalosporium gregatum on	King in relation to endogenous and exogenous	PLANT WATER RELATIONS
naturally infested soybean straw. (Abstract).	growth regulators.	Effects of watering frequency and saturation
18455	17927	time on fine root necrosis of peach caused by
Electron micrographs of Rhizopus stolonifer	Experiments and considerations on the anomo-	Pythium spp. (Abstract).
sporanciospores subjected to chilling. (Ab-	lies of tomatoes of the super marmande type in	17952
stract).	hot houses, connections with the use of some	
18458	plant hormones.	Effect of Uromyces phaseoli on the water rela-
Oxalate biosynthesis and pathways for glucose	17933	tions of primary bean leaves. (Abstract).
catabolism in Sclerotium rolfsii Sacc.	A mechanism of enhanced resistance to Cerato-	17977
18459	cystis ulmi in American elms treated with sodium	PLANTING
	trichlorophenylacetate.	Western corn rootworm egg distribution and
Oxalic acid biosynthesis by Sclerotium rolfsii.	17956	adult emergence under two corn tillage systems.
(Abstract).		18111
18460	Alterations in the auxin levels of resistant and	PLANTS
Temperature effects on Pleurotus ostreatus	susceptible hosts induced by the curly top virus.	Loss of phorate from a granular formulation ap-
spore production (Abstract).	18066	plied in the soil.
18461	Tolerances and exemptions from tolerances for	piled in the soil.
A physiologic-genetic study of the differential	pesticide chemicals in or on raw agricultural	
response of navy beans (Phaseolus vulgaris L.) to	commodities, alphanaphthaleneacetic acid.	Insecticide residues in pest control.
zinc.	18397	18401
18466	Effects of plant growth regulators and other	Stomatal movements; a yearly rhythm.
	compounds on flow of latex in Hevea brasiliensis.	18473
Auxin-induced elimination of a protein in bean	18421	
hypocotyl.		PLASMODIOPHORA BRASSICAE
18470	Interaction of growth regulators in the	Isolation and properties of Plasmodiophora bras-
Herbicidal composition and method. Patent	senescence of nasturtium leaf disks.	sicae plasmodia from infected crucifer tissues
3.407.056.	18426	and tissue culture callus. (Abstract).

Plant growth regulations in Ditylenchus dipsaci,

Auxin-induced elimination of a protein in bean

Herbicidal composition and method. Patent

PLATYPODIDAE

platypodidae).

PLEUROPNEUMONIA

Information concerning the African bark and nut

beetles fauna (Coleoptera scolytidae and

Mycoplasmas: their role in bovine disease.

18437

18470

18471

Ditylenchus triformis and host tissues.

hypocotyl.

3,407,056.

18472

18473

Amino acid-(phenylazo)-phenylderivatives. xX-III. investigation of the phytotoxic effect of the antipodes of alanine-and phenylalanine-4-(phenylazo)-phenylamides against various plant species.

Stomatal movements; a yearly rhythm.

PLEUROTUS OSTREATUS

PLEUROTUS OSTREAT			
Temperature effects	оп	Pleurotus	ostreatus
spore production (Abst	tract).	

18461

PLODIA INTERPUNCTELLA

Chambers for collecting and observing single pupae of three stored-product moths.

17883

Systemic-chemical paints for the control of Cytospora canker disease in prune trees.

18225

PNEUMONIA

Properties of Aujeszky's disease virus strains isolated from swine pncumonia cases. 18215

Coryncbacterium equi infection in two foals.

Pneumonia of sheep in Kenya. II. Pathology of chronic progressive pneumonia. 18338

Low light intensity promotes melting out of bluegrass. (Abstract). 18026

POA ANNUA

Transmission of a leafhopper-borne virus from naturally infected Poa annua in Czechoslovakia. 18039

POA PRATENSIS

The barley root-knot nematode in Illinois.

PODOSPHAERA LEUCOTRICHA

Effect of temperature on germination of Podosphaera lcucotricha conidia. (Abstract). 18436

POISONING

Treatment for poisoning by slug bait.

18187

18135

Strychnine levels in tissues and stomach contents of poisoned dogs: An eleven year survey 18254

Swedish studies of game that had been found dead as well as specimens that had been shot. 18411

Toxic blue-green algae in Saskatchewan. 18414

The toxicology of different organo-mercurials used as fungicides. 18418

POISONOUS FUNGI

Phosphorus content during development of Claviceps purpurea.

18454

18261

18465

POISONOUS PLANTS

A fern poisoning-like disease observed in an improved pasture.

POLIOMYELITIS

Helminths as vehicles and synergists of microbial infections.

18376 Chromosomal alternations in pearl millet in-

duced by gammarays.

POLLINATION

The foraging behavior of honeybees (Apis mellifera) and bumblebees (Bombus Spp.) on blackcurrant (Ribes nigrum), raspberry (Rubus idaeus) and strawberry (Fragaria x ananassa) flowers.

POLYETHYLENE.

Notes on microanalytical techniques in the analysis of foods for extraneous materials.

Aluminum foil and white polyethylene mulches to repel aphids and control watermelon mosaic 18083

POLYHEDROSES

Investigations on the Heliothis nuclear polyhedrosis virus and its development as a biological control agent. 17779

A study of the nuclear polyhedrosis virus on the beet armyworm, Spodoptera exigua (Hubner), with emphasis on stability, pathogenicity and histopathology.

POLYMORPHISM

Electrophoretic variation of proteinase in the digestive juice of the silkworm, Bombyx mori L. 17815

POLYPLOIDY

Tetraploid females in the hymenopteron, Mormoniella. 17906

The effect of polyploidy on plant virus replication and control.

POLYPORUS VERSICOLOR

Role of nitrogen in wood deterioration. VI. Mycelial fractions and model nitrogen compounds as substrates for growth of Polyporus versicolor and other wood-destroying and wood-inhabiting fungi.

17882

17991

17837

POPULATION

Studies on selection in natural and experimental populations of Drosophila pseudoobscura.

Alate aphid species captured in yellow pans 17806

Effect of the chemosterilant metepa on the housefly, Musca domestica L.

A red dye to evaluate bait formulations and to mass mark field populations of boll weevils.

17856 Influence of population level and trap spacing on capture of tobacco hor-worm moths in blacklight

traps with virgin females. 17861 Endogenous diurnal rhythm of pupation in a mosquito population.

17868 A possible marker for curopean corn borer moths.

Techniques of marking insects with micronized fluorescent dust with especial emphasis on marking millions of Lygus hesperus for dispersal stu-

Studies of the cpidemiology of arthropod-borne virus infections at Mitchell River Mission, Cape York Peninsula, north Queensland. II. Arbovirus

infections of mosquitoes, man, and domestic fowls, 1963-1966. 17910

Studies of the epidemiology of arthropod-borne virus infections at Mitchell River mission, Cape York Peninsula, north Queensland. I. Mosquito collections, 1963-1966.

Prevalence of Thielaviopsis basicola in naturally infested soil after cultivation of various crops for five consecutive years. (Abstract).

Control of the birch leaf minor with disulfoton.

Effects on populations of corn rootworms of aldrin residues in soil four years after application. 18087

Black vinc weevil larval damage to concord grape roots at different population densities. 18088

Studies on a biological and a chemical method of controlling the dark rice field mosquito in Loui-18090

Further evaluation of acaricides for brown wheat mite control on winter wheat in Kansas, 1963-65. 18091

Egg distribution as a factor in suppressing the green peach aphid by pruning. 18122 The Columbian timber bectle, Corthylus columbianus (Coleoptera: Scolytidae). VIII. Artifacts and characteristics of the host tree.

18349

18351

18364

17784

The relationships between population increase and population density in plant parasitic nematodes.

Horn fly control with coumaphos.

Resistance of cattle to the tick Boophilus microplus (Cancstrini). II. Stages of the life cycle of the parasite against which resistance is manifest.

Quantitative studies on the kinetics of establishment and expulsion of intestinal nematode populations in susceptible and immune hosts. Nippostrongylus brasiliensis in the rat.

POPULATION STATISTICS

The foraging behavior of honcybees (Apis mcllifera) and bumblebees (Bombus Spp.) on blackcurrant (Ribes nigrum), raspberry (Rubus idaeus) and strawberry (Fragaria x ananassa) flowers. 17732

Spider populations in grain sorghums.

The effect of carbon source, carbon to nitrogen ratios, and organic amendments on survival of propagules of Verticillium albo-atrum in soil.

Pesticides in the coming struggle for food.

17936 Anthocoris melanocerus as a predator of the green peach aphid on sugar beets and broccoli.

Factors influencing the population fluctuation of

Pratylenchus penetrans in soil. III. Host plant species. 18156

Organisation of anti-rat campaigns.

Isolation and characterization of three plaquetype clones of the hickman strain of newcastle disease virus.

Characteristics of a seasonal population of airborne Fomes fomentarius basidiospores. (Abstract). 18438

POPULUS

Chemical treatment of Hypoxylon cankers on aspen. (Abstract). 17959

POPULUS ALBA

Occurrence of poplar cankers caused by Fusarium solani in Iowa. 17975

POPULUS DELTOIDES

Occurrence of poplar cankers caused by Fusarium solani in lowa.

Susceptibility of weakened cottonwood stems to fungi associated with blackstem. 18055

POPULUS GRANDIDENTATA

Occurrence of poplar cankers caused by Fusarium solani in Iowa. 17975

POPULUS TRICHOCARPA

Susceptibility of weakened cottonwood stems to fungi associated with blackstem. 18055

PORTULACA OLERACEA

Herbaceous annual and perennial weeds. 18174

POTASSIUM

Permeability and excitation of insect muscle.

17896

POTASSIUM PHOSPHATE

Reducing spring discharge of Venturia inaequalis ascospores by composting overwintering leaves 17929

Plant-parasitic nematodes in grape and raspberry

soils of Ontario and a comparison of extraction

POTATOES

Carbohydrate distribution in grafted potato plants representing two types of resistance to virus X.

PSEUDOMONAS AERUGINOSA

PROSTHOGONIMUS PUTSCHKOWSKII

On the Metacercaria of Prosthogonimus

plants representing two types of resistance to virus X.	techniques. 18153	putschkowskii in Sympetrum decoloratum (Odonata: insecta) with observations on its
17948	Factors influencing the population fluctuation of	development in chicks.
Distribution in Ontario of Verticillium strains causing wilt of potatoes.	Pratylenchus penetrans in soil. III. Host plant species.	PROTEIN SYNTHESIS
17963	18156	Nucleoprotein synthesis during metamorphosis
Potato spindle tuber virus: in situ sensitivity of	PREDACEOUS INSECTS	in Drosophila virilis. 17872
the infectious agent to ribonuclease. (Abstract).	Hemiptera associated with pig carrion. 17764	PROTEINASES
Effect of variety on the control of potato late	Bionomics, enemies and population dynamics of	Electrophoretic variation of proteinase in the
blight with fungicides. (Abstract).	Javesella pellucida (F.) (Hom., Delphacidae).	digestive juice of the silkworm, Bombyx mori L. 17815
A study on auxin and chlorogenic acid in leaf-roll	Anthocoris melanocerus as a predator of the	Enzymatic hydrolysis of the encysted
resistant and susceptible potato varieties.	green peach aphid on sugar beets and broccoli.	parasporale of Bacillus thuringiensis by Bombyx
Cross protection between a plant virus and	18121	mori L. proteascs.
potato psyllid yellows.	PREGNANCY Retraction of the claim that host pregnancy af-	PROTEINS
18067	fects pupal production by the tsetse fly.	Effects of juvenile hormone on protein synthesis
The influence of crop-rotation on the attack of carrots by Meldidogyne hapla Chitw. and symp-	17867	during the metamorphosis of the polyphemus silkmoth.
tom formation.	Effects of attenuated hog cholera virus in pregnant swine at various stages of gestation.	17788
Isolation and electron microscopy of potato	18230	Accumulation of glycine in the fat body of the silkworm, Bombyx mori L.
leafroll virus from plants.	PREVENTIVE MEDICINE Improved technique to control shot hole borers	17803
18102	and bark beetles.	Results concerning humoral immunity of Pyrr-
The effect of ultra-violet radiation on the inva- sion, survival and fertility of larvae of Heterodera	18106	hocoris apterus I. and Galleria mellonella F. 17842
rostochiensis.	PRISTIPHORA ERICHSONII Larch sawfly survival in relation to water levels	Some aspects of isolevcine metabolism in the yel-
The yield of potatoes resistant to Heterodera	and microtopography in tamarak bogs.	low fever mosquito, Aedes aegypti (L.).
rostochiensis on infested land.	17839	High-temperature-induced insoluble coat
18140	PRODENIA ORNITHOGALLI Sex ratio in pupae of the yellow-striped ar-	protein in tobacco mosaic virus (TMV) -infected
The effect of environment on sex determination in Heterodera rostochiensis.	myworm.	plants. (Abstract).
18154	PRODROME 17789	Protein and enzyme changes in wheat leaves fol-
Factors influencing the population fluctuation of Pratylenchus penetrans in soil. III. Host plant	A prodrome of the genus Orthopodomyia (Dip-	lowing infection with Puccinia recondita.
species.	tera, Culicidae).	18005 Cytochrome oxidase and mitochondrial protein
Wound-induced gibberellins.	PRODUCTIVITY	in extracts of leaves of Nicotiana glutinosa L. In-
18467	The experimental production of a formalin-killed	fected with tobacco mosaic virus. 18045
OTENTIOMETRY	Japanese encephalitis virus vaccine from porcine kidney cell cultures.	Cytokinin effect of benzyladenine: Increase of
Mechanical and electrical activity in the indirect flight muscles of the honey bee.	18260	nucleic acid and protein synthesis in bean leaves. 18048
17820	PROGESTERONE Levels of 5 beta-pregnan-3 alpha, 6 alpha-diol-	Does the agent of scrapic replicate without
OULARD WHEAT A second gene for resistance to Puccinia	20-one in urine and its relationship to other	nucleic acid.
graminis f sp tritici in the Red Egyptian 2D wheat	metabolites of progestrone in urine of the non- pregnant domestic sow.	18205
substitution line. 18024	18189	Identification of Xanthomonas species by acryla- mide-gel disc electrophoresis of soluble bacterial
OULTRY	Comparison of metabolites of progesterone-4-	proteins. (Abstract).
Bacteriological studies of poultry litter fed to livestock.	14C in urine from a nonpregnant domestic sow. 18190	18439 Location of unique sequences in tobacco mosaic
18203	Response of beef cows to exogenous	virus ribonucleic acid.
Some nutritional aspects of dietary magnesium in	progesterone and estradiol at various stages post- partum.	18457
ruminants and poultry. 18227	18192	Auxin-induced climination of a protein in bean hypocotyl.
Lipids of Venezuelan equine encephalomyelitis	Cystic ovarian disease in dairy cattle: With spe-	18470
virus and their relationship to the lipids of the host.	cial reference to its treatment using a combina- tion of Chorionic gonadotrophin and	PRUNES Dispersal patterns of Monilinia laxa spores in
18256	progesterone.	peach, prune, apricot, and almond trees during
Serological tests for the detection of antibodies	PROPERTIES 18200	early spring. (Abstract).
to Mycoplasma gallisepticum in chickens and turkeys.	Isolation and properties of Plasmodiophora bras-	PRUNING
18266	sicae plasmodia from infected crucifer tissues and tissue culture callus. (Abstract).	Egg distribution as a factor in suppressing the
Histopathological aids to the diagnosis of certain poultry diseases.	18008	green peach aphid by pruning. 18122
18284	Identification of strains of watermelon mosaic	PSEUDOMONADACEAE
The role of the epidemiologist in the control and cradication programs of poultry diseases.	virus by serology and other characteristics. (Abstract).	Effect of Xanthomonas vesicatoria on loss of electrolytes from leaves of Capsicum annuum.
18296	18037	17970
An outbreak of Ornithosis in fowls.	Biophysical studies of Teschen disease virus	PSEUDOMONAS

(Talfan strain).

18318

18404

17987

18133

Agricultural (livestock) wastes.

POWDERY MILDEW (WHEAT)

PRATYLENCHUS PENETRANS

stract).

Seedling resistance to powdery mildew of Purdue 5752CI-7-5-1 wheat derived from Triticum timopheevi. (Abstract).

Attempted cultivation of nematode cells. (Ab-

17919

18438

18489

Induced resistance to bacterial wilt in susceptible tobacco cuttings pretreated with avirulent mutants of Pseudomonas. (Abstract).

Results concerning humoral immunity of Pyrrhocoris apterus I. and Galleria mellonella F.

PSEUDOMONAS AERUGINOSA

Characteristics of a seasonal population of air-

borne Fomes fomentarius basidiospores. (Ab-

Isolation, identification, purification, and biological properties of the antibiotic phytoactin.

PSEUDOMONAS FLUORESCENS

PSEUDOMON	AS FI	JUORESCENS	

Histidine decardoxylase in strains of Escherichia coli isolated from normal swine and swine with edema disease and enteric disorders.

18307

PSEUDOMONAS GLYCINEA

Multiplication of Pseudomonas glycinea in buds of soybean seedlings. (Abstract).

18017

PSEUDOMONAS PHASEOLICOLA

The response of bean to ozone as related to infection by Pseudomonas phaseolicola. (Abstract).

18009

Effect of culture filtrates of Pseudomonas phaseolicola on the growth of excised roots and callus tissue cultures of bean. (Abstract).

PSEUDOMONAS SOLANACEARUM

Differentiation of races of Pseudomonas solanacearum by a hypersensitive reaction of tobacco leaves. (Abstract).

PSEUDOMONAS SYRINGAE

Recent spread and present distribution of fire blight in the world.

18081

PSEUDORABIES

Properties of Aujeszky's disease virus strains isolated from swine pneumonia cases.

18215

An enzootic of pseudorabies in swine in California. 18257

PSILA ROSAE

Residues of diazinon in carrots after treatment against cyclodiene-resistant carrot rust fly. 18093

PSOROPHORA CONFINNIS Studies on a biological and a chemical method of controlling the dark rice field mosquito in Loui-

18090

PSYCHODIDAE

Some observations on compulsory feeding of sandflies (Diptera, Phlebotominae) with the culture of leptomonads.

17778

Cross protection between a plant virus and potato psyllid yellows.

18067

PTERIDOPHYTA

A fern poisoning-like disease observed in an improved pasture.

18261

PUBLIC HEALTH

Alberta, 255,000 square miles, free of rats.

18175

Insecticide residues in pest control.

18401

PUBLIC HEALTH ADMINISTRATION

Rabies control in public health administration. 18303

PUCCINIA CORONATA

Effect of moderate adult resistance on penetration, hyphal growth rates, and urediospore production by crown rust of oats. (Abstract).

PUCCINIA GRAMINIS

Relation of uredial and urediospore counts to epiphytotic development of wheat rusts and the value of the counts in predicting disease. (Abstract).

Stem rust infection and development in artificially inoculated fields of wheat at Hays, Kans., and its effect on yield, 1960 to 1965. (Abstract). 18022

PUCCINIA GRAMINIS TRITICI

Premature death of adult rusted wheat plants in relation to carbon dioxide evolution by root systems.

17964

A second gene for resistance to Puccinia graminis f sp tritici in the Red Egyptian 2D wheat substitution line.

18015

18074

The frequency of penetration of epidermal strips and intact wheat leaves by Puccinia graminis f. sp. tritici.

18060

PUCCINIA POLYSORA

Races of Puccinia polysora in Nigeria.

18015

PUCCINIA RECONDITA

Protein and enzyme changes in wheat leaves following infection with Puccinia recondita. 18005

On light-sensitivity in germinating uredospores of wheat brown rust.

Teliospore germination of Puccinia recondita f.

sp. tritici (Abstract).

PUCCINIA SORGHI

Genetics of reaction to Puccinia sorghi Schw. in ten corn inbred lines obtained from Africa and Europe.

Races of Puccinia polysora in Nigeria.

Ultrastructure of host and parasite in compatible and incompatible ineractions of Zea mays L. with Puccinia sorghi Schw.

Genetics of reaction to Puccinia sorghi in ten corn inbred lines from Africa and Europe. 18076

PUCCINIA STRIIFORMIS

The summer biology of Puccinia striiformis in southeastern Washington. I. Induction of infection during the summer. 18072

PULLULARIA PULLULANS

The relationships of ozone, Lophodermium pinastri and Pullularia pullulans to needle blight of Eastern white pine.

17972

PUPAE

On larvae of Hispinae (Coleoptera, Chrysomelidae) of the fauna of the USSR.

A description of the pupa of the pales weevil, Hylobius pales, and a method for identifying its

Scx ratio in pupac of the yellow-striped ar-

myworm. 17789 Laboratory propagation of Muscidifurax raptor

on face fly pupae. Retraction of the claim that host pregnancy af-

fects pupal production by the tsetse fly. 17867

Endogenous diurnal rhythm of pupation in a mosquito population. 17868

Role of photoperiod, temperature, and injury in induction and termination of the pupal diapause of Heliothis zea (Boddie).

17877 Chambers for collecting and observing single

pupae of three stored-product moths.

PUPAL CASES

Larch sawfly survival in relation to water levels and microtopography in tamarak bogs. 17839

Life history of the looper Phigalia titea in Vir-

17883

ginia. 17889

PURIFICATION

Isolation, identification, purification, and biological properties of the antibiotic phytoactin.

18480

PUROMYCIN

Nucleoprotein synthesis during metamorphosis in Drosophila virilis. 17872

PURPURA HEMORRHAGICA

Duck plague.

18263

PYRANTEL TARTRATE

Changes in the efficacy of three anthelmintics during the maturation of a nematode (Trichinella spiralis). 18357

PYRENOCHAETA TERRESTRIS

Disease involvement of nonalliaceous hosts by Pyrenochaeta terrestris. (Abstract). 17947

PYRETHRUM

Pyrethrins-piperonyl butoxide applied as a fog in an empty grain bin. 17897

PYRICULARIA ORYZAE

Relationships among races of Pyricularia oryzae. (Abstract.

PYRIMETHAMINE

Experimental treatment of subclinical porcine case of Toxoplasma with sulfamonomethoxine and pyrimethamine and its influence upon hemagglutinating antibody

PYRRHALTA LUTEOLA

Biology of the elm leaf beetle in southern Arizona. 17898

Control of the elm leaf beetle in Arizona.

PYRRHOCORIS APTERUS

Results concerning humoral immunity of Pyrrhocoris apterus I. and Galleria mellonella F 17842

PYRROLIZIDINE

Pyrrolizidine alkaloid poisoning in calves.

18412

18202

18128

PYRVINIUM PAMOATE

Observations on the effects of pyrvinium pamoate on Strongyloides stercoralis. 18359

PYTHIUM

Effects of watering frequency and saturation time on fine root necrosis of peach caused by Pythium spp. (Abstract).

17952

Patch canker of Hevea brasiliensis caused by Phytophthora palmivora. 17967

PYTHIUM APHANIDERMATUM

Stand loss of small grains in Florida. 18057

QUANTITATIVE ANALYSIS

Quantitative studies on the kinetics of establishment and expulsion of intestinal nematode populations in susceptible and immune hosts. Nippostrongylus brasiliensis in the rat. 18364

QUARANTINE

Proposed federal Formosan termite quarantine safeguards. Buyer, seller.

OUERCUS EMORYI

Desert grassland mesquite and fire.

RABBITS

The development of Theileria parva in the salivary glands of the tick, Rhipicephalus appendicu-

17873

18378

17919

Anaplasma marginale-infectivity in splenectomized and radiated rabbits. 18210

Characterization of bovine viral diarrhea viruses by their interactions with susceptible host cells

REPRODUCTIVE ORGANS

Analysis of the development of oviducts and the

developmental relations between oviducts and ovaries in Drosophila virilis. Part one: Develop-ment of oviducts under normal and experimental

18374

California-encephalitis-group viruses ir rabbits: Report of experimental and sen	Florida	Degradation of cellular ribonucleic acid in New- castle disease virus infected cells.	Helminths as vehicles and synergists of microbial infections.
dies.		18258	18376
	18265	The effect of diet on the utilization of stable and	Isolation and purification of metabolites found in
Pathology a-d immunofluorescence st bovine mycoplasma mastitis.		radioactive copper in ruminants. 18334	the urine of male rats fed aldrin and dieldrin. 18379
	18267	Macroinvertebrates. Fresh water.	Effect of ration modifications on aflatoxicosis in
Relationship between infecting dose, parasitism, and antibody response in ex	nerimen-	RADIOCHEMISTRY	the rat. 18382
tal trichinosis in rabbits.		Seasonal variation in the concentration of caesi-	Detergents.
But the City of th	18329	um-137 in grass and alfalfa.	18387
Pathological changes of blood dependir and age of rabbits experimentally infect		RADIOISOTOPES	RED CLOVER
sheep strain of Strongyloides papillosus.		Food distribution within colonies of the Argen-	Root rot as a cause of red clover decline in leys in Finland.
	18358	tine ant, Iridomyrmex humilis (Mayr).	18079
The blood of rabbits infected with Stron papillosus after 20 serial passages thro		17859	REDUVIIDAE
bits.	agn rao-	RADISHES Anaerobic metabolism of Albugo candida-in-	Some information on Triatoma spinolai Porter 1934, with a study of the external genetalia
	18367	fected radish cotyledons.	(Hemiptera, Reduviidae).
Parasitic development of Obeliscoides in rabbits.	cuniculi	17953	17853
in faccits.	18375	RADOPHOLUS SIMILIS Quantitative changes in organic acids in roots	REPORTS
Morphological and physiological as	pects of	and leaves from grapefruit seedlings infected	Some aspects of mating behavior in butterflies. 17864
sporogony and oocyst viability in the p		with Rhadopholus similis. 18138	Abstracts of papers accepted for presentation at
parasites Eimeria tenella and Eimeria (Coccidia).	stiedae	RAINFALL	the sixtieth annual meeting of The American
(Costinue).	18419	Costelytra zealandica (White) sex attraction.	Phytopathological Society, Columbus, Ohio, 2-6 September 1968.
ABIES		17845	17938
Rabies control in public health administr	ration. 18303	Studies of the cpidemiology of arthropod-borne	Recent spread and present distribution of fire
Enzootic rabies in rodents in Thailand.	10303	virus infections at Mitchell River mission, Cape York Peninsula, north Queensland. I. Mosquito	blight in the world.
Enzode rables in rodents in Thanand.	18320	collections, 1963-1966.	REPRODUCTION 18081
ABIES VIRUS		17914	Reproductive behavior of the potato tuberworm,
Further studies on the use of ERA rabies	s vaccine	The relation of rainfall, relative humidity, and temperature to late blight of potato in Sedes, Sin-	Phthorimaea operculella (Zeller), (Lepidoptera:
in domestic animals.	18201	dos-Lahanokipi of Nomos Thessaloniki.	Gelechiidae) and the effect of the chemosterilant
One-year immunity in dogs vaccinated v		17925	metepa. 17836
egg-passage rabies virus grown on es		Ascospore production, discharge and infection	Some aspects of mating behavior in butterflies.
dog kidney cell line.	10222	by Glomerella cingulata causing coffee berry disease.	17864
Electron microscopic studies on the	18222	17999	Mitotic recombination in conidiophores of ver-
Electron microscopic studies on the ment of vesicular stomatitis virus.	develop-	RANGES	ticillium alboatrum.
	18236	Desert grassland mesquite and fire. 17919	The impact of fungi on man. QK603.0T3.
Immunization of foxes with inactivated	wirus ra-	RAPHANUS RAPHANISTRUM	17934
bies vaccine.	18315	Growth, development and control of wild radish.	Mycelial growth and production of oospores as
Enzootic rabies in rodents in Thailand.		18162	affected by beta-sitosterol, and the germination of oospores of Phytophthora megasperma var.
	18320	Herbaccous annual and perennial weeds. 18174	sojae. (Abstract).
Influence of statolon-induced interfero	n on ra-	RASPBERRIES	17979
bies virus infection in mice.	18322	The foraging behavior of honeybees (Apis mcl-	The effect of polyploidy on plant virus replica- tion and control.
ADIATION		lifera) and bumblebees (Bombus Spp.) on blackcurrant (Ribes nigrum), raspberry (Rubus	17991
Pesticides and pollution. SB959.0U4.		idaeus) and strawberry (Fragaria x ananassa)	Effect of moderate adult resistance on penetra-
77) 65 . 611 . 16 . 1	17863	flowers.	tion, hyphal growth rates, and urcdiospore
The effect of blood-feeding on the lon radiationresistant yellow-fever mosquito		17732 Plant-parasitic nematodes in grape and raspberry	production by crown rust of oats. (Abstract). 17995
,	17885	soils of Ontario and a comparison of extraction	An investigation of the tobacco mosaic virus
Estimation of radiation resistance v	alues of	techniques.	multiplication process and its effect on the
microorganisms in food products.	18383	18153 RATS	metabolism of the host. 17998
ADIOACTIVE CONTAMINATION	10000	Alberta, 255,000 square miles, free of rats.	Ascospore production, discharge and infection
Comparative Cs-137 content of agr	icultural	18175	by Glomerella cingulata causing coffee berry dis-
crops grown in a contaminated soil.	18389	Fumigation-an effective method of rat control in	ease. 17999
Seasonal variation in the concentration		Kuttanad in Alleppey district (Kerala). 18176	Multiplication of Pseudomonas glycinea in buds
um-137 in grass and alfalfa.	or euesi	Organisation of anti-rat campaigns.	of soybean seedlings. (Abstract).
	18487	18177	18017
ADIOACTIVITY Selective recovery of volatile produc	ets from	Prevalence of Trichinella spiralis in wild animals	The pathogenicity of secondary and tertiary basidiospores of Cronartium fusiforme.
house flies treated with radioactive in		on two Illinois swine farms.	18052
chemicals and synergists.		Mineral and endocrine interrelationships in renal	Does the agent of scrapic replicate without
Accumulation of alvains in the fet had	17796	calcification.	nucleic acid. 18205
Accumulation of glycine in the fat bod silkworm, Bombyx mori L.	ly of the	18292 Experimental infection of anotohiotic Tenebric	Characteristics of a seasonal population of air-
•	17803	Experimental infection of gnotobiotic Tenebrio molitor and white rats with Hymenolepis diminu-	borne Fomes fomentarius basidiospores. (Ab-
Influence of the spectral composition of		ta (Cestoda: Cyclophyllidea).	stract).
bands of visible and near visible radia diapause in the boll weevil.	ation on	18363 Ouantitative studies on the kinetics of establish	Temperature effects on Pleurotus extractus
	17833	Quantitative studies on the kinetics of establish- ment and expulsion of intestinal nematode popu-	Temperature effects on Pleurotus ostreatus spore production (Abstract).
Comparison of metabolites of progest		lations in susceptible and immune hosts. Nippos-	18461
14C in urine from a nonpregnant domest	18190	trongylus brasiliensis in the rat.	REPRODUCTIVE ORGANS Analysis of the development of oviducts and the
		1020.	Analysis of the development of oviduets and the

derivatives.

Anthelminthic activity of some carbamate

Determination of cesium-137 and related sampling problems of dairy cattle feeds, 1962-1967.
18197

RESEARCH

curring in oviducts during imaginal life. 17782 Some information on Triatoma spinolal Porter 1934, with a study of the external genetalia (Hemiptera, Reduviidae).
Seminal vesiculitis syndrome: Lesions in genital organs of young bulls.
18208 Mycoplasmas: their role in bovine disease.
18264
RESEARCH The foraging behavior of honeybees (Apis mellifera) and bumblebees (Bombus Spp.) on blackcurrant (Ribes nigrum), raspberry (Rubus idaeus) and strawberry (Fragaria x ananassa) flowers. 17732
An improved incubator for insects for operation above room temperature and relative humidity. 17734
The multiplication of Middelburgs and 1 plaque viruses in Aedes aegypti mosquitoes.
Catch of insects at different heights in traps equipped with blacklight lamps.
17736 Subterranean termite studies in southern On-
tario. 17747
Information concerning the African bark and nut beetles fauna (Coleoptera scolytidae and platypodidae).
Hemiptera associated with pig carrion.
17764
Further studies on the effect of bovine diet on face fly development. 17766
Circadian emergence rhythm of a tropical scolytid, Xyleborus ferrugineus.
A review of recent literature on the host plant
range of the genus Liriomyza mik (Diptera: Agromyzidae) in the Continental United States and Hawaii, excluding Alaska.
Agromyzidae) in the Continental United States and Hawaii, excluding Alaska. 17770
Agromyzidae) in the Continental United States and Hawaii, excluding Alaska. 17770 Investigations on the Heliothis nuclear polyhedrosis virus and its development as a biological control agent.
Agromyzidae) in the Continental United States and Hawaii, excluding Alaska. 17770 Investigations on the Heliothis nuclear polyhedrosis virus and its development as a biological control agent. 17779 Studies on selection in natural and experimental
Agromyzidae) in the Continental United States and Hawaii, excluding Alaska. 17770 Investigations on the Heliothis nuclear polyhedrosis virus and its development as a biological control agent. 17779 Studies on selection in natural and experimental populations of Drosophila pseudoobscura. 17781
Agromyzidac) in the Continental United States and Hawaii, excluding Alaska. 17770 Investigations on the Heliothis nuclear polyhedrosis virus and its development as a biological control agent. 17779 Studies on selection in natural and experimental populations of Drosophila pseudoobscura.
Agromyzidae) in the Continental United States and Hawaii, excluding Alaska. 17770 Investigations on the Heliothis nuclear polyhedrosis virus and its development as a biological control agent. 17779 Studies on selection in natural and experimental populations of Drosophila pseudoobscura. 17781 Spider populations in grain sorghums. 17784 Photoinhibitory function of the dorsal ocelli in the phototactic reaction of the migratory locust Locusta migratoria L.
Agromyzidae) in the Continental United States and Hawaii, excluding Alaska. 17770 Investigations on the Heliothis nuclear polyhedrosis virus and its development as a biological control agent. 17779 Studies on selection in natural and experimental populations of Drosophila pseudoobscura. 17781 Spider populations in grain sorghums. 17784 Photoinhibitory function of the dorsal ocelli in the phototactic reaction of the migratory locust Locusta migratoria L. 17786 Sex ratio in pupae of the yellow-striped armyworm.
Agromyzidae) in the Continental United States and Hawaii, excluding Alaska. 17770 Investigations on the Heliothis nuclear polyhedrosis virus and its development as a biological control agent. 17779 Studies on selection in natural and experimental populations of Drosophila pseudoobscura. 17781 Spider populations in grain sorghums. 17784 Photoinhibitory function of the dorsal ocelli in the phototactic reaction of the migratory locust Locusta migratoria L. 17786 Sex ratio in pupae of the yellow-striped armyworm. 17789 Field studies of sex attraction in the boll weevil.
Agromyzidae) in the Continental United States and Hawaii, excluding Alaska. 17770 Investigations on the Heliothis nuclear polyhedrosis virus and its development as a biological control agent. 17779 Studies on selection in natural and experimental populations of Drosophila pseudoobscura. 17781 Spider populations in grain sorghums. 17784 Photoinhibitory function of the dorsal ocelli in the phototactic reaction of the migratory locust Locusta migratoria L. 17786 Sex ratio in pupae of the yellow-striped armyworm. 17789 Field studies of sex attraction in the boll weevil. 17790 Mechanism of locust jumping.
Agromyzidae) in the Continental United States and Hawaii, excluding Alaska. 17770 Investigations on the Heliothis nuclear polyhedrosis virus and its development as a biological control agent. 17779 Studies on selection in natural and experimental populations of Drosophila pseudoobscura. 17781 Spider populations in grain sorghums. 17784 Photoinhibitory function of the dorsal ocelli in the phototactic reaction of the migratory locust Locusta migratoria L. 17786 Sex ratio in pupae of the yellow-striped armyworm. 17789 Field studies of sex attraction in the boll weevil.
Agromyzidae) in the Continental United States and Hawaii, excluding Alaska. 17770 Investigations on the Heliothis nuclear polyhedrosis virus and its development as a biological control agent. 17779 Studies on selection in natural and experimental populations of Drosophila pseudoobscura. 17781 Spider populations in grain sorghums. 17784 Photoinhibitory function of the dorsal ocelli in the phototactic reaction of the migratory locust Locusta migratoria L. 17786 Sex ratio in pupae of the yellow-striped armyworm. 17789 Field studies of sex attraction in the boll weevil. 17790 Mechanism of locust jumping. 17793 The infection of Boophilus microplus with Babesia bigemina.
Agromyzidae) in the Continental United States and Hawaii, excluding Alaska. 17770 Investigations on the Heliothis nuclear polyhedrosis virus and its development as a biological control agent. 17779 Studies on selection in natural and experimental populations of Drosophila pseudoobscura. 17781 Spider populations in grain sorghums. 17784 Photoinhibitory function of the dorsal ocelli in the phototactic reaction of the migratory locust Locusta migratoria L. 17786 Sex ratio in pupae of the yellow-striped armyworm. 17789 Field studies of sex attraction in the boll weevil. 17790 Mechanism of locust jumping. 17793 The infection of Boophilus microplus with Babesia bigemina. 17795 Selective recovery of volatile products from house flies treated with radioactive insecticide chemicals and synergists.
Agromyzidae) in the Continental United States and Hawaii, excluding Alaska. 17770 Investigations on the Heliothis nuclear polyhedrosis virus and its development as a biological control agent. 17779 Studies on selection in natural and experimental populations of Drosophila pseudoobscura. 17781 Spider populations in grain sorghums. 17784 Photoinhibitory function of the dorsal ocelli in the phototactic reaction of the migratory locust Locusta migratoria L. 17786 Sex ratio in pupae of the yellow-striped armyworm. 17789 Field studies of sex attraction in the boll weevil. 17790 Mechanism of locust jumping. 17793 The infection of Boophilus microplus with Babesia bigemina. 17795 Selective recovery of volatile products from house flies treated with radioactive insecticide chemicals and synergists.
Agromyzidae) in the Continental United States and Hawaii, excluding Alaska. 17770 Investigations on the Heliothis nuclear polyhedrosis virus and its development as a biological control agent. 17779 Studies on selection in natural and experimental populations of Drosophila pseudoobscura. 17781 Spider populations in grain sorghums. 17784 Photoinhibitory function of the dorsal ocelli in the phototactic reaction of the migratory locust Locusta migratoria L. 17786 Sex ratio in pupae of the yellow-striped armyworm. 17789 Field studies of sex attraction in the boll weevil. 17790 Mechanism of locust jumping. 17793 The infection of Boophilus microplus with Babesia bigemina. 17795 Selective recovery of volatile products from house flies treated with radioactive insecticide chemicals and synergists.
Agromyzidae) in the Continental United States and Hawaii, excluding Alaska. 17770 Investigations on the Heliothis nuclear polyhedrosis virus and its development as a biological control agent. 17779 Studies on selection in natural and experimental populations of Drosophila pseudoobscura. 17781 Spider populations in grain sorghums. 17784 Photoinhibitory function of the dorsal ocelli in the phototactic reaction of the migratory locust Locusta migratoria L. 17786 Sex ratio in pupae of the yellow-striped armyworm. 17789 Field studies of sex attraction in the boll weevil. 17790 Mechanism of locust jumping. 17793 The infection of Boophilus microplus with Babesia bigemina. 17795 Selective recovery of volatile products from house flies treated with radioactive insecticide chemicals and synergists. 17796 Chemical sterilization of the stable fly Stomoxys calcitrans (Linne), with metepa and hempa.

Accumulation of glycine in the fat body of the

17803

silkworm, Bombyx mori L.

iC-	A
82 er lia	ly m
53	А
tal 08	T- fe
64	St
el- on us a)	ln ci
32 on	P
34 ue	S _l
35	Α
ps 36	F
30 n- 47	F
ut nd	it A
62	b w h
64 on	P A
66 cal	N b
67 int ra:	C
es 70	b
ar a	E h
79 tal	T th
81	A
84 in ust	P
86 ar-	F ti
89	lr tr
90	lr c:
93 oe-	tr
95	S
om de	S
0.4	

S OC-	A comparative study of salivary gland chromosome asynapsis in tumorigenic and close-
7782 orter	ly related non-tumorigenic strains of Drosophila melanogaster.
talia 7853	17804 Alate aphid species captured in yellow pans. 17806
nital	Tests of genetic systems for the study of the ef-
3208	fects of dNA in Drosophila melanogaster. 17811
8264	Studies on the morphology and biology of Lecanium fletcheri Ckll. (Homoptera, Coccoidea) and related species.
mel-	17813
on ubus ussa)	Influence of repellency on the efficacy of blatti- cides. IV. Comparison of four cockroach species. 17814
7732	Preliminary evaluation of a granulosis virus for control of the codling moth.
ation ity.	17822
7734	Spread of the boll weevil by drainage water and air currents.
aque	17824 A sex pheromone from the citrus mealybug.
7735	17828
traps	Field tests of chemicals for control of the European corn borer.
7736	17831
On- 7747	Field and laboratory studies on the ecology and morphology of Nabis americoferus Carayon and
d nut	its parasites in California. 17834
and	A study of the nuclear polyhedrosis virus on the beet armyworm, Spodoptera exigua (Hubner),
7762	with emphasis on stability, pathogenicity and histopathology.
7764	17837
7766	Parthenogenesis in gum emperor moth Antheraea eucalypti (Scott).
pical	Medium and techniques for mass rearing the red-
7767	banded leaf roller. 17843
plant	Costelytra zealandica (White) sex attraction. 17845
tera: tates	Effects of mold inhibitors in larval diet on the
7770	biology of the cabbage looper.
clear	Effect of the chemosterilant metepa on the
as a	housefly, Musca domestica L.
7779	The influence of temperature and humidity on
ental	the development of Tenebrio molitor L. 17850
7781	A red dye to evaluate bait formulations and to
7784	mass mark field populations of boll weevils. 17856
lli in ocust	Pre-imaginal conditioning in Drosophila. 17858
7786	Food distribution within colonics of the Argen-
l ar-	tine ant, Iridomyrmex humilis (Mayr). 17859
7789	Interception of apple maggot adults on colored traps in an orchard.
vil. 7790	17860
7793	Influence of population level and trap spacing on capture of tobacco hor-worm moths in blacklight traps with virgin females.
labe-	17861
7795	Sub-units of acid phosphatase-1 in Drosophila melanogaster: Reversible dissociation in vitro. 17862
from icide	Some aspects of mating behavior in butterflies.
7796	17864 Endogenous diurnal rhythm of pupation in a
oxys	mosquito population. 17868
7797 nt of	The development of Theileria parva in the salivary glands of the tick, Rhipicephalus appendicu-
	, o

SUBJECT INDEX	
A comparative study of salivary gland chromosome asynapsis in tumorigenic and close ly related non-tumorigenic strains of Drosophili melanogaster.	a
Alate aphid species captured in yellow pans.	
Tests of genetic systems for the study of the effects of dNA in Drosophila melanogaster.	
Studies on the morphology and biology of Lecanium fletcheri Ckll. (Homoptera, Coc	ıf
coidea) and related species.	3
Influence of repellency on the efficacy of blatticides. IV. Comparison of four cockroach species 1781	5.
Preliminary evaluation of a granulosis virus fo control of the codling moth. 1782	
Spread of the boll weevil by drainage water and air currents.	d
A sex pheromone from the citrus mealybug.	4
1782	
Field tests of chemicals for control of the European corn borer.	
Field and laboratory studies on the ecology an morphology of Nabis americoferus Carayon and	d
its parasites in California.	4
A study of the nuclear polyhedrosis virus on th beet armyworm, Spodoptera exigua (Hubner) with emphasis on stability, pathogenicity an histopathology.),
1783	
Parthenogenesis in gum emperor mot Antheraea eucalypti (Scott).	
1784 Medium and techniques for mass rearing the rec	
banded leaf roller.	
Costelytra zealandica (White) sex attraction.	
1784 Effects of mold inhibitors in larval diet on th	
biology of the cabbage looper.	
Effect of the chamosterilant meters on th	

17914
Method for estimating intensity of the little leaf
disease of brinjal (Solanum melongena).
17917
Mitotic recombination in conidiophores of ver-
ticillium alboatrum.
17922
Commonwealth Institute of biological control-
Indian Station.
17923
Race buildup of Xanthomonas malvacearum on
cotton in southeast Missouri.
17928
Reducing spring discharge of Venturia inaequalis ascospores by composting overwintering leaves.
17929

17883

Two new hardwood hosts of Fomes annosus.
17930
Selective staining of dead cells in bean leaves injured by ozone.

The effect of blood-feeding on the longevity of

Techniques of marking insects with micronized

fluorescent dust with especial emphasis on mark-

ing millions of Lygus hesperus for dispersal stu-

Rearing stored product insects for laboratory

Biology of the elm leaf beetle in southern

Winter oviposition by the alfalfa weevil in Vir-

Mitotic chromosomes of Glossina pallidipes

Tetraploid females in the hymenopteron, Mor-

Meiotic drive and visible polarity in Drosophila

Studies of the epidemiology of arthropod-borne virus infections at Mitchell River Mission, Cape

York Peninsula, north Queensland. II. Arbovirus

infections of mosquitoes, man, and domestic

Studies of the epidemiology of arthropod-borne

virus infections at Mitchell River mission, Cape York Peninsula, north Queensland. I. Mosquito

17887

17898

studies: Six species of moths.

Arizona

ginia.

spermatocytes.

fowls, 1963-1966.

collections, 1963-1966.

radiationresistant yellow-fever mosquitoes.

17931 Experiments and considerations on the anomo-

lies of tomatoes of the super marmande type in hot houses, connections with the use of some plant hormones.

Successful tissue transplantation of auxin-dependent tumours and some of its problems.

Anatomic effects of cadang-cadang disease on coconuts.

Studies on the chemical control of rice blast caused by Piricularia oryzae Cav.

Investigations of the mechanism of the necrotic response of Nicotiana tabacum L. var. Samsun NN to infection with tobacco mosaic virus.

The role of cotton and bean seed exudate in preemergence infection by Rhizoctonia solani.

An investigation of the tobacco mosaic virus multiplication process and its effect on the metabolism of the host. 17998

Chambers for collecting and observing single

pupae of three stored-product moths.

The Columbian timber beetle, Corthylus columbianus (Coleoptera: Scolytidae). VIII. Artifacts and characteristics of the host tree.

Physiologic race changes in barley mildew 1964-

18129

Ascospore production, discharge and infection by Glomerella cingulata causing coffee berry dis-

Exocortis in Ortanique orange.

case.

RESEARCH

A case of porcine endocarditis associated with Staphylococcus aureus.

The response of various tissues in neonate calves to bovine papilloma virus (BPV).

18001	0/.	1825
Tobacco necrosis virus and its satellite virus.	Studies of the suitability of certain Heliothis spp.	Clostridium perfringens type A infection o
	as a host for Cardiochiles nigriceps Vierick.	ligated intestinal loops in lambs. 1825:
Studies on the effects of Hg(II) and sucrose on the mechanical transmission of tobacco mosaic	18141	Degradation of cellular ribonucleic acid in New
virus ribonucleic acid to pinto bean (Phaseolus	The growth, development and control of com-	castle disease virus infected cells.
vulgaris L.).	mon ragweed.	1825
18011	18160	California-encephalitis-group viruses in Florida
A study on auxin and chlorogenic acid in leaf-roll	Light quality effects on growth and development	rabbits: Report of experimental and sentinel stu
resistant and susceptible potato varieties.	ragweed. 18161	dies. 1826:
18032		
Tomato bushy stunt virus on tomato crops in Argentina.	Aquatic weeds. 18170	 Increased incidence of avian leukosis in response to excess vitamin A.
18047	Organisation of anti-rat campaigns.	18280
Chemical control of corn head smut.	18177	The utilization of vitamin A and carotene by ru
18062	Distribution of mercury compounds in fish and	minants. 1. Vitamin A potency of carotenes in
Additional information on the pathogenicity of	birds.	corn silage fed to lambs, 2. The effect of time and
Scleroderris lagerbergii.	18180	route of administration of vitamin A on live
18065	Effects of urease inhibitors on sheep fed diets	vitamin A storage by steers. 3. The effect of route of administration of vitamin A on blood
Bacterial canker of tomato; inoculum level	containing urea. 18182	serum and liver vitamin A concentrations in
needed for infection. 18071		steers at subsequent time intervals.
	Oligosaccharidases from Macracanthorhynchus hirudinaceus (Acanthocephala) from swine.	1828
Effect of MCPA on lettuce pre-inoculated with lettuce mosaic virus.	18186	Histidine decardoxylase in strains of Escherichi
18075	Treatment for poisoning by slug bait.	 coli isolated from normal swine and swine with edema disease and enteric disorders.
Recent spread and present distribution of fire	18187	1830'
blight in the world.	Response of beef cows to exogenous	Experimental transmission of two canino
18081	progesterone and estradiol at various stages post-	ncoplasms: Lymphosarcoma and mast cell leu
Further evaluation of acaricides for brown wheat	partum.	kemia.
mite control on winter wheat in Kansas, 1963-65.	18192	18310
18091	Effect of organo-Phosphorus insecticides on the warm blooded animals and cure thereof.	Effect of bursectomy on the rous virus tumou
Cereal leaf miner in the South-east Region. 18092	18193	induction in chickens.
	Avirulent mutant of a strain of ornithosis agent	
Tests with insecticides for the control of resistant Myzus persicae (Sulzer) on year-round	obtained by gamma irradiation.	Successful treatment of coccidiosis in lambs. 1831;
chrysanthemums.	18195	Immunization of foxes with inactivated wirus ra
18095	Further studies on the use of ERA rabies vaccine	bies vaccine.
A bioassay technique for screening feeding	in domestic animals.	1831:
stimulants for larvae of tobacco budworm.	18201	Serologic survey for toxoplasma antibodies in a
18096	Bacteriological studies of poultry litter fed to	colony of research dogs and cats in California.
Survival of Rhopalosiphum padi in stored grain	livestock. 18203	1832
during cold weather. 18097	Experimental colibacillosis and the development	Eight feline viruses: An electron microscopic stu
Lack of eytoplasmic inheritance of alfalfa re-	of carries in laying hens.	dy. 1832-
sistance to the spotted alfalfa aphid.	18206	Some studies on the pathogenesis and
18099	Microflora associated with agalactia syndrome of	cpizootiology of epizootic hemorrhagic disease
Oviposition preferences of western corn root-	sows.	of deer.
worms for various soil surface conditions.	18207	1834
18100	Properties of Aujeszky's disease virus strains iso-	Northern fowl mite control on mature turkeys or
Studies of the insect complex affecting seed	lated from swine pneumonia cases. 18215	range. 1835
production of ponderosa pine in California. 18101	Some nutritional aspects of dietary magnesium in	
Reinfestation of forest sites by the Texas leaf-	ruminants and poultry.	Quantitative studies on the kinetics of establish ment and expulsion of intestinal nematode population
cutting ant.	18227	lations in susceptible and immune hosts. Nippos
18107	Clinical aspects of toxic infections by anaerobic	trongylus brasiliensis in the rat.
Occurrence of fiber containing fluorescent spots	germ spores in ruminants. 18229	1836-
associated with Aspergillus flavus boll rot in the		Isolation and purification of metabolites found in
U. S. cotton crop of 1967.	Hog cholera: Replication of hog cholera virus in tissuc culture with cytopathic effect.	the urine of male rats fed aldrin and dieldrin. 1837
Loss of phorate from a granular formulation ap-	18231	On the development of Cysticercus fasciolaris in
plied in the soil.	Hog cholera: Safety and protection studies with	albino rat liver and its reaction on the host tissue
18110	photodynamically inactivated hog cholera virus.	1838
The tolerance of imported commodities to fu-	18232	Residues of diazinon, coumaphos, ciodrin
migation with methyl bromide.	Characterization studies on feline panleucopenia	methoxychlor, and rotenone in cow's milk from
18112	virus. (with). II. Pathogenesis in the host.	 treatments similar to those used for ectoparasite and fly control on dairy cattle, with notes or
Attack of the black turpentine beetle on roots of slash pines.	Isolation and characterization of three plaque-	safety of diazinon and ciodrin to calves.
18118	type clones of the hickman strain of newcastle	1840.
Role of host plant in production of winged forms	disease virus.	Analytical problems: Mercury in the general en
by a green strain of pea aphid Acyrthosiphon	18235	vironment.
pisum.	Behavior of equine infectious anemia virus in cell	1840
18120	culture and development of a diagnostic test for the disease.	The toxicity and distribution of mercury.
Egg distribution as a factor in suppressing the	the disease.	18410
green peach aphid by pruning. 18122	Newcastle disease: A legal interpretation.	 Swedish studies of game that had been found dead as well as specimens that had been shot.
Constituents of the cotton bud. XIII. Further stu-	18245	1841
dies on a nonpolar feeding stimulant for the boll	Artificially induced immunity to enzootic abor-	Isolation of a new toxin from cultures of Asper
weevil.	tion in ewes.	gillus flavus.
18124	18246	18416

The interrelationships of Rhizoctonia solani and

Helminthosporium vagans, nitrogen, and variety

on alkaloids in Festuca arundinacea. (Abstract)

Wound-induced gibberellins.

Studies on the chemical control of rice blast

RICE

stract)

Finland.

nonhost plants.

18419

18426

18449

18457

in the

Cultural and pathogenicity studies of induced

variants of bean and pea root rot Fusarium spe-

Root rot as a cause of red clover decline in levs in

The biology and ecology of Fusarium oxysporum

f. melonis in soil and the root zones of host and

ROOT ROT (RED CLOVER)

18078

18467

RESERVOIRS

interaction of growth regulators in the

tests of fungicides

18426

against

senescence of nasturtium leaf disks.

Peronospora parasitica (Pers. ex. Fr.) Fr RHIZOPUS STOLONIFER caused by Piricularia oryzae Cav. Effect of anacrobiosis on germination and via-18433 17912 bility of Rhizopus stolonifer sporangiospores. Electron microscopic studies of the nervous Relationships among races of Pyricularia oryzae. (Abstract). system of Trichodorus christici (Abstract) (Abstract. 18447 Electron micrographs of Rhizopus stolonifer Light stimulated biosynthesis of gibberellins in Studies on a biological and a chemical method of sporanciospores subjected to chilling. (Ab-Fusarium moniliforme. controlling the dark rice field mosquito in Louistract). siana. A physiologic-genetic study of the differential RHIZOSPHERE response of navy beans (Phaseolus vulgaris L.) to Studies on hydrogen phosphide against the red Thread worms in the rhizosphere of the normal flour beetle in a column of paddy. cotton and of that infected with the verticillous 18113 cotton wilt Studies on the fungitoxicity of captan. Vi. Fumigation-an effective method of rat control in Decomposition of 35S-labelled captan by Neu-Kuttanad in Alleppey district (Kerala). Extent of Aspergillus flavus and Fusarium oxrospora crassa conidia. 18176 ysporum germination in soil and in the rhizo-18469 RING SPOT (TOBACCO) sphere of peanut. (Abstract). Auxin-induced elimination of a protein in bean Effects of nematode extraction method, soil mix-18445 hypocotyl. ture, and nematode numbers on the transmission RHOPALOSIPHUM MAIDIS 18470 of tobacco ringspot virus by Xiphinema amer-Aphid vectors of barley yellow dwarf virus in blacklight traps in eastern United States. icanum. Engineering and biological aspects of designing 18070 and using a selective flame weeder. 18089 RINGWORM 18493 RHOPALOSIPHUM PADI An outbreak of ringworm among cattle in Aphid vectors of barley yellow dwarf virus in Shimane. Culicoides control in the Canal Zone by water blacklight traps in eastern United States. management. 18089 17912 RODENTICIDES Survival of Rhopalosiphum padi in stored grain Organisation of anti-rat campaigns. RESPIRATION during cold weather. 18177 Effects of barley stripe mosaic virus infection on 18097 the respiration of barley leaves. (Abstract). RODENTS On Diptera in small mammal burrows in Vegetable crops. IV. Beans, sweet corn, tonorthern Europe and southern Spain. Corynebacterium equi infection in two foals. matoes, rhubarb. 17750 18225 18173 On the distribution of Ixodes angustus Neum.(Ix-Histopathological aids to the diagnosis of certain RIBES NIGRUM The foraging behavior of honeybees (Apis mcl-lifera) and bumblebees (Bombus Spp.) on odidac). poultry diseases. 17768 On the dispersal of the bulbs of Oxalis cernua blackcurrant (Ribes nigrum), raspberry (Rubus The study of the effect of amitrol on the respira-Thunb. by mole-rats (Spalax ehrenbergi idaeus) and strawberry (Fragaria x ananassa) tion and activity of some enzymes in poppy flowers. Nehring). plants (Papaver somniferum L.). 17732 18163 18479 RIBONUCLEIC ACID Enzootic rabies in rodents in Thailand. RESPIRATORY DISEASES Nucleoprotein synthesis during metamorphosis 18320 The equine respiratory disease syndrome in the in Drosophila virilis. Pacific Northwest. ROOT ROT (ALFALFA) 17872 18272 Potential of the Rhizobium-Fusarium interac-Potato spindle tuber virus: in situ sensitivity of tions on the incidence of alfalfa root rot. RESPIRATORY SYSTEM the infectious agent to ribonuclease. (Abstract). 18006 The significance of the stay of Necator amer-ROOT ROT (BEANS) icanus larvae in the puppy lung on their further Studies on the effects of Hg(II) and sucrose on Effect of rutin and its degradation products on development. the mechanical transmission of tobacco mosaic Fusarium root rot of bean. (Abstract). virus ribonucleic acid to pinto bean (Phaseolus 18019 RETINA vulgaris L.). An enzootic of pseudorabics in swine in Califor-Influence of nitrogen nutrition on Fusarium root rot of pinto bean and on its suppression by barley nia. Characterization of bovine viral diarrhea viruses 18257 by their interactions with susceptible host cells. RETINOIC ACID 18243 Cultural and pathogenicity studies of induced Influence of dietary vitamin A on cholesterol Degradation of cellular ribonucleic acid in Newmetabolism of chickens. variants of bean and pea root rot Fusarium specastle disease virus infected cells. 18185 cies. 18258 RIIAGOLETIS POMONELLA Biochemical and biophysical properties of ROOT ROT (PEAS) Interception of apple maggot adults on colored canine distemper virus. traps in an orchard. Mechanism of increased root rot in virus-in-18306 17860 fected peas. Changes in protein and nucleic acid metabolism 17950 RHIPICEPHALUS APPENDICULATUS in baby hamster kidney cells infected with foot-Number of zoospores of Aphanomyces euteiches The development of Theileria parva in the salivaand-mouth disease virus. ry glands of the tick, Rhipicephalus appendicurequired for infection on peas. (Abstract). 18308 lonizing irradiation of foot-and-mouth disease 17873 Influence of nitrogen form on the incidence and virus and its ribonucleic acid. severity of Aphanomyces root rot of peas. (Ab-18309

emergence infection by Rhizoctonia solani.

18006

(Coccidia).

Potential of the Rhizobium-Fusarium interac-

Studies on the pathogen and vector of dutch elm

disease. A. Morphogenesis in Ceratocystis ulmi. B. Chemicals stimulating feeding by Scolytus

multistriatus. II. An improved method for the

isolation of a toxic metabolite from Rhizoctonia

The role of cotton and bean seed exudate in pre-

tions on the incidence of alfalfa root rot.

RHIZOCTONIA LEGUMINICOLA

leguminicola.

RHIZOCTONIA SOLANI

Comparison of the effects of gibberellic acid and

Location of unique sequences in tohacco mosaic

Morphological and physiological aspects of sporogony and oocyst viability in the protozoan parasites Eimeria tenella and Eimeria stiedae

Interaction of growth regulators senescence of nasturtium leaf disks.

aflatoxin in germinating seeds.

virus ribonucleic acid.

SAMPLING (STATISTICS)

Mechanism	of	increased	root	rot	in	virus-in-
fected peas.						17050

Effects of watering frequency and saturation time on fine root necrosis of peach caused by Pythium spp. (Abstract). 17952

Premature death of adult rusted wheat plants in relation to carbon dioxide evolution by root systems. 17964

Exocortis in Ortanique orange.

18001

that attacks soybean and other legumes. (Abstract). 18004 The influence of crop-rotation on the attack of carrots by Meldidogyne hapla Chitw. and symp-

A Phytophthora from subterranean clover roots

tom formation. 18068 Black vine weevil larval damage to concord

grape roots at different population densities.

18088

The use of menazon seed dressing to decrease spread of virus yellows in sugar-beet root crops.

Attack of the black turpentine beetle on roots of slash pines.

18118

Quantitative changes in organic acids in roots and leaves from grapefruit seedlings infected with Rhadopholus similis.

The influence of an organic soil amendment on infectivity and reproduction of Tylenchulus semipenetrans on two citrus rootstocks.

The host-parasite relations and ecology of Trichodorus viruliferus on apple roots, as ob-

served from an underground laboratory. Parasitism of Tylenchus emarginatus on conifer

seedling roots and some observations on the biology of the nematode.

Factors influencing the population fluctuation of Pratylenchus penetrans in soil. III. Host plant

Effect of culture filtrates of Pseudomonas

phaseolicola on the growth of excised roots and callus tissue cultures of bean. (Abstract).

Influence of micro-organisms on the distribution in roots of phosphate labelled with phosphorus-

18424

Inorganic composition and microscopy of citrus roots grown under several copper and soil amendment conditions.

Effect of calcium availability on alfalfa grown in calcareous high sodium soils.

ROSETTE (CHERRIES)

Relation of boron to cherry rosette disease in Oregon, and the possible implication of a virus.

ROT (TOMATOES)

Susceptibility of tomato varieties to Sclerotium rolfsii.

ROTENONE

Residues of diazinon, coumaphos, ciodrin, methoxychlor, and rotenone in cow's milk from treatments similar to those used for ectoparasite and fly control on dairy cattle, with notes on safety of diazinon and ciodrin to calves.

18403

On the principal way of attack of rotenone in

18415 A review of drug toxicity in the cat.

18420

ROTYLENCHULUS RENIFORMIS

Evaluation of nematocides for controlling reniform nematodes on sweetpotatoes. 17918

Effect of bursectomy on the rous virus tumour induction in chickens. 18311

ROUS SARCOMA VIRUS

Effect of bursectomy on the rous virus tumour induction in chickens.

RUMEN

Influence of nitrite and hydroxylamine on performance and vitamin A and carotene metabolism of ruminants.

Oxalate metabolism in sheep and its effect on the anion-cation balance.

18188

RUMINANTS

Influence of nitrite and hydroxylamine on performance and vitamin A and carotene metabolism of ruminants.

18183

Some physiological responses of ruminants to 2,2-dichlorovinyl dimethyl phosphate. 18219

Some nutritional aspects of dietary magnesium in

ruminants and poultry.

Clinical aspects of toxic infections by anaerobic germ spores in ruminants.

The utilization of vitamin A and carotene by ruminants. 1. Vitamin A potency of carotenes in corn silage fed to lambs. 2. The effect of time and route of administration of vitamin A on liver vitamin A storage by steers. 3. The effect of route of administration of vitamin A on blood serum and liver vitamin A concentrations in steers at subsequent time intervals.

The effect of diet on the utilization of stable and radioactive copper in ruminants. 18334

RUST (CORN)

Races of Puccinia polysora in Nigeria.

18015

RUST (FLAX)

Quantitative histology of Melampsora lini resistance in flax. (Abstract).

RUST (PINUS TAEDA)

Genetic variation in susceptibility to fusiform rust in a wild population of loblolly pine. (Abstract).

RUST (WHEAT)

Relation of uredial and urediospore counts to epiphytotic development of wheat rusts and the value of the counts in predicting disease. (Abstract). 17962

Premature death of adult rusted wheat plants in relation to carbon dioxide evolution by root systems.

17964

18057

Protein and enzyme changes in wheat leaves following infection with Puccinia recondita. 18005

RUTIN

Effect of rutin and its degradation products on Fusarium root rot of bean. (Abstract). 18019

Stand loss of small grains in Florida.

Effect of variety and fumigation on nematode populations in oats, wheat, and rye.

S-TRIAZINE

The selectivity and activity of s-triazine herbicides in banana plants.

SAINTPAULIA

Pathogenic and cultural variation Phytophthora nicotianae var parasitica from greenhouse plants.

SALINE WATER

Survival of the balsam woolly aphid on Abies logs. 18084

18064

Effects on groudwater. Municipal sources. 18390

SALIVARY GLANDS (INSECTS)

A comparative study of salivary gland chromosome asynapsis in tumorigenic and closely related non-tumorigenic strains of Drosophila melanogaster. 17804

Ordered chromosomal DNA synthesis in Drosophila melanogaster.

Nucleoprotein synthesis during metamorphosis in Drosophila virilis. 17872

The development of Theileria parva in the salivary glands of the tick, Rhipicephalus appendicu-

SALIX

A new genus and two new species of mirid bugs (Heteroptera, Miridae) from the eastern regions of the USSR.

SALMONELLA A survey to determine the salmonella contamina-

tion rate in livestock and poultry feeds.

18204

Salmonella typhisuis infection in Minnesota swine.

18209

Survival of salmonella, viable bacterial count and appearance of contamination-indicating organisms in Salmonella-positive feedstuff.

18253

Sources of salmonellas in market swine. 18342

SALMONELLA DUBLIN

Salmonella dublin meningitis in piglets. 18287

SALMONELLA TYPHIMURIUM

Antibody response to immunization in experimental Salmonellosis.

18269

Age susceptibility and excretion of Salmonella typhimurium in calves.

The penetration patterns of Salmonella typhimurium through the outer structures of chicken eggs.

Acute infectious bovine rhinotracheitis and salmonellosis in a dairy herd.

18344

SALMONELLOSIS

A survey to determine the salmonella contamination rate in livestock and poultry feeds.

18204

Antibody response to immunization in experimental Salmonellosis.

18269

Age susceptibility and excretion of Salmonella typhimurium in calves. 18312

What veterinarians can do about the salmonella problem. 18321

SAMPLING (STATISTICS)

Notes on microanalytical techniques in the analysis of foods for extraneous materials.

17792

Method for estimating intensity of the little leaf disease of brinjal (Solanum melongena). Evaluation of nematocides for controlling

reniform nematodes on sweetpotatoes.

SANNINOIDEA EXITIOSA

Race buildup of Xanthomonas malvacearum on cotton in southeast Missouri. Physiologic race changes in barley mildew 1964-

17928

Determination of cesium-137 and related sampling problems of dairy cattle feeds, 1962-1967

SANNINOIDEA EXITIOSA

A medium for laboratory rearing of the peach tree and lesser peach tree borers.

SARCOPHAGA BULLATA

Tyrosine metabolism and its hormonal control after eclosion in the adult fleshfly Sarcophaga bullata Parker (Diptera: Sarcophagidae).

SARCOPHAGIDAE

Tyrosine metabolism and its hormonal control after eclosion in the adult fleshfly Sarcophaga bullata Parker (Diptera: Sarcophagidae).

SCAB (APPLES)

Studies of the resistance of local apple varieties to scab (Venturia inaequalis (cke.) Wint.) under climatic conditions of Central Anatolia.

18073

SCAB (CITRUS)

Chemical control of scab and anthracnose on susceptible varieties of Citrus in Florida. (Abstract).

SCAB (PECANS)

New fungicides effective for pecan scab control in Georgia.

18077

Biological and ecological studies on Caloglyphus (Acarinai Acaridae) associated with Scarabaeidae. 17743

SCARLET RUNNER BEANS

Plant hormones-V. Thin-layer and gas-liquid chromatography of the gibberellins; direct indentification of the gibberellins in a crude plant extract by gas-liquid chromatography.

18485

SCENT GLANDS

Pre-imaginal conditioning in Drosophila.

17858

18065

SCHISTOCERCA GREGARIA

Activation of malathion by the locust bodywall. 17777

SCHIZAPHIS GRAMINUM

Aphid vectors of barley yellow dwarf virus in blacklight traps in eastern United States.

18089

SCLERODERRIS LAGERBERG11

Additional information on the pathogenicity of Scleroderris lagerbergii.

SCLEROTINIA FRUCTICOLA

Stromatal rind formation in the brown rot fungi.

SCLEROTINIA FRUCTIGENA

Pectin methyl-trans-eliminase as the maceration factor of Sclerotinia fructigena and its significance in brown rot of apple. 17965

SCLEROTIUM CEPIVORUM

The effect of species of Allium on soil bacteria in relation to germination of sclerotia of Sclerotium cepivorum Berk.

SCLEROTIUM ROLFSII

Susceptibility of tomato varieties to Sclerotium

17968

Stimulation of Sclerotium rolfsii and its antagonists by volatile components of alfalfa hay. 18021

Oxalate biosynthesis and pathways for glucose catabolism in Sclerotium rolfsii Sacc. 18459 Oxalic acid biosynthesis by Sclerotium rolfsii. (Abstract).

18460

SCOLYTIDAE

Information concerning the African bark and nut beetles fauna (Coleoptera scolytidae and platypodidae).

17762

Improved technique to control shot hole borers and bark beetles.

18205

18012

17816

SCOLYTUS MULTISTRIATUS

Studies on the pathogen and vector of dutch elm disease. A. Morphogenesis in Ceratocystis ulmi. B. Chemicals stimulating feeding by Scolytus multistriatus. II. An improved method for the isolation of a toxic metabolite from Rhizoctonia leguminicola.

SCOLYTUS RUGULOSUS

Improved technique to control shot hole borers and bark beetles. 18106

SCRAPIE

Does the agent of scrapie replicate without nucleic acid

SCUTIGERELLA IMMACULATA

Biological and ecological relationships of the fungus, Entomophthora coronata (Costantin) Kevorkian and the garden symphylan, Scutigerella immaculata (Newport).

SECRETION

Electrophoretic variation of proteinase in the digestive juice of the silkworm, Bombyx mori L.

Defense mechanisms of arthropods. XXI. Formic acid and n-nonyl acetate in the defensive spray of two species of Helluomorphoides.

Data on the endocrine system of several Diplopoda, Oniscomorphes (Myriapoda).

SEDIMENTATION

Myoglobin in control and dystrophic chickens.

SEED DISSEMINATION

Dispersal patterns of Monilinia laxa spores in peach, prune, apricot, and almond trees during early spring. (Abstract). 18435

SEED GERMINATION

Effect of seed extract of Trifolium subterraneum on germination and seedling growth rate.

Irreversible inhibition of spore formation in Alternaria tomato by dedifferentation conidiophores. (Abstract). of

Germination of immature and mature spores of Diplodia natalensis. (Abstract). 17960

Mycelial growth and production of oospores as affected by beta-sitosterol, and the germination of oospores of Phytophthora megasperma var. sojae. (Abstract).

The role of cotton and bean seed exudate in preemergence infection by Rhizoctonia solani.

Systematic insecticide seed treatment tests on soybeans, bowling, cc. 18082

Germination of Fomes applanatus basidiospores.

(Abstract). 18429 Effect of anaerobiosis on germination and via-

bility of Rhizopus stolonifer sporangiospores. (Abstract). Effect of temperature on germination of

18436

Extent of Aspergillus flavus and Fusarium oxysporum germination in soil and in the rhizosphere of peanut. (Abstract).

Comparison of the effects of gibberellic acid and aflatoxin in germinating seeds.

Teliospore germination of Puccinia recondita f. sp. tritici (Abstract). 18452

Sporulation of Cephalosporium gregatum on naturally infested soybean straw. (Abstract). 18455

Chemistry and physiologic action of the antibiotic phytoactin. 18492

SEED TREATMENT

The effect of disinfection on cereal seeds determined in laboratory experiments and emergence tests in soil.

Stand loss of small grains in Florida.

18057 The use of menazon seed dressing to decrease spread of virus yellows in sugar-beet root crops

Chemical control of the stem nematode Ditylenchus dipsaci. 18137

SEED-BORNE PLANT DISEASES

Swedish restrictions concerning the use of mercury compounds for seed disinfection.

SEEDLINGS

Comparative gibberellin relationships in tall and dwarf peas (Pisum sativum L.).

Effect of seed extract of Trifolium subterraneum

on germination and seedling growth rate.

Number of zoospores of Aphanomyces euteiches required for infection on peas. (Abstract).

Soil fumigants tested for control of crown gall.

17973 Scedling resistance to powdery mildew of Purdue 5752Cl-7-5-1 wheat derived from Triticum

timopheevi. (Abstract). 17987 The role of cotton and bean seed exudate in pre-

emergence infection by Rhizoctonia soluni.

Effect of soil fungicides on development of fungi in soil and on kernels of groundnut. 18003

Races of Puccinia polysora in Nigeria. 18015

Multiplication of Pseudomonas glycinea in buds of soybean seedlings. (Abstract).

18017 Alternaria tenuis on Antirrhinum.

Reproduction of the coconut lethal yellowing syndrome by mechanical inoculation of young seedlings. 18049

Bacterial canker of tomato; inoculum level needed for infection. 18071

Systematic insecticide seed treatment tests on soybeans. bowling, c c.

Further evaluation of acaricides for brown wheat mite control on winter wheat in Kansas, 1963-65

18091 Studies of the insect complex affecting seed production of ponderosa pine in California.

Western corn rootworm egg distribution and adult emergence under two corn tillage systems.

18111

18033

Podosphaera leucotricha conidia. (Abstract).

		SILAGE
Role of host plant in production of winged forms by a green strain of pea aphid Acyrthosiphon	Identification of strains of watermelon mosaic virus by serology and other characteristics. (Abstract).	Actions of vitamin D3 and sex hormones on cal- cium metabolism of bone in birds, particularly in
pisum. 18120	18037	hens. 18226
Quantitative changes in organic acids in roots and leaves from grapefruit seedlings infected with Rhadopholus similis.	Tomato bushy stunt virus on tomato crops in Argentina. 18047	Pathological changes of blood depending on sex and age of rabbits experimentally infected with a sheep strain of Strongyloides papillosus.
18138	Occurrence of Agrophron mosaic virus in Mon-	18358
The influence of an organic soil amendment on	tana.	SEX ATTRACTANTS
infectivity and reproduction of Tylenchulus semipenetrans on two citrus rootstocks.	18058 Avian adeno-like viruses- Characterization and	Field studies of sex attraction in the boll weevil.
	comparison of seven isolates. 18224	New techniques to bioassay the sex attractant of
Parasitism of Tylenchus emarginatus on conifer seedling roots and some observations on the	Some characteristics of three porcine	pink bollworms with olfactometers. 17829
biology of the nematode.	adenoviruses.	SEX DETERMINATION
18150	18228	The effect of environment on sex determination
Light quality effects on growth and development	California-encephalitis-group viruses in Florida	in Heterodera rostochiensis.
ragweed.	rabbits: Report of experimental and sentinel stu- dies.	18154
Forage crops, small grains.	18265	SHEEP Effects of urace inhibitors on sheep fed diets
18167	Serological tests for the detection of antibodies	Effects of urease inhibitors on sheep fed dicts containing urea.
Swedish restrictions concerning the use of mer-	to Mycoplasma gallisepticum in chickens and	18182
cury compounds for seed disinfection.	turkeys.	Mycotic abortion in ewes produced by Aspergil-
18441	18266	lus fumigatus: pathologic changes.
Red pine meedle structure.	Antibody response to immunization in experi-	18184
18451	mental Salmonellosis. 18269	The effect of exposure to dieldrin on avoidance
Auxin-induced elimination of a protein in bean	Foot-and-mouth disease in swine. I. The immune	response extinction and conditioned heart rate in sheep.
hypocotyl. 18470	response of swine to chemically-treated and non-	18196
EEDS	treated foot-and-mouth disease virus.	Bluetongue of sheep and cattle: past, present,
Chemical control of corn head smut.	18288	and future.
18062	A comparison of methods of measuring the per-	18217
Swedish studies of game that had been found	sistance of neutralizing and haemagglutinin-in- hibiting antibodies to louping ill virus in experi-	Some physiological responses of ruminants to
dead as well as specimens that had been shot.	mentally infected sheep.	2,2-dichlorovinyl dimethyl phosphate. 18219
18411	18302	Some nutritional aspects of dietary magnesium in
Comparison of the effects of gibberellic acid and aflatoxin in germinating secds.	Experimental production of rheumatoid arthritis	ruminants and poultry.
18449	of swine: Physiopathologic changes of tissues. 18319	18227
ELENIUM	Serologic survey for toxoplasma antibodies in a	Artificially induced immunity to enzootic abor-
Effects of selenium and vitamin E on nutritional	colony of research dogs and cats in California.	tion in ewes.
muscular dystrophy in lambs. 18242	18323	18246
EMEN	Biochemical and serologic characterestics of	Oxalate metabolism in sheep II. Effect of low level Halogeton glomeratus intake on electrolyte
The experimental use of bull semen con-	Vibrio isolants from cattle.	metabolism.
taminated with Pseudomonas aeruginosa organ-	Some studies on the pathogenesis and	18262
isms.	epizootiology of epizootic hemorrhagic disease	Psittacosis-lymphogranuloma venereum agent
18249	of deer.	isolated during an abortion epizootic in goats. 18286
EMINAL VESICLES Seminal vesiculitis syndrome: Lesions in genital	18340	Placental pathology of experimentally-induced
organs of young bulls.	SERRATIA MARCESCENS Results concerning humoral immunity of Pyrr-	enzootic abortion in ewes.
18208	hocoris apterus I. and Galleria mellonella F.	18300
ENECIO VULGARIS	17842	A comparison of methods of measuring the per-
Pyrrolizidine alkaloid poisoning in calves.	SERUM	sistance of neutralizing and haemagglutinin-in-
18412	Some studies on the pathogenesis and	hibiting antibodies to louping ill virus in experi- mentally infected sheep.
ENSE ORGANS Sensillae on the antennae of blood-sucking biting	cpizootiology of epizootic hemorrhagic disease of deer.	18302
midges (Diptera, Ceratopogonidae).	18340	Experimental bluetongue disease in white-tailed
17880	SERUM NEUTRALIZATION TEST	deer.
EPTORIA	A comparison of methods of measuring the per-	18336
The effect of disinfection on cereal seeds deter-	sistance of neutralizing and haemagglutinin-in- hibiting antibodies to louping ill virus in experi-	Pneumonia of sheep in Kenya. II. Pathology of chronic progressive pneumonia.
mined in laboratory experiments and emergence tests in soil.	mentally infected sheep.	18338
17924	18302	Effect of desiccation on survival of the free-living
EPTORIA APIICOLA	Immunization of foxes with inactivated wirus ra-	stages of Trichostrongylus colubriformis.
Conditions for infection of colery by Septoria	bies vaccine.	18353
apiicola.	SEX	Rearing lambs free of gastrointestinal ne-
ERODIAGNOSIS	A description of the pupa of the pales weevil,	matodes. 18368
Some characteristics of three porcine	Hylobius pales, and a method for identifying its	Studies on the spring phenomenon in ovine hel-
adenoviruses.	sex. 17773	minthiasis. 1. Spring rise in stabled sheep.
18228		18372
Utilization of the card test in brucellosis eradica-	Sex ratio in pupae of the yellow-striped armyworm.	A temperature study of the overwintering site of
tion. 18299	17789	the sheep bot fly Oestrus ovis L.
Hydatid latex agglutination with scolex and	A sex pheromone from the citrus mealybug.	SHELLFISH
crude polysaccharide antigens	17828	Detoxification of pesticidal residues in fish and

phila melanogaster.

spermatocytes.

Ordered chromosomal DNA synthesis in Droso-

Costelytra zealandica (White) sex attraction. 17845

Meiotic drive and visible polarity in Drosophila

shellfish.

cows.

17835

Detoxification of pesticidal residues in fish and

Niagara NIA-10242 insecticide residues: Their persistence in coastal bermudagrass, corn, and silages, and their effect, fed in silage, on lactating

18393

18400

Hydatid latex agglutination with scolex and crude polysaccharide antigens.

Studies of the epidemiology of arthropod-borne virus infections at Mitchell River Mission, Cape York Peninsula, north Qucensland. II. Arbovirus

infections of mosquitoes, man, and domestic fowls, 1963-1966.

SEROLOGICAL TESTS

The biology and ecology of Fusarium oxysporum

f. melonis in soil and the root zones of host and

SOIL FUNGI

17854

SIMULIUM DAMNOSUM SIMULIUM DAMNOSUM

SINNINGIA

The flight range of Simulium damnosum.

Pathogenic and cultural variation in	17944	adult emergence under two corn tillage systems.
Phytophthora nicotianae var parasitica from	Prevalence of Thielaviopsis basicola in naturally	18111
greenhouse plants.	infested soil after cultivation of various crops for	The influence of an organic soil amendment on
18064	five consecutive years. (Abstract).	infectivity and reproduction of Tylenchulus
SIPHONA KANGWAGYEI	17997	semipenetrans on two citrus rootstocks.
Siphona kangwagyei n. sp., a blood sucking fly	Effect of soil fungicides on development of fungi	18144
from Uganda (Diptera: Muscidae).	in soil and on kernels of groundnut.	Factors influencing the population fluctuation of
17776	18003	Pratylenchus penetrans in soil. III. Host plant
SIPHONAPTERA	Use of fluorescent brightener as aid to studies of	species.
Fleas (Siphonaptera) new to Norway.	fungistasis and nematophagous fungi in soil.	18156
17760	18440	Evaluation of weed control treatments in field
	SOIL MICROBIOLOGY	grown tobacco.
Epizootiologic observations of canine filariasis in	The suppression of actinomycetes by PCNB in	18158
Georgia.	culture media used for enumerating soil bacteria.	Ornamentals.
18330	17980	18164
SIREX NOCTILIO	SOIL MICROORGANISMS	
Parasitic and free-living cycles in entomogenous	The effect of amino acid antimetabolites on four	Fencerow weed control made easy. 18165
nematodes of the genus Deladenus.	nematode species and their host plants.	
17731	18146	Proposed federal Formosan termite quarantine
SKIN	Gamma irradiation of Heterodera schachtii.	safeguards. Buyer, seller. 18378
Note on the determination of carbaryl residues in	18152	
hen skin.	Plant-parasitic nematodes in grape and raspberry	Inorganic composition and microscopy of citrus
18406	soils of Ontario and a comparison of extraction	roots grown under several copper and soil
SLUGS	techniques.	amendment conditions.
Treatment for poisoning by slug bait.	18153	18428
18187	SOIL PROPERTIES	Effect of calcium availability on alfalfa grown in
SNAILS	Effects of nematode extraction method, soil mix-	calcareous high sodium soils.
Hyperglyceamia induced by 5-hydroxytryptamin	ture, and nematode numbers on the transmission	18464
in Achatina fulica (gastropod mollusca).	of tobacco ringspot virus by Xiphinema amer-	SOLAR DISTURBANCES
18178	icanum.	The connection between sunspot cycles and
	18070	mass mortality among vertebrates and non-ver-
SOCIAL INSECTS	SOIL SERIES	tebrates due to parasitic activity.
The leaf cutting ant, Atta capiguara, curse of the	Manganese toxicity in celery.	18327
pastures.	18413	SOLUTES
	SOIL STERILIZATION	Concentrations of solutes in blister rust infec-
Food distribution within colonies of the Argen-	Effect of soil sterilization and soil type on ap-	tions of western white pine. (Abstract).
tine ant, Iridomyrmex humilis (Mayr).	parent susceptibility of two muskmelon varieties	18030
17859	to Fusarium oxysporum f. sp. melonis. (Ab-	SORGHUM
CODIUM	to testimin on operation in sp. metoms. (110-	Spider populations in grain corphums

Permeability and excitation of insect muscle. 17896

Effect of calcium availability on alfalfa grown in

calcareous high sodium soils.

SODIUM HYPOCHLORITE

Morphological and physiological aspects of sporogony and oocyst viability in the protozoan parasites Eimeria tenella and Eimeria stiedae (Coccidia).

SOIL ADSORPTION

Effects of watering frequency and saturation time on fine root necrosis of peach caused by Pythium spp. (Abstract).

SOIL ANALYSIS

Effect of soil sterilization and soil type on apparent susceptibility of two muskmelon varieties to Fusarium oxysporum f. sp. melonis. (Abstract).

SOIL BACTERIA

The suppression of actinomycetes by PCNB in culture media used for enumerating soil bacteria.

The effect of species of Allium on soil bacteria in relation to germination of sclerotia of Sclerotium cepivorum Berk. 18434

SOIL CHEMISTRY

The effect of decomposing organic matter on zinc level in soil and plants. 18061

SOIL CONTAMINATION

Comparative Cs-137 content of agricultural crops grown in a contaminated soil. 18389

SOIL FUMIGATION

Effect of variety and fumigation on nematode populations in oats, wheat, and rye. 18147

stract).

17976

Chemical control of the stem nematode Ditylenchus dipsaci. 18137

SOIL TEMPERATURE

Temperature relationships of the development of northern corn rootworm eggs. 17802

Soil fumigants tested for control of crown gall. 17973

Stand loss of small grains in Florida.

18057 Injury to Heterodera tabacum by high soil tem-

peratures. (Abstract). 18143

SOIL TESTING

Evaluation of nematocides for controlling reniform nematodes on sweetpotatoes.

17918 Soil fumigants tested for control of crown gall.

SOILS

Comparison of application rates of some soil insecticides for control of western corn rootworm larvae in Missouri.

17866

17973

Life history of the looper Phigalia titea in Vir-

The effect of carbon source, carbon to nitrogen ratios, and organic amendments on survival of propagules of Verticillium albo-atrum in soil. 17921

Effect of soil fungicides on development of fungi in soil and on kernels of groundnut.

Effects on populations of corn rootworms of aldrin residues in soil four years after application. 18087

Oviposition preferences of western corn rootworms for various soil surface conditions. 18100

Loss of phorate from a granular formulation applied in the soil.

Western corn rootworm egg distribution and

17784

Notice of filing of petition regarding pesticide chemicals, kirk, j k.

SORGHUM HALEPENSE

Ultrastructure of Zea mays leaf cells infected with Johnson grass strain of sugarcane mosaic virus. (Abstract).

SOYBEAN MEAL

Alterations in the response and functions of the chicken pancreas induced by feeding unheated and autoclaved soybean meal.

SOYBEANS

A Phytophthora from subterranean clover roots that attacks soybean and other legumes. (Abstract).

18004 Multiplication of Pseudomonas glycinea in buds of soybean seedlings. (Abstract).

Systematic insecticide seed treatment tests on soybeans, bowling, c c.

Effect of temperature and variety on nematode development and gall production on soybeans infected with Meloidogyne incognita acrita. (Ab-

Weeds in agronomic crops. Field corn, soybeans.

Sporulation of Cephalosporium gregatum on naturally infested soybean straw. (Abstract)

Notice of filing of petition regarding pesticide chemicals, kirk, j k.

SPALAX EHRENBERGI

On the dispersal of the bulbs of Oxalis cernua Thunb. by mole-rats (Spalax ehrenbergi Nehring).

SPECTRO	DMETRY
---------	--------

Determination of cesium-137 and related sampling problems of dairy cattle feeds, 1962-1967.

Influence of the spectral composition of certain bands of visible and near visible radiation on diapause in the boll weevil.

17833

SPERMATOCYTES

Meiotic drive and visible polarity in Drosophila spermatocytes. 17909

18062

SPHACELOTHECA REILIANA Chemical control of corn head smut.

SPHODROMANTIS

On the Sphodromantis of the species viridis from northwest Africa. 17849

SPIDERS

A new species of Harpactea from the Pontine Islands (Arancae, Dysderidae).

17737

Notes on the chorology and ecology of Araneidae from the Alban Hills (Araneae). 17741

Erigonids from the Pontine Islands (Araneae Erigonidae). 17745

Spider populations in grain sorghums.

17784

Notice of filing of petition regarding pesticide chemicals. kirk, j k. 18476

SPINDLE TUBER (POTATOES)

tomized and radiated rabbits.

Potato spindle tuber virus: in situ sensitivity of the infectious agent to ribonuclease. (Abstract)

SPLEEN Anaplasma marginale-infectivity in splenee-

18210

SPODOPTERA EXIGUA

A study of the nuclear polyhedrosis virus on the beet armyworm, Spodoptera exigua (Hubner), with emphasis on stability, pathogenicity and histopathology.

17837

SPODOPTERA FRUGIPERDA

Resistance in bermudagrass to the fall armyworm. 18104

SPORE GERMINATION

The pathogenicity of secondary and tertiary basidiospores of Cronartium fusiforme. 18052

On light-sensitivity in germinating uredospores of wheat brown rust.

Physiology of germination of chlamydospores of Phytophthora cinnamomi.

SPORES

Irreversible inhibition of spore formation in Alternaria tomato by dedifferentation of conidiophores. (Abstract). 17939

Germination of immature and mature spores of Diplodia natalensis. (Abstract).

Mycelial growth and production of oospores as affected by beta-sitosterol, and the germination of oospores of Phytophthora mcgasperma var. sojae. (Abstract).

Clinical aspects of toxic infections by anaerobic germ spores in ruminants. 18229

Germination of Fomes applanatus basidiospores. (Abstract).

18429

Effect of anacrobiosis on germination and viability of Rhizopus stolonifer sporangiospores. (Abstract).

Dispersal patterns of Monilinia laxa spores in peach, prune, apricot, and almond trees during early spring. (Abstract).

18461

Extent of Aspergillus flavus and Fusarium oxysporum germination in soil and in the rhizo-sphere of peanut. (Abstract). 18445

Sporulation of Cephalosporium gregatum on naturally infested soybean straw. (Abstract). 18455

Temperature effects on Pleurotus ostreatus spore production (Abstract).

SPRAYING

Defense mechanisms of arthropods. XXI. Formic acid and n-nonyl acctate in the defensive spray of two species of Helluomorphoides.

Patch canker of Hevea brasiliensis caused by Phytophthora palmivora.

17967 Carbon dioxide-powered plot sprayer for turfgrass disease control fungicide application.

Alternaria tenuis on Antirrhinum.

18033

Increasing the efficacy of fungicidal control of black pod rot of cacao incited by Phytophthora palmivora. (Abstract).

Conditions for infection of celery by Septoria apiicola.

Chemical control of corn head smut.

18059 18062

Effect of MCPA on Icttuce pre-inoculated with lettuce mosaic virus.

18075

New fungicides effective for pecan scab control in Georgia. 18077

Further evaluation of acaricides for brown wheat mite control on winter wheat in Kansas, 1963-65.

Tests with insecticides for the control of resistant Myzus persicae (Sulzer) on year-round chrysanthemums.

18095 Introducing and establishing the noninclusion virus of the citrus red mite in citrus groves.

18117 Preplanting treatments for weed control in Connecticut shade grown tobacco.

18157 Fencerow weed control made easy.

18165

Forage crops, small grains. 18167

Further evaluation of animal systemic insecticides, 1967. 18347

Northern fowl mite control on mature turkeys on 18350

The statistical description of a spray in terms of drop velocity, size, and position. 18488

SPRAYING EQUIPMENT

Special equipment in the Box Elder County Mosquito and Fly Abatement District. 17911

Evaluation of weed control treatments in fieldgrown tobacco.

Speedometer adapted for fog calculations. 18494

SOUASH

Vegetable crops III. Cucumbers, watermelons, cantaloupes, squash. 18168

STAPHYLINIDAE

Some comparative data on ecology and behaviour of Staphylinid beetles (Coleoptera, Staphylinidae). 17890

STAPHYLOCOCCUS

Detection of antibiotic-fast staphylococci in otitis externa in dogs. 18346

STAPHYLOCOCCUS AUREUS

A case of porcine endocarditis associated with Staphylococcus aureus.

STARVATION

Reproduction of some poorly known species of Blattaria.

17765

18248

STATISTICAL ANALYSIS

The Columbian timber bectle, Corthylus columbianus (Coleoptera: Scolytidae). VIII. Artifacts and characteristics of the host tree.

18129

18151

Evaluation of some taxonomic indices in the potato rot nematode Ditylenchus destructor Thorne, 1945.

STATISTICAL METHODS

Correction coefficients for prognosing the development of insects by sums of effective temperatures (Agrotis segetum Schiff taking of example).

Estimation of radiation resistance values of microorganisms in food products.

18383

The statistical description of a spray in terms of drop velocity, size, and position.

18488

STATOLON

Influence of statolon-induced interferon on rabies virus infection in mice.

STEM RUST (WHEAT)

Stem rust infection and development in artificially inoculated fields of wheat at Hays, Kans., and its effect on yield, 1960 to 1965. (Abstract).

STERILIZATION

Isolation and purification of metabolites found in the urine of male rats fed aldrin and dieldrin.

Studies on the pathogen and vector of dutch elm disease. A. Morphogenesis in Ceratocystis ulmi. B. Chemicals stimulating feeding by Scolytus multistriatus. II. An improved method for the isolation of a toxic metabolite from Rhizoctonia leguminicola. 18051

STOMACH

Strychnine levels in tissues and stomach contents of poisoned dogs: An eleven year survey.

Changes in the efficacy of three anthelmintics during the maturation of a nematode (Trichinella spiralis). 18357

Parasitic development of Obeliscoides cuniculi in rabbits.

STOMATA

Stomatal movements; a yearly rhythm.

18473

18375

STOMOXYS CALCITRANS

Chemical sterilization of the stable fly Stomoxys calcitrans (Linnc), with metepa and hempa.

STORAGE

Pyrethrins-pipcronyl butoxide applied as a fog in an empty grain bin.

17897

STORAGE DISEASES

Relation of invasion of cereal grains and oil seeds by storage fungi to increase in total and major individual fatty acids. (Abstract).

18031

Survival of Rhopalosiphum padi in stored grain during cold weather.

Factors affecting the storage, excretion, and placental transfer of dieldrin in dairy cattle

18218

STORAGE DISEASES

Fungi in stored products.

18377

STRAW

Sporulation of Cephalosporium gregatum on naturally infested soybean straw. (Abstract)

18455

STRAWBERRIES

The foraging behavior of honeybees (Apis mellifera) and bumblebees (Bombus Spp.) on blackcurrant (Ribes nigrum), raspberry (Rubus idaeus) and strawberry (Fragaria x ananassa) flowers.

17732

18394

18294

18384

STREAMS

Effects on microfauna - freshwater.

Oxygen sag and stream self-purification.

18407

STREPTOCOCCUS AGALACTIAE Immunochemical and biochemical interrelation-

ship of Streptococcus agalactiae to the bovine 18238 STREPTOCOCCUS FECALIS

Liver granulomas of turkeys caustive agents and mechanism of infection.

STREPTOMYCES

Degradation of diazinon by synergistic microbial

STRIPE MOSAIC (BARLEY)

Effects of barley stripe mosaic virus infection on the respiration of barley leaves. (Abstract).

STRIPE RUST (WHEAT)

The summer biology of Puccinia striiformis in southeastern Washington. I. Induction of infection during the summer.

18072

STRONGYLOIDES

Gastrointestinal parasitism in feeder calves of southern Illinois.

18279

Pathological changes of blood depending on sex and age of rabbits experimentally infected with a sheep strain of Strongyloides papillosus.

18358

Observations on the effects of pyrvinium

pamoate on Strongyloides stercoralis.

18359

The blood of rabbits infected with Strongyloides papillosus after 20 serial passages through rab-

18367

STRONGYLOIDES RANSOMI

Treatment of Strongyloides ransomi infection of pigs with Thiabendazole and Dichlorvos.

STRONGYLOIDES STERCORALIS

Helminths as vehicles and synergists of microbial infections.

STRONGYLOIDIASIS

Rearing lambs free of gastrointestinal nematodes.

18368

STRYCHNINE

Strychnine levels in tissues and stomach contents of poisoned dogs: An cleven year survey. 18254

STYRENE POLYMERS

Gel permeation cleanup for malathion in wheat, using a non-ionic, cross-linked polystrene polymer.

SUBTERRANEAN CLOVER

Effect of seed extract of Trifolium subterraneum on germination and seedling growth rate.

A Phytophthora from subterranean clover roots that attacks soybean and other legumes. (Abstract).

SUCROSE

Studies on the effects of Hg(II) and sucrose on the mechanical transmission of tobacco mosaic virus ribonucleic acid to pinto bean (Phaseolus vulgaris L.).

SUGAR BEETS

Relationship of ethylene to curly top symptoms. (Abstract).

The use of menazon seed dressing to decrease spread of virus yellows in sugar-beet root crops

Anthocoris melanocerus as a predator of the green peach aphid on sugar beets and broccoli. 18121

Comparative Cs-137 content of agricultural crops grown in a contaminated soil. 18389

Mortality staging of dominant lethals induced in the F1 generation of sugarcane borer; Diatraea saccharalis (F.). 18127

Notice of filing of petition regarding pesticide chemicals, kirk, j k.

SULFAMETER

Experimental treatment of subclinical porcine case of Toxoplasma with sulfamonomethoxine and pyrimcthamine and its influence upon hemagglutinating antibody.

SULFUR

Studies on the fungitoxicity of captan. Vi. Decomposition of 35S-labelled captan by Neurospora crassa conidia.

SULFUR COMPOUNDS

Gas chromatographic detector for simultaneous sensing of phosphorus and sulfur-containing compounds by flame photometry.

SUNFLOWERS

Chemical control of the sunflower moth on sun-

A biochemical role for boron.

SUPELLA SUPELLECTILIUM

Influence of repellency on the efficacy of blatticides. IV. Comparison of four cockroach species 17814

SURFACE-ACTIVE AGENTS

On a mechanism of fungicidal action of surfaceactive agents. 18475

SURVEYS

On the distribution of Ixodes angustus Neum.(Ixodidae).

17768 Larch sawfly survival in relation to water levels and microtopography in tamarak bogs.

Cereal leaf miner in the South-east Region.

Occurrence of fiber containing fluorescent spots associated with Aspergillus flavus boll rot in the U.S. cotton crop of 1967.

Strychnine levels in tissues and stomach contents of poisoned dogs: An eleven year survey

Physiologic race changes in barley mildew 1964-

18254 Animal sentinels in a statewide arthropod-borne

encephalitis surveillance program. 18298

Tick resistance in cattle: its stability and correlation with various genetic characteristics. 18348

The toxicity and distribution of mercury. 18410

SWEETPOTATOES

Evaluation of nematocides for controlling reniform nematodes on sweetpotatoes. 17918

SWINE

18011

18098

18202

18123

17839

18092

18108

Hemiptera associated with pig carrion.

17764

18130

Effects of high gossypol cottonseed meal on the electrocardiogram of swine.

18179

Correction: Hemophilia-like disease of swine: Cytogenetic studies.

Oligosaccharidases from Macracanthorhynchus hirudinaceus (Acanthocephala) from swine

Levels of 5 beta-pregnan-3 alpha, 6 alpha-diol-20-one in urine and its relationship to other

metabolites of progestrone in urine of the nonpregnant domestic sow. Comparison of metabolites of progesterone-4-

14C in urine from a nonpregnant domestic sow 18190 Experimental treatment of subclinical porcine

case of Toxoplasma with sulfamonomethoxine and pyrimethamine and its influence upon hemagglutinating antibody. 18202 Microflora associated with agalactia syndrome of

18207

Salmonella typhisuis infection in Minnesota 18209

Properties of Aujeszky's disease virus strains iso-

lated from swine pneumonia cases. Hemophilia-like disease of swine: Cytogenetic

studies. 18773 porcine Some characteristics of three

adenoviruses. 18228

Effects of attenuated hog cholera virus in pregnant swine at various stages of gestation. 18230

Histopathologic changes in male swine with experimental Brucellosis.

A collective outbreak of transmissible gastroenteritis in swine. III. Isolation of a virus with cytopathogenic effect and its properties.

18741 Newcastle disease: A legal interpretation.

18245 A case of porcine endocarditis associated with Staphylococcus aureus.

An enzootic of pseudorabies in swine in Califor-

18257 Serologic response of swine to Escherichia coli

antigens. 18273 Treatment of Strongyloides ransomi infection of pigs with Thiahendazole and Dichlorvos.

Factors influencing aflatoxin accumulation in peanut kernels and the associated mycoflora.

18043

Cross protection between a plant virus and potato psyllid yellows.

18067

Prevalence of Trichinella spiralis in wild animals on two Illinois swine farms.	Studies on a biological and a chemical method of controlling the dark rice field mosquito in Loui-	Correction coefficients for prognosing the development of insects by sums of effective tem-
18282	siana. 18090	peratures (Agrotis segetum Schiff taking of example).
Electron optical and buoyant density studies of hog cholera virus.	Further evaluation of acaricides for brown wheat	17810 Ecological characteristics of the diapause of the
18285	mite control on winter wheat in Kansas, 1963-65.	Phytonome of the Luzerne Hypera variabilis.
Foot-and-mouth disease in swine. I. The immune response of swine to chemically-treated and non-	Studies on hydrogen phosphide against the red	(Col. Curculionidae).
treated foot-and-mouth disease virus.	flour beetle in a column of paddy. 18113	Mechanical and electrical activity in the indirect
Foot-and-mouth disease in swine. II. Some physi-	Chemical control of the sunflower moth on sun-	flight muscles of the honey bee.
calchemical characteristics of antibodies	flowers.	17820
produced by chemically-treated and non-treated foot-and-mouth disease virus.	Further evaluation of animal systemic insecti-	Field and laboratory studies on the ecology and morphology of Nabis americoferus Carayon and
18289	cides, 1967.	its parasites in California.
Histidine decardoxylase in strains of Escherichia	18347	
coli isolated from normal swine and swine with edema disease and enteric disorders. 18307	Niagara NIA-10242 insecticide residues: Their persistence in coastal bermudagrass, corn, and silages, and their effect, fed in silage, on lactating	A study of the nuclear polyhedrosis virus on the beet armyworm, Spodoptera exigua (Hubner), with emphasis on stability, pathogenicity and
Experimental production of rheumatoid arthritis	cows.	histopathology.
of swine: Physiopathologic changes of tissues.	18400	17837
18319	Light stimulated biosynthesis of gibbercllins in	Costelytra zealandica (White) sex attraction.
Sources of salmonellas in market swine.	Fusarium moniliforme.	17845
18342	18462	The influence of temperature and humidity on
Stained monolayer test: a color test in disposable	TACHINIDAE	the development of Tenebrio molitor L. 17850
plastic trays for titrating transmissible gastroen-	A revision of the oriental species of Palcxorista	On cold resistance of the pea aphid
teritis virus and neutralizing antibodies.	Townsend (Diptera: Tachinidae, Sturmiini). 17744	Acyrthosiphon pisum Harr (Homoptera, Aphididae).
Helminthic infestations of piglets with reference	TAR SPOT (CORN)	17869
to lesions encountered.	Preliminary studies on Phyllachora maydis af-	Role of photoperiod, temperature, and injury in
18371	fecting corn in Central America. (Abstract). 18054	induction and termination of the pupal diapause
Response of early-weaned pigs to amino acid	TAXONOMY	of Heliothis zea (Boddie).
supplementation of corn diets.	Two new species of Thyasidae (Acarina) from	17877
WINE INFLUENZA VIRUS	Nikko National Park Japan.	Rearing stored product insects for laboratory
Helminths as vehicles and synergists of microbial	17752	studies: Six species of moths. 17887
infections.	Fleas (Siphonaptera) new to Norway.	Pyrethrins-piperonyl butoxide applied as a fog in
18376	17760	an empty grain bin.
YMBIOSIS	Serological diagnostic method without isolation	17897
On Diptera in small mammal burrows in	of Erwinia amylovora culture from a diseased plant.	Mechanisms of inhibition and uncoupling of ox-
northern Europe and southern Spain.	18002	idative phosphorylation in housefly mitochon-
YMPETRUM DECOLORATUM	Introduction to Bacillus thuringiensis and its	dria. 17899
On the Metacercaria of Prosthogonimus	uses.	
putschkowskii in Sympetrum decoloratum	18103	Winter oviposition by the alfalfa weevil in Virginia.
(Odonata: insecta) with observations on its	The barley root-knot nematode in Illinois.	17900
development in chicks. 18370	18135	Comparative life histories of chlordane-resistant
YNANTHEDON PICTIPES	Evaluation of some taxonomic indices in the	and nonresistant German cockroaches.
A medium for laboratory rearing of the peach	potato rot nematode Ditylenchus destructor Thorne, 1945.	17901
tree and lesser peach tree borers.	18151	Meiotic drive and visible polarity in Drosophila
18114	Some characteristics of three porcine	spermatocytes. 17909
ABLES (DATA)	adenoviruses.	Studies of the epidemiology of arthropod-borne
Organothiocyanates as insecticides and carba- mate synergists.	18228	virus infections at Mitchell River mission, Cape
17785	Biochemical and biophysical properties of canine distemper virus.	York Peninsula, north Queensland. I. Mosquito
Temperature relationships of the development of	18306	collections, 1963-1966.
northern corn rootworm eggs.	TELIOSPORES	Effect of seed extract of Trifolium subterraneum
17802		
1,002	Teliospore germination of Puccinia recondita f.	
Difference in response of two strains of screw-	sp. tritici (Abstract).	on germination and seedling growth rate. 17920
Difference in response of two strains of screwworm flies to the male pheromone.	sp. tritici (Abstract).	on germination and seedling growth rate.
Difference in response of two strains of screwworm flies to the male pheromone. 17823	sp. tritici (Abstract). 18452 TEMPERATURE	on germination and seedling growth rate. 17920 The relation of rainfall, relative humidity, and temperature to late blight of potato in Sedes, Sin-
Difference in response of two strains of screw- worm flies to the male pheromone. 17823 New techniques to bioassay the sex attractant of	sp. tritici (Abstract). 18452 TEMPERATURE An improved incubator for insects for operation	on germination and seedling growth rate. 17920 The relation of rainfall, relative humidity, and temperature to late blight of potato in Sedes, Sindos-Lahanokipi of Nomos Thessaloniki.
Difference in response of two strains of screwworm flies to the male pheromone. 17823	sp. tritici (Abstract). 18452 TEMPERATURE An improved incubator for insects for operation above room temperature and relative humidity.	on germination and seedling growth rate. 17920 The relation of rainfall, relative humidity, and temperature to late blight of potato in Sedes, Sindos-Lahanokipi of Nomos Thessaloniki. 17925
Difference in response of two strains of screwworm flies to the male pheromone. 17823 New techniques to bioassay the sex attractant of pink bollworms with olfactometers.	sp. tritici (Abstract). 18452 TEMPERATURE An improved incubator for insects for operation above room temperature and relative humidity. 17734	on germination and seedling growth rate. 17920 The relation of rainfall, relative humidity, and temperature to late blight of potato in Sedes, Sindos-Lahanokipi of Nomos Thessaloniki. 17925 Disease involvement of nonalliaceous hosts by
Difference in response of two strains of screwworm flies to the male pheromone. 17823 New techniques to bioassay the sex attractant of pink bollworms with olfactometers. 17829 Field tests of chemicals for control of the European corn borer.	sp. tritici (Abstract). 18452 TEMPERATURE An improved incubator for insects for operation above room temperature and relative humidity. 17734 Circadian emergence rhythm of a tropical scolytid, Xyleborus ferrugineus.	on germination and seedling growth rate. 17920 The relation of rainfall, relative humidity, and temperature to late blight of potato in Sedes, Sindos-Lahanokipi of Nomos Thessaloniki. 17925
Difference in response of two strains of screwworm flies to the male pheromone. 17823 New techniques to bioassay the sex attractant of pink bollworms with olfactometers. 17829 Field tests of chemicals for control of the Eu-	sp. tritici (Abstract). 18452 TEMPERATURE An improved incubator for insects for operation above room temperature and relative humidity. 17734 Circadian emergence rhythm of a tropical	on germination and seedling growth rate. 17920 The relation of rainfall, relative humidity, and temperature to late blight of potato in Sedes, Sindos-Lahanokipi of Nomos Thessaloniki. 17925 Disease involvement of nonalliaceous hosts by Pyrenochaeta terrestris. (Abstract).
Difference in response of two strains of screwworm flies to the male pheromone. 17823 New techniques to bioassay the sex attractant of pink bollworms with olfactometers. 17829 Field tests of chemicals for control of the European corn borer. 17831 Effects of mold inhibitors in larval diet on the	sp. tritici (Abstract). 18452 TEMPERATURE An improved incubator for insects for operation above room temperature and relative humidity. 17734 Circadian emergence rhythm of a tropical scolytid, Xyleborus ferrugineus. 17767 A prodrome of the genus Orthopodomyia (Dip-	on germination and seedling growth rate. 17920 The relation of rainfall, relative humidity, and temperature to late blight of potato in Sedes, Sindos-Lahanokipi of Nomos Thessaloniki. 17925 Disease involvement of nonalliaceous hosts by Pyrenochaeta terrestris. (Abstract). 17947 Local lesion development in Turkish tobacco leaves heated after inoculation with tobacco
Difference in response of two strains of screwworm flies to the male pheromone. 17823 New techniques to bioassay the sex attractant of pink bollworms with olfactometers. 17829 Field tests of chemicals for control of the European corn borer. 17831 Effects of mold inhibitors in larval diet on the biology of the cabbage looper.	sp. tritici (Abstract). 18452 TEMPERATURE An improved incubator for insects for operation above room temperature and relative humidity. 17734 Circadian emergence rhythm of a tropical scolytid, Xyleborus ferrugineus. 17767 A prodrome of the genus Orthopodomyia (Diptera, Culicidae).	on germination and seedling growth rate. 17920 The relation of rainfall, relative humidity, and temperature to late blight of potato in Sedes, Sindos-Lahanokipi of Nomos Thessaloniki. 17925 Disease involvement of nonalliaceous hosts by Pyrenochaeta terrestris. (Abstract). 17947 Local lesion development in Turkish tobacco leaves heated after inoculation with tobacco mosaic virus. (Abstract).
Difference in response of two strains of screwworm flies to the male pheromone. 17823 New techniques to bioassay the sex attractant of pink bollworms with olfactometers. 17829 Field tests of chemicals for control of the European corn borer. 17831 Effects of mold inhibitors in larval diet on the biology of the cabbage looper. 17847	sp. tritici (Abstract). 18452 TEMPERATURE An improved incubator for insects for operation above room temperature and relative humidity. 17734 Circadian emergence rhythm of a tropical scolytid, Xyleborus ferrugineus. 17767 A prodrome of the genus Orthopodomyia (Diptera, Culicidae).	on germination and seedling growth rate. 17920 The relation of rainfall, relative humidity, and temperature to late blight of potato in Sedes, Sindos-Lahanokipi of Nomos Thessaloniki. 17925 Disease involvement of nonalliaceous hosts by Pyrenochaeta terrestris. (Abstract). 17947 Local lesion development in Turkish tobacco leaves heated after inoculation with tobacco mosaic virus. (Abstract).
Difference in response of two strains of screwworm flies to the male pheromone. 17823 New techniques to bioassay the sex attractant of pink bollworms with olfactometers. 17829 Field tests of chemicals for control of the European corn borer. 17831 Effects of mold inhibitors in larval diet on the biology of the cabbage looper. 17847 Comparison of application rates of some soil insecticides for control of western corn rootworm	sp. tritici (Abstract). 18452 TEMPERATURE An improved incubator for insects for operation above room temperature and relative humidity. 17734 Circadian emergence rhythm of a tropical scolytid, Xyleborus ferrugineus. 17767 A prodrome of the genus Orthopodomyia (Diptera, Culicidae). 17775 Bionomics of the mosquito Anopheles franciscanus Mccracken in California.	on germination and seedling growth rate. 17920 The relation of rainfall, relative humidity, and temperature to late blight of potato in Sedes, Sindos-Lahanokipi of Nomos Thessaloniki. 17925 Disease involvement of nonalliaceous hosts by Pyrenochaeta terrestris. (Abstract). 17947 Local lesion development in Turkish tobacco leaves heated after inoculation with tobacco mosaic virus. (Abstract). 17983 High-temperature-induced insoluble coat protein in tobacco mosaic virus (TMV)-infected
Difference in response of two strains of screwworm flies to the male pheromone. 17823 New techniques to bioassay the sex attractant of pink bollworms with olfactometers. 17829 Field tests of chemicals for control of the European corn borer. 17831 Effects of mold inhibitors in larval diet on the biology of the cabbage looper. 17847 Comparison of application rates of some soil insecticides for control of western corn rootworm larvae in Missouri.	sp. tritici (Abstract). 18452 TEMPERATURE An improved incubator for insects for operation above room temperature and relative humidity. 17734 Circadian emergence rhythm of a tropical scolytid, Xyleborus ferrugineus. 17767 A prodrome of the genus Orthopodomyia (Diptera, Culicidae). 17775 Bionomics of the mosquito Anopheles franciscanus Mccracken in California.	on germination and seedling growth rate. 17920 The relation of rainfall, relative humidity, and temperature to late blight of potato in Sedes, Sindos-Lahanokipi of Nomos Thessaloniki. 17925 Disease involvement of nonalliaceous hosts by Pyrenochaeta terrestris. (Abstract). 17947 Local lesion development in Turkish tobacco leaves heated after inoculation with tobacco mosaic virus. (Abstract). 17983 High-temperature-induced insoluble coat protein in tobacco mosaic virus (TMV)-infected plants. (Abstract).
Difference in response of two strains of screwworm flies to the male pheromone. 17823 New techniques to bioassay the sex attractant of pink bollworms with olfactometers. 17829 Field tests of chemicals for control of the European corn borer. 17831 Effects of mold inhibitors in larval diet on the biology of the cabbage looper. 17847 Comparison of application rates of some soil insecticides for control of western corn rootworm larvae in Missouri. 17866	sp. tritici (Abstract). 18452 TEMPERATURE An improved incubator for insects for operation above room temperature and relative humidity. 17734 Circadian emergence rhythm of a tropical scolytid, Xyleborus ferrugineus. 17767 A prodrome of the genus Orthopodomyia (Diptera, Culicidae). 17775 Bionomics of the mosquito Anopheles franciscanus Mccracken in California. 17783 Oncogenesis in the (tu) y2v;vg strain of Droso-	on germination and seedling growth rate. 17920 The relation of rainfall, relative humidity, and temperature to late blight of potato in Sedes, Sindos-Lahanokipi of Nomos Thessaloniki. 17925 Disease involvement of nonalliaceous hosts by Pyrenochaeta terrestris. (Abstract). 17947 Local lesion development in Turkish tobacco leaves heated after inoculation with tobacco mosaic virus. (Abstract). 17983 High-temperature-induced insoluble coat protein in tobacco mosaic virus (TMV) -infected plants. (Abstract).
Difference in response of two strains of screwworm flies to the male pheromone. 17823 New techniques to bioassay the sex attractant of pink bollworms with olfactometers. 17829 Field tests of chemicals for control of the European corn borer. 17831 Effects of mold inhibitors in larval diet on the biology of the cabbage looper. 17847 Comparison of application rates of some soil insecticides for control of western corn rootworm larvae in Missouri. 17866 Rearing stored product insects for laboratory	sp. tritici (Abstract). 18452 TEMPERATURE An improved incubator for insects for operation above room temperature and relative humidity. 17734 Circadian emergence rhythm of a tropical scolytid, Xyleborus ferrugineus. 17767 A prodrome of the genus Orthopodomyia (Diptera, Culicidae). 17775 Bionomics of the mosquito Anopheles franciscanus Mccracken in California.	on germination and seedling growth rate. 17920 The relation of rainfall, relative humidity, and temperature to late blight of potato in Sedes, Sindos-Lahanokipi of Nomos Thessaloniki. 17925 Disease involvement of nonalliaceous hosts by Pyrenochaeta terrestris. (Abstract). 17947 Local lesion development in Turkish tobacco leaves heated after inoculation with tobacco mosaic virus. (Abstract). 17983 High-temperature-induced insoluble coat protein in tobacco mosaic virus (TMV)-infected plants. (Abstract). 17993 The role of cotton and bean seed exudate in pre-
Difference in response of two strains of screwworm flies to the male pheromone. 17823 New techniques to bioassay the sex attractant of pink bollworms with olfactometers. 17829 Field tests of chemicals for control of the European corn borer. 17831 Effects of mold inhibitors in larval diet on the biology of the cabbage looper. 17847 Comparison of application rates of some soil insecticides for control of western corn rootworm larvae in Missouri. 17866	sp. tritici (Abstract). 18452 TEMPERATURE An improved incubator for insects for operation above room temperature and relative humidity. 17734 Circadian emergence rhythm of a tropical scolytid, Xyleborus ferrugineus. 17767 A prodrome of the genus Orthopodomyia (Diptera, Culicidae). 17775 Bionomics of the mosquito Anopheles franciscanus Mccracken in California. 17783 Oncogenesis in the (tu) y2v;vg strain of Drosophila melanogaster.	on germination and seedling growth rate. 17920 The relation of rainfall, relative humidity, and temperature to late blight of potato in Sedes, Sindos-Lahanokipi of Nomos Thessaloniki. 17925 Disease involvement of nonalliaceous hosts by Pyrenochaeta terrestris. (Abstract). 17947 Local lesion development in Turkish tobacco leaves heated after inoculation with tobacco mosaic virus. (Abstract). 17983 High-temperature-induced insoluble coat protein in tobacco mosaic virus (TMV) -infected plants. (Abstract).
Difference in response of two strains of screwworm flies to the male pheromone. 17823 New techniques to bioassay the sex attractant of pink bollworms with olfactometers. 17829 Field tests of chemicals for control of the European corn borer. 17831 Effects of mold inhibitors in larval diet on the biology of the cabbage looper. 17847 Comparison of application rates of some soil insecticides for control of western corn rootworm larvae in Missouri. 17866 Rearing stored product insects for laboratory studies: Six species of moths.	sp. tritici (Abstract). 18452 TEMPERATURE An improved incubator for insects for operation above room temperature and relative humidity. 17734 Circadian emergence rhythm of a tropical scolytid, Xyleborus ferrugineus. 17767 A prodrome of the genus Orthopodomyia (Diptera, Culicidae). 17775 Bionomics of the mosquito Anopheles franciscanus Mccracken in California. 17783 Oncogenesis in the (tu) y2v;vg strain of Drosophila melanogaster.	on germination and seedling growth rate. 17920 The relation of rainfall, relative humidity, and temperature to late blight of potato in Sedes, Sindos-Lahanokipi of Nomos Thessaloniki. 17925 Disease involvement of nonalliaceous hosts by Pyrenochaeta terrestris. (Abstract). 17947 Local lesion development in Turkish tobacco leaves heated after inoculation with tobacco mosaic virus. (Abstract). 17983 High-temperature-induced insoluble coat protein in tobacco mosaic virus (TMV)-infected plants. (Abstract). 17993 The role of cotton and bean seed exudate in preemergence infection by Rhizoctonia solani.

northern corn rootworm eggs.

Temperature relationships of the development of

17791

17802

Aphid vectors of barley yellow dwarf virus in blacklight traps in eastern United States.

17900

18089

TENEBRIO MOLITOR

of wheat brown rust.

On light-sensitivity in germinating uredospores

Effects of early-, mid-, and late-season infestations of two-spotted spider mites on the yield of

cotton. la spiralis). 18378 Survival of Rhopalosiphum padi in stored grain TESCHEN DISEASE VIRUS THIELAVIOPSIS BASICOLA during cold weather. Biophysical studies of Teschen disease virus 18097 Prevalence of Thielaviopsis basicola in naturally (Talfan strain). infested soil after cultivation of various crops for The tolerance of imported commodities to fu-18339 five consecutive years. (Abstract). migation with methyl bromide. TETANUS TOXOID 18112 Response of lymphocyte-depleted calves to fluid THIOCYANATES Effect of temperature and variety on nematode tetanus toxoid. Water, electrolyte, and acid-base alterations in development and gall production on soybeans in-18293 experimental canine leptospirosis. fected with Meloidogyne incognita aerita. (Ab-TETRAMISOLE 18244 stract). Changes in the efficacy of three anthelmintics THIOURACIL during the maturation of a nematode (Trichinel-Influence of dietary vitamin A on cholesterol The growth, development and control of comla spiralis). metabolism of chickens. mon ragweed. 18185 18160 TETRANYCHIDAE Growth, development and control of wild radish. A new genus and species of the phytophagous 18162 mite (Bryobiidae, Aeariformes). Fusarium oxysporum. (Abstract). Characterization studies on feline panleucopenia virus. (with). II. Pathogenesis in the host. TETRANYCHUS THYROXINE 18233 Effects of early-, mid-, and late-season infesta-An enzootic of pseudorabies in swine in Califortions of two-spotted spider mites on the yield of calcification. cotton. 18292 THYSANOPTERA The penetration patterns of Salmonella typhimu-THEILERIA PARVA New Indian Thysanoptera. rium through the outer structures of chicken The development of Theileria parva in the saliva-CRRS. ry glands of the tick, Rhipicephalus appendicuin Finland. Effect of desiceation on survival of the free-living 17753 stages of Trichostrongylus colubriformis. THERAPEUTICS 18353 Gamma-ray-induced mutations in Drosophila Prevalence of Thielaviopsis basicola in naturally A temperature study of the overwintering site of melanogaster oocytes: The phenomenon of dose the sheep bot fly Oestrus ovis L. five consecutive years. (Abstract). 18373 17997 Fungi in stored products. Chemical treatment of Hypoxylon eankers on 18377 aspen. (Abstract). adult emergence under two corn tillage systems. Water pollution. Effects of pollution on fish life. 18111 General aspects of water pollution biology. Resistance breakdown in maize to maize dwarf mosaic virus after treatment with atrazine. (Ab-Oxygen sag and stream self-purification. stract). safeguards. Buyer, seller. 18407 18378 Dispersal patterns of Monilinia laxa spores in Experimental treatment of subclinical poreine peach, prune, apricot, and almond trees during ease of Toxoplasma with sulfamonomethoxine Temperature relationships of the development of early spring. (Abstract). and pyrimethamine and its influence upon northern corn rootworm eggs. hemagglutinating antibody. 17802 18202 Effect of temperature on germination of Podosphaera leucotricha conidia. (Abstract). Field experiment with the anticoceidial hocoris apterus I. and Galleria mellonella F dimethyalium. Electron micrographs of Rhizopus stolonifer 18259 Effects of watering frequency and saturation sporanciospores subjected to chilling. (Ab-Medicated feeds; approval of new drug applicatime on fine root necrosis of peach caused by stract). tions. Pythium spp. (Abstract). 18458 Temperature effects on Pleurotus ostreatus Contagious bovine pleuropneumonia and the spore production (Abstract). problems associated with its control. 18461 18276 five consecutive years. (Ahstract). 17997 Stomatal movements; a yearly rhythm. The use of polyvalent inactivated vaccine therapeutically against equine influenza. Metabolism of amitrole (3-amino-1,2,4-triazole) 18278 from the past 100 years. in relation to the differential susceptibility of Cir-An outbreak of Ornithosis in fowls. sium arvense (L.) scop. ecotypes. 18318

The statistical description of a spray in terms of

Low temperature irradiation applied to neutron

activation analysis of mercury in human whole

drop velocity, size, and position.

18488 Engineering and biological aspects of designing

and using a selective flame weeder.

TENEBRIO MOLITOR

blood.

The influence of temperature and humidity on the development of Tenehrio molitor L. 17850

Experimental infection of gnotobiotic Tenebrio molitor and white rats with Hymenolepis diminuta (Cestoda: Cyclophyllidea). 18363

TERMITES

Suhterranean termite studies in southern On-

Proposed federal Formosan termite quarantine safeguards. Buyer, seller.

Common disease problems in laboratory animals. 18332

Detection of antibiotic-fast staphylococci in otitis externa in dogs.

Diagnosis, treatment, and preventive therapy for heartworms.

THERAPY

18484

Experimental studies in mice on the therapy of trichinellosis (Thiabendazole, Neguvon, cortisone, azulen, sera).

THERIOAPHIS MACULATA

Lack of cytoplasmic inheritance of alfalfa resistance to the spotted alfalfa aphid.

18099

18366

THIAZOLYL)-BENZIMIDIZOLE, 2-(4-

Treatment of Strongyloides ransomi infection of pigs with Thiabendazole and Dichlorvos.

Changes in the efficacy of three anthelminties during the maturation of a nematode (Trichinel-

Effect of thiram upon glucose eatabolism by

Mineral and endoerine interrelationships in renal

17738

The composition of the thrips species in cereals

infested soil after cultivation of various crops for

Western eorn rootworm egg distribution and

Proposed federal Formosan termite quarantine

Results concerning humoral immunity of Pyrr-

17842

Prevalence of Thielaviopsis basicola in naturally infested soil after cultivation of various crops for

Mercury content in feathers of Swedish birds

18198 Resistance of eattle to the tick Boophilus microplus (Canestrini). II. Stages of the life cycle

of the parasite against which resistance is manifest 18351

Insecticide residues in pest control. 18401

Red light induction of gibberellin synthesis in leaves. 18468

TIMOPHEEVI WHEAT

Seedling resistance to powdery mildew of Purdue 5752C1-7-5-1 wheat derived from Triticum timopheevi. (Abstract). 17987

TISSUE CULTURE

Isolation and properties of Plasmodiophora brassicae plasmodia from infected crueifer tissues and tissue culture callus. (Abstract).

Cytomorphological features of TMV-INFECTED tobacco callus cells in tissue culture. 18063	Copper and ascorbic acid in guinea pig tissues as effected by dietary intake. 18290	Tomato bushy stunt virus on tomato crops in Argentina. 18047
Properties of Aujeszky's disease virus strains isolated from swine pneumonia cases.	Experimental production of rheumatoid arthritis of swine: Physiopathologic changes of tissues.	Pathogenic and cultural variation in Phytophthora nicotianae var parasitica from
Hog cholera: Replication of hog cholera virus in	18319 Electron microscopy of bovine papilloma and	greenhouse plants.
tissue culture with cytopathic effect. 18231	deer fibroma viruses. 18328	Alterations in the auxin levels of resistant and susceptible hosts induced by the curly top virus.
Electron microscopic studies on the development of vesicular stomatitis virus. 18236	Effect of culture filtrates of Pseudomonas phaseolicola on the growth of excised roots and	Bacterial canker of tomato; inoculum level
Newcastle disease: A legal interpretation.	callus tissue cultures of bean. (Abstract). 18422	needed for infection. 18071
18245	Inorganic composition and microscopy of citrus	Injury to Heterodera tabacum by high soil tem-
The experimental production of a formalin-killed Japanese encephalitis virus vaccine from porcine kidney cell cultures.	roots grown under several copper and soil amendment conditions.	peratures. (Abstract). 18143 The effect of amino acid antimetabolites on four
18260	Plant growth regulations in Ditylenchus dipsaci,	nematode species and their host plants.
Studies on the replication of African horse- sickness virus in two different cell line cultures.	Ditylenchus triformis and host tissues. 18437	Vegetable crops. IV. Beans, sweet corn, to-
Changes in protein and nucleic acid metabolism	Effect of 3-indoleacetic acid on phospholipid membrane components of Avena coleoptiles.	matoes, rhubarb. 18173
in baby hamster kidney cells infected with foot- and-mouth disease virus.	18481	Nutritional requirements of a tomato tissue cul- ture: Growth promoting factors from peas.
18308	TOBACCO Catch of insects at different heights in traps	18478
lonizing irradiation of foot-and-mouth disease	equipped with blacklight lamps.	TOPOGRAPHY
virus and its ribonucleic acid. 18309	17736 Some effects of gamma radiation on the tobacco	Larch sawfly survival in relation to water levels and microtopography in tamarak bogs.
Some factors affecting interferon production by foot-andmouth disease virus in bovine tissue cul-	budworm Heliothis virescens (Fabricius).	TOXICOLOGY 17839
tures.	Local lesion development in Turkish tobacco	Activation of malathion by the locust bodywall.
Interference between modified and virulent	leaves heated after inoculation with tobacco mosaic virus. (Abstract).	17777 Comparative toxicity (Mammalia, Insecta,
strains of footand-mouth disease virus.	17983	Acarina) of recent S,S-dimethyl S-benzyl deriva-
Nutritional requirements of a tomato tissue cul-	Investigations of the mechanism of the necrotic	tives substituted for tri- and tetrathiophosphoric
ture: Growth promoting factors from peas.	response of Nicotiana tabacum L. var. Samsun NN to infection with tobacco mosaic virus.	acids. 17800
18478	17985	Tests with insecticides for the control of resistant
ISSUES	High-temperature-induced insoluble coat	Myzus persicae (Sulzer) on year-round
Notes on microanalytical techniques in the analysis of foods for extraneous materials.	protein in tobacco mosaic virus (TMV) -infected plants. (Abstract).	chrysanthemums.
17792	17993	Loss of phorate from a granular formulation ap-
Accumulation of glycine in the fat body of the silkworm, Bombyx mori L.	An investigation of the tobacco mosaic virus	plied in the soil.
17803	multiplication process and its effect on the metabolism of the host.	Treatment for poisoning by slug bait.
The influence of temperature and humidity on the development of Tenebrio molitor L.	17998	18187
17850	Tobacco necrosis virus and its satellite virus. 18007	Effect of organo-Phosphorus insecticides on the warm blooded animals and cure thereof.
Cellular immune responses of insects to foreign	Differentiation of races of Pseudomonas	18193
tissue implants.	solanacearum by a hypersensitive reaction of tobacco leaves. (Abstract).	Copper and ascorbic acid in guinea pig tissues as effected by dietary intake.
Successful tissue transplantation of auxin-dependent tumours and some of its problems.	18025	18290
17935	Induced resistance to bacterial wilt in susceptible	Detoxification of pesticidal residues in fish and
Patch canker of Hevea brasiliensis caused by Phytophthora palmivora.	tobacco cuttings pretreated with avirulent mu- tants of Pseudomonas. (Abstract).	shellfish. 18393
17967	18029	The toxicity and distribution of mercury.
The role of cotton and bean seed exudate in pre- emergence infection by Rhizoctonia solani.	Interaction of Meloidogyne javanica and Phytophthoura parasitica var nicotianae on Nico-	Pyrrolizidine alkaloid poisoning in calves.
17994	tiana tabacum (N. C. 95.' (Abstract).	Manganese toxicity in celery
Isolation and properties of Plasmodiophora bras- sicae plasmodia from infected crucifer tissues	Preplanting treatments for weed control in Con-	Manganese toxicity in celery. 18413
and tissue culture callus. (Abstract).	necticut shadegrown tobacco.	On the principal way of attack of rotenone in
18008	18157	fish.
Occurrence of Agrophron mosaic virus in Montana.	Evaluation of weed control treatments in field- grown tobacco.	Toxic effects of odorous trace organics.
18058	18158	18417
Bacterial canker of tomato; inoculum level needed for infection.	Tobacco. 18171	The toxicology of different organo-mercurials used as fungicides.
18071	Location of unique sequences in tobacco mosaic	18418
Mycotic abortion in ewes produced by Aspergil- lus fumigatus: pathologic changes.	virus ribonucleic acid.	A review of drug toxicity in the cat.
18184	TOMATOES	Active uptake of Helminthosporium carbonum
Experimental colibacillosis and the development	Experiments and considerations on the anomo-	toxin and its effect on CO2 dark fixation by corn.
of carries in laying hens. 18206	lies of tomatoes of the super marmande type in hot houses, connections with the use of some	(Abstract). 18453
Characterization studies on feline panleucopenia	plant hormones.	
virus. (with). II. Pathogenesis in the host.	17933	Amino acid-(phenylazo)-phenylderivatives. xX- III. investigation of the phytotoxic effect of the
18233	Irreversible inhibition of spore formation in Al-	antipodes of alanine-and phenylalanine-4-(phen-
The response of various tissues in neonate calves to bovine papilloma virus (BPV).	ternaria tomato by dedifferentation of conidiophores. (Abstract).	ylazo)-phenylamides against various plant spe- cies.

Susceptibility of tomato varieties to Sclerotium rolfsii.

18251

18254

Strychnine levels in tissues and stomach contents of poisoned dogs: An eleven year survey.

17939

17968

active agents.

On a mechanism of fungicidal action of surface-

TOXINS

The impact of fungi on man. QK603.0T3.	in Georgia.	infections.
		1837
A comparative study of cell wall glycopeptide structure of some bovine vibrios. 18247	TREE INJURIES Role of nitrogen in wood deterioration, VI. Mycelial fractions and model nitrogen com-	TRICHINOSIS Relationship between infecting dose, muscl parasitism, and antibody response in experimer
Isolation of a new toxin from cultures of Asper- gillus flavus.	pounds as substrates for growth of Polyporus ver- sicolor and other wood-destroying and wood-in-	tal trichinosis in rabbits. 1832
18416	habiting fungi.	Experimental studies in mice on the therapy of
TOXOCARA CANIS Studies on parasitic granuloma in the dog. 18365	Studies of the insect complex affecting seed production of ponderosa pine in California.	trichinellosis (Thiabendazole, Neguvon, contisone, azulen, scra). 1836
Helminths as vehicles and synergists of microbial	18101	TRICHODORUS
infections.	Reinfestation of forest sites by the Texas leaf- cutting ant.	Control of endo- and ecto-parasitic nematodes i turf by hot-water treatments.
TOXOPLASMA GONDII	18107	1813
Mitochondrial involvement in the host-parasite relationship. 18305	Attack of the black turpentine beetle on roots of slash pines.	TRICHODORUS CHRISTIEI Electron microscopic studies of the nervou
	18118	system of Trichodorus christici (Abstract). 1844
Serologic survey for toxoplasma antibodies in a colony of research dogs and cats in California. 18323	Control of the elm leaf beetle in Arizona. 18128	TRICHODORUS VIRULIFERUS The host-parasite relations and ecology of
TOXOPLASMOSIS	TREES Additional information on the pathogenicity of	Trichodorus viruliferus on apple roots, as of
Studies on the biological properties of Tox- oplasma gondii in the body of insects, using	Seleroderris lagerbergii.	scrved from an underground laboratory. 1814
Pediculus humanus L. as test animals. 17812	Improved technique to control shot hole borers	TRICHOPLUSIA NI Effects of mold inhibitors in larval diet on th
Experimental treatment of subclinical porcine	and bark beetles.	biology of the cabbage looper.
case of Toxoplasma with sulfamonomethoxine and pyrimethamine and its influence upon	Attempts at combatting oystershell scale,	1784
hemagglutinating antibody.	Lepidosaphes ulmi (L.),on appletrees in orchards of Quebec.	A possible marker for european corn bore moths.
Mitochondrial involvement in the host-parasite	18109	1788
relationship.	Dispersal patterns of Monilinia laxa spores in peach, prune, apricot, and almond trees during	TRICHOSTRONGYLOSIS Parasitic development of Obeliscoides cunicu
TOXOPTERA AURANTII	early spring. (Abstract).	in rabbits.
The presence of tristeza virus in certain species	18435	1837
of citrus in Cyprus.	TREMATODA	TRICHOSTRONGYLUS Nematodiasis in Louisiana dairy cattle. Impact of
18042	Transmission of salmon poisoning disease to dogs by Nanophyetus salmincola eggs.	host nutrition upon experimental ostertagiasis i
TRACTORS Speedometer adapted for fog calculations.	18301	the bovine.
18494	The connection between sunspot cycles and	1821
TRANSPLANTING Analysis of the development of oviducts and the	mass mortality among vertebrates and non-ver- tebrates due to parasitic activity. 18327	TRICHOSTRONGYLUS COLUBRIFORMIS Effect of desiccation on survival of the free-livin stages of Trichostrongylus colubriformis.
developmental relations between oviduets and	A new technique for the recovery of Fasciola gi-	1835
ovaries in Drosophila virilis. Part one: Develop- ment of oviduets under normal and experimental	gantica eggs from cattle faeces.	TRIFLURALIN
eonditions. Part two: Analysis of alterations oe- eurring in oviduets during imaginal life.	Lesions caused by the hepatic trematode, Me-	Preplanting treatments for weed control in Cor necticut shadegrown tobacco.
17782	torchis conjunctus, Cobbold, 1860; A compara-	1815
Cellular immune responses of insects to foreign tissue implants.	tive study in Carnivora.	Tolerances and exemptions from tolerances for pesticide chemicals in or on raw agricultura
tissue impiants.	On the Metacerearia of Prosthogonimus	commodities. Trifluralin.
Successful tissue transplantation of auxin-depen-	putschkowskii in Sympetrum decoloratum	1839
dent tumours and some of its problems. 17935	(Odonata: insecta) with observations on its development in chicks.	TRISTEZA (CITRUS) The presence of tristeza virus in certain specie
Factors affecting the infection of black spruce	18370	of citrus in Cyprus.
(Picea mariana Mill.) transplants by Cylin- drocladium scoparium.	TRIAZINES Heterocyclically substituted monohalogeno-	TRIZONE 1804
18056	1,3,5-triazines. Patent 3,407,201.	Factors affecting the infection of black spruc
Preplanting treatments for weed control in Con-	18490	(Picea mariana Mill.) transplants by Cylir
neeticut shadegrown tobacco. 18157	TRIBOLIUM CASTANEUM Studies on hydrogen phosphide against the red	drocladium scoparium. 1805
Ornamentals.	flour beetle in a column of paddy.	TRYCOPHYTON
18164	18113	An outbreak of ringworm among cattle i
Experimental transmission of two canine neoplasms: Lymphosarcoma and mast cell leu-	TRIBOLIUM CONFUSUM The tolerance of imported commodities to fu-	Shimane. 1825
kemia.	migation with methyl bromide.	TRYPAN BLUE
18310	18112	Vital stainining of insect eggs by incorporation of
TRAPAEOLUM MAJUS	Experimental infection of gnotobiotic Tenebrio	trypan blue. 1787
Interaction of growth regulators in the senescence of nasturtium leaf disks.	molitor and white rats with Hymenolepis diminu- ta (Cestoda: Cyclophyllidea).	TRYPTOPHAN
18426	18363	Physiological genetics of melanotic tumors i
TREE DISEASES Two new hardwood hosts of Fomes annosus.	TRICHINELLA SPIRALIS Prevalence of Trichinella spiralis in wild animals	Drosophila melanogaster . V. Amino aci metabolism and tumor formation in the tu bw;
17930	on two Illinois swine farms.	su-tu strain. 1 79 0
Anatomic effects of eadang-cadang disease on eoconuts.	Relationship between infecting dose, muscle	TULAREMIA
17940	parasitism, and antibody response in experimen-	Gamasid mites (Gamasoidea) as vectors of the
Susceptibility of weakened cottonwood stems to fungi associated with blackstem.	tal trichinosis in rabbits.	disease causative agents. 1791
18055	Changes in the efficacy of three anthelmintics	TUNNELS
Additional information on the pathogenicity of	during the maturation of a nematode (Trichinel-	On Diptera in small mammal burrows i
Scleroderris lagerbergii.	la spiralis).	northern Europe and southern Spain.

T	1	١	R	T.	

Carbon dioxide-powered plot sprayer for turfgrass disease control fungicide application.

TURKEYS

Mycoplasma meleagridis ('N' strain mycoplasma PPLO): Relationship of air sac lesions and isolations in day old turkeys (Meleagridis Gal-

Liver granulomas of turkeys caustive agents and mechanism of infection.

18294

Northern fowl mite control on mature turkeys on range.

18350

TURNIPS

Spermidine, the major polyamine component of turnip yellow mosaic virus. (Abstract). 17946

TYLENCHORHYNCHUS

Control of endo- and ecto-parasitic nematodes in turf by hot-water treatments.

TYLENCHULUS SEMIPENETRANS

The influence of an organic soil amendment on infectivity and reproduction of Tylenchulus semipenetrans on two citrus rootstocks.

TYLENCHUS EMARGINATUS

Parasitism of Tylenchus emarginatus on conifer seedling roots and some observations on the biology of the nematode.

18150

A mechanism of enhanced resistance to Ceratocystis ulmi in American elms treated with sodium trichlorophenylacetate.

17956 TYROSINE Results concerning humoral immunity of Pyrr-

hocoris apterus I. and Galleria mellonella F.

Tyrosine metabolism and its hormonal control after eclosion in the adult fleshfly Sarcophaga bullata Parker (Diptera: Sarcophagidae).

A new genus and two new species of mirid bugs (Heteroptera, Miridae) from the eastern regions of the USSR.

17755

A mechanism of enhanced resistance to Ceratocystis ulmi in American elms treated with sodium trichlorophenylacetate.

17956

Effect of control programs on development of cpidemics of Dutch elm disease. (Abstract).

18034

Control of the elm leaf beetle in Arizona.

18128

ULMUS AMERICANA

Two new hardwood hosts of Fomes annosus.

17930

ULTRAVIOLET RAYS

The effect of ultra-violet radiation on the invasion, survival and fertility of larvae of Heterodera rostochiensis.

18136

Does the agent of scrapie replicate without nucleic acid.

18205

UREA

Effects of urease inhibitors on sheep fed diets containing urea.

18182

UREASE

Effects of urease inhibitors on sheep fed diets containing urea.

18182

UREDIOSPORES

The summer biology of Puccinia striiformis in southeastern Washington. I. Induction of infection during the summer.

18072

UREDOSPORES

The frequency of penetration of epidermal strips and intact wheat leaves by Puccinia graminis f. sp. tritici. 18060

URIDINE

Nucleoprotein synthesis during mctamorphosis in Drosophila virilis.

Levels of 5 beta-pregnan-3 alpha, 6 alpha-diol-20-one in urine and its relationship to other metabolites of progestrone in urine of the nonpregnant domestic sow.

Administration of glycuronic acid and its excretion in dairy cows.

Isolation and purification of metabolites found in the urine of male rats fed aldrin and dieldrin. 18379

UROMYCES PHASEOLI

Effect of Uromyces phaseoli on the water relations of primary bean leaves. (Abstract).

VACCINES

Results concerning humoral immunity of Pyrrhocoris apterus I. and Galleria mellonella F 17842

Properties of Aujeszky's disease virus strains isolated from swine pneumonia cases.

One-year immunity in dogs vaccinated with high egg-passage rables virus grown on established dog kidney cell line.

The experimental production of a formalin-killed Japanese encephalitis virus vaccine from porcine kidney cell cultures.

18260 The use of polyvalent inactivated vaccine

therapeutically against equine influenza. 18278

Immunization of foxes with inactivated wirus ra-

18315 A method for evaluation of vaccines containing pasteurella multocida.

Infrared studies of cthylenc chlorohydrin.

18486

18380

17945

18389

17824

18488

VASCULAR SYSTEM (PLANTS)

Pathogenicity of some blue-stain fungi in the genus Ceratocystis. (Abstract).

VEGETABLES

Disease involvement of nonalliaceous hosts by Pyrenochaeta terrestris. (Abstract). 17947

Vegetable crops III. Cucumbers, watermelons, cantaloupes, squash. 18168

Comparative Cs-137 content of agricultural crops grown in a contaminated soil.

VELOCITY

Spread of the boll weevil by drainage water and air currents.

The statistical description of a spray in terms of drop velocity, size, and position.

VENEZUELAN **EQUINE ENCEPHALO-**MYELITIS

Lipids of Venezuelan equine encephalomyclitis virus and their relationship to the lipids of the host.

VENTURIA INAEQUALIS

Reducing spring discharge of Venturia inaequalis ascospores by composting overwintering leaves. 17929 Studies of the resistance of local apple varieties to scab (Venturia inaequalis (cke.) Wint.) under climatic conditions of Central Anatolia. 18073

VERTEBRATES

Pesticides and pollution. SB959.0U4.

17863

VERTICILLIUM ALBO-ATRUM

The effect of carbon source, carbon to nitrogen ratios, and organic amendments on survival of propagules of Verticillium albo-atrum in soil.

Mitotic recombination in conidiophores of verticillium alboatrum.

17922 Morphology and longevity of Verticillium albo-

atrum in cotton leaves. (Abstract). 17957 Distribution in Ontario of Verticillium strains

causing wilt of potatoes. 17963

VERTICILLIUM DAHLIAE

Thread worms in the rhizosphere of the normal cotton and of that infected with the verticillous cotton wilt. 18149

VESICULAR STOMATITIS VIRUS Electron microscopic studies on the development of vesicular stomatitis virus.

VETERINARY MEDICINE

Influence of statolon-induced interferon on rabies virus infection in mice.

The organization and activities of the Bureau of

Veterinary Medicine, Food and Drug Adminis-

VIBRIO BUBULUS

A comparative study of cell wali glycopeptide structure of some bovine vibrios.

Biochemical and serologic characterestics of Vibrio isolants from cattle. 18337

VIBRIO FETUS

A comparative study of cell wall glycopeptide structure of some bovine vibrios.

18247

Biochemical and serologic characterestics of Vibrio isolants from cattle.

18337

VIRUS DISEASES (ANIMALS)

Investigations on the Heliothis nuclear polyhedrosis virus and its development as a biological control agent.

17779

Growth of arboviruses in monolayers from subcultured mosquito embryo cells.

Studies of the epidemiology of arthropod-borne virus infections at Mitchell River Mission, Cape York Peninsula, north Queensland. II. Arbovirus infections of mosquitoes, man, and domestic fowls, 1963-1966.

Further studies on the use of ERA rabies vaccine in domestic animals.

Avian adeno-like viruses- Characterization and

18224 Effects of attenuated hog cholera virus in pregnant swine at various stages of gestation.

comparison of seven isolates.

18230

Hog cholera: Safety and protection studies with photodynamically inactivated hog cholera virus.

18232 Characterization studies on feline panleucopenia virus. (with). II. Pathogenesis in the host.

18233

Isolation and characterization of three plaquetype clones of the hickman strain of newcastle disease virus.

VIRUS DISEASES (INSECTS)

Behavior of	equine infecti	ous a	anemia viru	s in o	cell
	development				
the disease.					

18240 Characterization of bovine viral diarrhea viruses

by their interactions with susceptible host cells 18243 fhe response of various tissues in neonate calves

to bovine papilloma virus (BPV). 18251 Lipids of Venezuelan equine encephalomyelitis virus and their relationship to the lipids of the

18256 An enzootic of pseudorabies in swine in Califor-

18257 Degradation of cellular ribonucleic acid in New-

18258

Duck plague. 18263

castle disease virus infected cells.

California-encephalitis-group viruses in Florida rabbits: Report of experimental and sentinel stu-

18265

Increased incidence of avian leukosis in response to excess vitamin A.

18280

Effects of genetic cellular resistance on cell transformation and virus replication in chicken hematopoietic cell cultures infected with avian myeloblastosis virus (BAI-0A).

18295

Biochemical and biophysical properties of canine distemper virus. 18306

Enzootic rabies in rodents in Thailand 18320

Eight feline viruses: An electron microscopic stu-

18324

Electron microscopy of bovine papilloma and deer fibroma viruses.

18328

Experimental bluetongue disease in white-tailed deer. 18336

Some studies on the pathogenesis and epizootiology of epizootic hemorrhagic disease of deer.

VIRUS DISEASES (INSECTS)

The multiplication of Middelburgs and 1 plaque viruses in Aedes aegypti mosquitoes.

VIRUS DISEASES (PLANTS)

Abstracts of papers accepted for presentation at the sixtieth annual meeting of The American Phytopathological Society, Columbus, Ohio, 2-6 September 1968.

17938

18340

Spermidine, the major polyamine component of turnip yellow mosaic virus. (Abstract). 17946

Carbohydrate distribution in grafted potato plants representing two types of resistance to virus X.

Mechanism of increased root rot in virus-infected peas. 17950

Relation of boron to cherry rosette disease in Oregon, and the possible implication of a virus. 17954

Potato spindle tuber virus: in situ sensitivity of the infectious agent to ribonuclease. (Abstract) 17974

Local lesion development in Turkish tobacco leaves heated after inoculation with tobacco mosaic virus. (Abstract).

Investigations of the mechanism of the necrotic response of Nicotiana tabacum L. var. Samsun NN to infection with tobacco mosaic virus.

Ultrastructure of Zea mays leaf cells infected with Johnson grass strain of sugarcane mosaic virus. (Abstract).

Relationship of ethylene to curly top symptoms. (Abstract).

Effects of barley stripe mosaic virus infection on the respiration of barley leaves. (Abstract)

The effect of polyploidy on plant virus replication and control. 17991

High-temperature-induced insoluble coat protein in tobacco mosaic virus (TMV) -infected plants. (Abstract).

An investigation of the tobacco mosaic virus multiplication process and its effect on the metabolism of the host.

Exocortis in Ortanique orange.

18001

18032

Studies on the effects of Hg(II) and sucrose on the mechanical transmission of tobacco mosaic virus ribonucleic acid to pinto bean (Phaseolus

Resistance breakdown in maize to maize dwarf mosaic virus after treatment with atrazine. (Ab-

A study on auxin and chlorogenic acid in leaf-roll resistant and susceptible potato varieties.

Identification of strains of watermelon mosaic virus by serology and other characteristics. (Abstract).

Transmission of a leafhopper-borne virus from naturally infected Poa annua in Czechoslovakia 18039

The presence of tristeza virus in certain species of citrus in Cyprus.

Annals of the Phytopathological Society of Japan.

18044 Cytochrome oxidase and mitochondrial protein

in extracts of leaves of Nicotiana glutinosa L. Infected with tobacco mosaic virus. Tomato bushy stunt virus on tomato crops in Ar-

Cytokinin effect of benzyladenine: Increase of nucleic acid and protein synthesis in bean leaves

18048 Tolerance to barley yellow dwarf in winter oats. 18050

Occurrence of Agrophron mosaic virus in Mon-18058

Cytomorphological features of TMV-INFECTED

tobacco callus cells in tissue culture. 18063 Alterations in the auxin levels of resistant and

susceptible hosts induced by the curly top virus 18066 Cross protection between a plant virus and

potato psyllid yellows.

Effects of nematode extraction method, soil mixture, and nematode numbers on the transmission of tobacco ringspot virus by Xiphinema americanum.

18070 Effect of MCPA on lettuce pre-inoculated with lettuce mosaic virus.

Aluminum foil and white polyethylene mulches

to repel aphids and control watermelon mosaic. 18083 Natural acquisition compared with mechanical inoculation of six-spotted leafhoppers for transmission of the oat blue dwarf virus. (Abstract)

18085

Aphid vectors of barley yellow dwarf virus in blacklight traps in eastern United States.

18089

The use of menazon seed dressing to decrease spread of virus yellows in sugar-beet root crops 18098

Isofation and electron microscopy of potato leafroll virus from plants.

A new mosaic disease of brinjal (Solanum melongena L.).

18116 Location of unique sequences in tobacco mosaic virus ribonucleic acid.

18457

18102

VIRUS X (POTATOES)

Carbohydrate distribution in grafted potato plants representing two types of resistance to virus X.

VIRUSES

A study of the nuclear polyhedrosis virus on the beet armyworm, Spodoptera exigua (Hubner), with emphasis on stability, pathogenicity and histopathology.

17837

Results concerning humoral immunity of Pyrrhocoris apterus I. and Galleria mellonella F 178.17

Influence of a virus disease on the hemocytic an-

ticryptogramic reactions in insects.

17893

Tobacco necrosis virus and its satellite virus.

18007 Introducing and establishing the noninclusion virus of the citrus red mite in citrus groves.

18117

A collective outbreak of transmissible gastroenteritis in swine. III. Isolation of a virus with cytopathogenic effect and its properties.

Stained monolayer test: a color test in disposable plastic trays for titrating transmissible gastroenteritis virus and neutralizing antibodies

18343

Microbiology. Gastrointestinal outbreaks.

18392

Mcrcury content in feathers of Swedish birds from the past 100 years.

18198

VITAMIN A

to excess vitamin A.

Influence of nitrite and hydroxylamine on performance and vitamin A and carotene metabolism of ruminants.

Influence of dietary vitamin A on cholesterol

metabolism of chickens. 18185 Increased incidence of avian leukosis in response

18280 The utilization of vitamin A and carotene by ruminants. 1. Vitamin A potency of carotenes in corn silage fed to lambs. 2. The effect of time and route of administration of vitamin A on liver vitamin A storage by steers. 3. The effect of route of administration of vitamin A on blood serum and liver vitamin A concentrations in steers at subsequent time intervals.

Actions of vitamin D3 and sex hormones on calcium metabolism of bone in birds, particularly in hens.

VITAMIN E.

Effects of selenium and vitamin E on nutritional muscular dystrophy in lambs.

18385

18282

Prevalence of Trichinella spiralis in wild animals on two Illinois swine farms.

18158

18159

VITAMINS Effect of ration modifications on aflatoxicosis in the rat.	virus by scrology and other characteristics. (Ab-	On the dispersal of the bulbs of Oxalis cernu Thunb. by mole-rats (Spalax ehrenberg Nehring).
1838 VOLUMETRIC ANALYSIS	2 struct). 18037	Ornamentals.
Stained monolayer test: a color test in disposable	e Vegetable crops III. Cucumbers, watermelons,	1816
plastic trays for titrating transmissible gastroer		Vegetable crops III. Cucumbers, watermelons
teritis virus and neutralizing antibodies. 1834		cantaloupes, squash. 1816
WASTE DISPOSAL	Response of early-weaned pigs to amino acid	Tobacco.
Alberta, 255,000 square miles, free of rats.	supplementation of corn diets. 18391	1817
WATER	WEATHER	Herbaceous annual and perennial weeds.
Bionomics of the mosquito Anopheles fran		1817
ciscanus Mccracken in California.	ginia.	WHEAT Effect of seed extract of Trifolium subterraneur
1778		on germination and seedling growth rate.
Spread of the boll weevil by drainage water an air currents.	d Studies of the epidemiology of arthropod-borne virus infections at Mitchell River mission, Cape	1792
1782		Relation of uredial and urediospore counts t
Systemic-chemical paints for the control of	f collections, 1963-1966.	epiphytotic development of wheat rusts and the value of the counts in predicting disease. (Ab
Cytospora canker discase in prune trees.	17914	stract).
1799	unut harnale and the accoming a lamina of lare	1796
A bioassay technique for screening feedin stimulants for larvae of tobacco budworm.	18043	Premature death of adult rusted wheat plants i
1809	Effects of early-, mid-, and late-season infesta-	relation to carbon dioxide evolution by roc
Ecology of Clostridium botulinum type E.	tions of two-spotted spider mites on the yield of	systems.
1821	6 cotton. 18094	Seedling resistance to powdery mildew of Purdu
Water, electrolyte, and acid-base alterations i	Survival of Rhopalosiphum padi in stored grain	5752Cl-7-5-1 wheat derived from Triticur
experimental canine leptospirosis. 1824	during cold weather	timopheevi. (Abstract).
Effects on microfauna - freshwater.	18097	
1839	Loss of phorate from a granular formulation ap-	Protein and enzyme changes in wheat leaves fol lowing infection with Puccinia recondita.
Macroinvertebrates, Fresh water.	plied in the soil.	1800
1840		Stem rust infection and development in artifi-
Anaerobic processes. Microbiology an		cially inoculated fields of wheat at Hays, Kans
mechanism.	tebrates due to parasitic activity.	and its effect on yield, 1960 to 1965. (Abstract). 1802
1840	10027	Environmental effects and transfer events durin
Nutritional requirements of a tomato tissue culture: Growth promoting factors from peas.		primary infection of wheat by Erysiphe graminis
1847	Engineering and biological aspects of designing and using a selective flame weeder.	1803
WATER ANALYSIS	18493	Stand loss of small grains in Florida.
Effects on groudwater. Municipal sources.	WEED CONTROL	1805
1839		Occurrence of Agrophron mosaic virus in Mon tana.
Water pollution. Effects of pollution on fish life General aspects of water pollution biology.	necticut shadegrown tobacco. 18157	1805
1839		The frequency of penetration of epidermal strip
Toxic effects of odorous trace organics.	grown tobacco.	and intact wheat leaves by Puccinia graminis
1841		sp. tritici.
WATER POLLUTION	The growth, development and control of com-	On light-sensitivity in germinating uredospore
Pesticides and pollution. SB959.0U4.	mon ragweed.	of wheat brown rust.
Detergents.	Growth, development and control of wild radish.	1808
1838	101/2	Further evaluation of acaricides for brown whea
Effects on groudwater. Municipal sources.	Fencerow weed control made easy.	mite control on winter wheat in Kansas, 1963-65 1809
1839		Peculiarities of development and harmful activi
Microbiology. Gastrointestinal outbreaks.	Extermination of Eichhornia azurea Kunth, Aguape de cordao, on the Ribeira river by	ty of the Hessian fly (Mayetiola destructor Say.
1839.	means of herbicide applications.	under conditions of irrigation.
Effects on microfauna - frcshwater.	18166	1811
Water pollution. Effects of pollution on fish life	Forage crops, small grains.	Effect of variety and fumigation on nematod populations in oats, wheat, and rye.
General aspects of water pollution biology.	10107	1814
1839.	Vegetable crops III. Cucumbers, watermelons, cantaloupes, squash.	Teliospore germination of Puccinia recondita
Macroinvertebrates. Fresh water.	18168	sp. tritici (Abstract).
1840.	Aquatic weeds.	1845
Agricultural (livestock) wastes. 1840	18170	Gel permeation cleanup for malathion in wheat using a non-ionic, cross-linked polystren
Anaerobic processes. Microbiology and	Tobacco.	polymer.
mechanism.		1848
1840:	Forestry. 18172	WILDLIFE
Oxygen sag and stream self-purification.	Vegetable crops IV Boans sweet corn to-	Lesions caused by the hepatic trematode, Me torchis conjunctus, Cobbold, 1860; A compara
1840	matoes, rhubarb.	tive study in Carnivora.
Toxic effects of odorous trace organics. 1841	18173	1836
VATER SUPPLY	Engineering and biological aspects of designing	Toxic blue-green algae in Saskatchewan.
Effects on groudwater. Municipal sources.	and using a selective flame weeder. 18493	WILDLIFE CONSERVATION
18390		WILDLIFE CONSERVATION Preventing fish and wildlife losses.
WATER TREATMENT	Evaluation of weed control treatments in field-	1838
Detergents.	grown tobacco.	WILDLIFE DISEASES

Weeds in agronomic crops. Field corn, soybeans.

107

Oxygen sag and stream self-purification.

18387

18407

WILT (COTTON)

Swedish studies of game that had been found dead as well as specimens that had been shot 18411

WILT (COTTON).

Thread worms in the rhizosphere of the normal cotton and of that infected with the verticillous

18149

WILT (POTATOES)

Distribution in Ontario of Verticillium strains causing wilt of potatoes.

17963

WILT (TOBACCO)

Induced resistance to bacterial wilt in susceptible tobacco cuttings pretreated with avirulent mutants of Pseudomonas. (Abstract).

WIND

Costelytra zealandica (White) sex attraction

17845

18029

WINGS (INSECTS)

Mechanical and electrical activity in the indirect flight muscles of the honey bee.

Role of host plant in production of winged forms by a green strain of pea aphid Acyrthosiphon pisum.

18120

WITCHES' BROOM (CONIFERAE)

Eastern dwarf mistletoe on jack pine in Manitoba.

17926

WOOD DECAY

Patch canker of Hevea brasiliensis caused by Phytophthora palmivora.

Role of nitrogen in wood deterioration. VI. Mycelial fractions and model nitrogen com-pounds as substrates for growth of Polyporus versicolor and other wood-destroying and wood-inhabiting fungi.

WOOD DESTROYING FUNGI

Role of nitrogen in wood deterioration. VI. Mycelial fractions and model nitrogen compounds as substrates for growth of Polyporus versicolor and other wood-destroying and wood-inhabiting fungi.

18018

An arylsulfatase in the wood rotting basidiomycete, Fomes geotropus.

18035

Food intake and growth of burro foals after 250 roentgens of cobalt-60 whole-body gamma irradiation.

18271

XANTHINE DEHYDROGENASE

Polygenic control of aldehyde oxidase and xanthine dehydrogenase in Drosophila.

17807

XANTHOMONAS

Identification of Xanthomonas species by acrylamide-gel disc electrophoresis of soluble bacterial proteins. (Abstract).

18439

Disc electrophoresis of sonic extracts of five phytopathogenic bacteria. (Abstract).

XANTHOMONAS MALVACEARUM

Race buildup of Xanthomonas malvacearum on cotton in southeast Missouri.

Effectiveness of specific genes and gene combinations in conferring resistance to races of Xanthomonas malvacearum in Upland cotton. (Abstract). 17978

XANTHOMONAS VESICATORIA

Effect of Xanthomonas vesicatoria on loss of electrolytes from leaves of Capsicum annuum.

XIPHENEMA AMERICANUM

Electron microscope studies of some cephalic structures of Xiphinema americanum.

XIPHINEMA AMERICANUM

Effects of nematode extraction method, soil mixture, and nematode numbers on the transmission of tobacco ringspot virus by Xiphinema amer-

18070

17970

18142

Plant-parasitic nematodes in grape and raspberry soils of Ontario and a comparison of extraction techniques.

XYLEBORUS FERRUGINEUS

Circadian emergence rhythm of a tropical scolytid, Xyleborus ferrugineus. 17767

Inorganic composition and microscopy of citrus roots grown under several copper and soil amendment conditions.

18428

YELLOW DWARF (BARLEY)

Tolerance to barley yellow dwarf in winter oats.

Aphid vectors of barley yellow dwarf virus in blacklight traps in eastern United States.

18089

YELLOW DWARF (OATS)

Tolerance to barley yellow dwarf in winter oats. 18050

YELLOW MOSAIC (TURNIPS)

Spermidine, the major polyamine component of turnip yellow mosaic virus. (Abstract). 17946

YELLOWS (SUGAR BEETS)

The use of menazon seed dressing to decrease spread of virus yellows in sugar-beet root crops

ZINC

The effect of decomposing organic matter on zinc level in soil and plants.

18061

Relationships between zinc nutrition and alkaline phosphatase activity in the chick.

18220

A physiologic-genetic study of the differential response of navy beans (Phaseolus vulgaris L.) to zinc.

ZOOGEOGRAPHY
Notes on the chorology and ecology of Arancidae from the Alban Hills (Araneae).

A revision of the oriental species of Palexorista Townsend (Diptera: Tachinidae, Sturmiini)

17744 17756

New species of Culex (Melanoconion).

Fleas (Siphonaptera) new to Norway.

17760

Habitat selection by Lipara lucens Mg. (Diptera, Chloropidae) and its survival value.

17761

On the distribution of Ixodes angustus Neum.(Ixodidae).

A preliminary report of the mosquitoes in the Gilgit Agency area. 17772

Contribution to the study of the genera Stizocera

Serv., 1834. Brazilian species (Coleoptera, Cerambycidae). 17774

A prodrome of the genus Orthopodomyia (Diptera, Culicidae).

17775

Siphona kangwagyei n. sp., a blood sucking fly from Uganda (Diptera: Muscidae).

17776

The leaf cutting ant, Atta capiguara, curse of the pastures. 17780

Studies on the morphology and biology of Lecanium fletcheri Ckll. (Homoptera, Coccoidca) and related species. 17813

Larch sawfly survival in relation to water levels

and microtopography in tamarak bogs. 17839 On the Sphodromantis of the species viridis from

northwest Africa. Influence of population level and trap spacing on capture of tobacco hor-worm moths in blacklight

traps with virgin females.

Western corn rootworm egg distribution and adult emergence under two corn tillage systems. 18111

Introducing and establishing the noninclusion virus of the citrus red mite in citrus groves.

18117

Egg distribution as a factor in suppressing the green peach aphid by pruning. 18122

The barley root-knot nematode in Illinois.

		D.W. J. D.
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torie and Research; Laboratories for Veterinary	17941	18210
Sciences	Ashrafuzzaman, M H	Benjaminson, M A
18201	Texas A and M University	New York University, N. Y.
Abraham, P D Plant Protection Limited, Berks, England; Jealott's	Atkins, M D	17787
Hill Research Station	Dept. of Forestry and Rural Development, Vic-	Benson, A P Michigan State University, East Lansing; Dept. of
18421	toria, British; Columbia; Forest Research Labora-	Botany and Plant Pathology
Adlerz, W C	tory	17948
Florida University; Institute of Food and Agricul-	Awad, T M	Benson, D M
tural Sciences 18083	Mississippi State University	Colorado State University, Fort Collins
Ahmed, H	18386	17949 Beute, M K
London University, England; Queen Elizabeth Col-	Babcock, M B	Michigan State University
lege; Dept. of Biology	Virginia University, Charolettesville	17950
Ahrens, J F	Bacic, B	Bhallia, H S
Connecticut Agricultural Experiment Station,	Poljoprivredni Fakultet, Novi Sad, Yugoslavia	Wisconsin University, Madison
Windsor; Valley Laboratory	18409	Biesbrock, J A
18157	Baerg, D C	Georgia University, Athens
Aker, N L Kellogg Company, Battle Creek, Michigan; Qulaity	California University, Davis	17952
Assurance Division	Bagga, H S	Bigland, C H
18482	Delta Branch Experiment Station, Stoneville, Miss.	Saskatchewan University, Saskatoon, Canada;
Albrecht, J E	17943	Western College of Veterinary Medicine 18211
North Carolina State University, Raleigh 18179	Bailey, C L Oklahoma State University, Stillwater	Bilkovich, F R
Alexander, D C	17784	Wisconsin University, Madison
Canada Dept. of Agriculture, Hull, Quebec;	Bajaj, Y P S	18212
Animal Diseases Research Institute; Animal	Michigan State University, East Lansing	Binninger, C E
Pathology Division; Health of Animals Branch	18422	Washington State University, Pullman; College of
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17778	Balachowsky, A S	Dept. of Agriculture and Dept. of Plant Pathology;
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Catania University, Italy; Istituto di Zoologia 17737	France; Laboratoire d'Entomologie generale 0et appliquee	Division 17918
Allen, G E	17740	Bitakaramire, P K
Mississippi State University	Ball, L	Nairobi University College, Nairobi, Kenya; Facul-
17779	Colorado State University, Fort Collins; College of	ty of Veterinary Science
Allred, J N	Veterinary Medicine; Dept. of Pathology 18208	18354
U. S. Dept. of Agriculture, Hyattsville, Maryland; Agricultural Research Service; Animal Health	Banerjee, A K	Black, H S Sam Houston State College, Huntsville, Tex.
Division and Biometrical Services Division	Laboratory of the Plant Pathologist to Govern-	18427
18204	ment, India	Black, L L
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18205	17944	Blenden, D C
Ananthakrishnan, T N	Banttari, E E	Missouri University, Columbia; School of Veterina-
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Andorron E I	18085 Barba, R C	18214
Andersen, F L Brigham Young University, Provo, Utah; Dept. of	Hawaii University	Blumenfield, M
Zoology and Entomology	18423	Case Western Reserve University 17788
18353	Barber, D A	Bodon, L
Anderson, J D	ARC Radiobiological Laboratory, Letcombe	Hungarian Academy of Sciences, Budapest; Veteri-
Oregon State University, Corvallis 17916	Regis, Wantage	nary Medical Research Institute
Anderson, W W	Barnes, D M	18215
Rockefeller University, N. Y.	Minnesota University, St. Paul; College of Veteri-	Bolwyn, B Oregon State University, Corvallis
17781	nary Medicine; Dept. of Veterinary Pathology and	17954
Ancilis, A	Parasitology 18209	Borecki, Z
U. S. Army Natick Laboratories, Natick, Mass.; Quality Assurance Office; Food Laboratory;	Barry, C K	Missouri University, Columbia
Microbiology Division	Scripps Institution of Oceanography, La Jolla,	17955
18383	Calif.	Borg, K National Vetinary Institute, Stockholm
Aragaki, M Hawaii University, Honolulu	Basham, H G	18411
17939	North Carolina State University, Raleigh	Bott, T L
Ardrey, W B	17945	Wisconsin University
Idaho University, Moscow; Dept. of Veterinary and	Bates, J J	18216
Poultry Sciences	Missouri University, Columbia	Bottrell, D G South Plains Research and Extension Center, Lub-
Arguelles-Rasa, E	Bedding, R A	bock, Texas; Texas Agricultural Experiment Sta-
Philippine Union College, Manila; Dept. of Biology	Sirex Biological Control Unit, Silwood Park, Ascot,	tion
17940	Berks,; England	17789
Armstrong, C H	17731	Bowman, M C
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Microbiology, Pathology and Public Health	17946	18483
18207	Beevers, L	Bowne, J G
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Plant Pathology 17956	District, VV II	Chitra, C
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Food and Drug Administration, Washington, D. C. Division of Microbiology	18431 Byrde, R. I. W	Instytut Ochrony Roslin, Posen, Poland 17743
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Bris, E J 1795	Campbell, W C Merck Institute for Therapeutic Research, Rah-	Clarke, M C Institute for Research on Animal Diseases
Washington State University 18219	way N I	Berkshire, Engl; Agricultural Research Council 18228
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Dept. of Biological Research and Development 1822	tomology 17796	Animal Science 18182
Brown, D H U. S. Dept. of Agriculture, Missoula, Mont.; Fores	Castro Umana, J J Florida University, Gainesville 17797	Cohen, S E New York University 1780-
Service 17958	Castro, J California University, Riverside	Cole, H Pennsylvania State University, University Park
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Brown, R H J	Washington State University 18226	Agriculture Research and Extension Center 18088
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Brune, D 18429	Chappell, W E	Cook, R J U. S. Dept. of Agriculture; Agricultural Research
A B atomenergi, Studsvik 1848-		Service; Crops Research Division 1797
Bryant, W E Missouri University, Columbia	Chee, K H	Cooke, R C Rutgers - The State University, New Brunswick
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18132	CI EM	1813-
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Croghan, D L Cornell University, Ithaca, N. Y. 18233	Dowding, V M Cambridge University; Molteno Institute	1774 Eto, M
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Marseil; Comportement animal 17808 Denis, J	Ebrahim, S A Central Plant Protection Station, Ernakulam	Fischman, A Auckland Hospital, Auckland, New Zealand; Dept
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Frank, F W Idaho University, Caldwell,; Agricultural	18348 Experi-	Gravitz, N Brandeis University, Waltham, Mass.; Biochemistry		Hatch, R C Guelph University, Ontario; Ontario Veterinar College
ment Station,; Veternary Science Laborate		Green, C D	17828	Hauschild, A H W
Franklin, R T Georgia University, Athens; Dept. of Entor	nology 17748	Rothamsted Experimental Station, Harpen gland	18136	Dept. of National Health and Welfare, Ottawa Food and Drug Directorate; Microbiology Division 1825
Free, J B Rothamsted Experimental Station, Hertfor		Green, R J Purdue University, Lafayette, Indiana;		Hawkins, J D Zejtun, Malta
Friend, R J Wisconsin University	17732	Botany and Plant Pathology	17921	Hayman, D S
Fung, P H	17984	Griffin, G D S. Dept. of Agriculture, Logan, Utah; Gr Research Service; Rops Research Division	ricultural	California University, Berkeley 1799 Heagle, A S
Cornell University, Ithaca, N. Y. Furt, R E	18247	Griffin, G J	18137	Minnesota University, St. Paul
U. S. Dept. of Agriculture, Stoneville Agricultural Research Service; Ent Research Division		Virginia Polytechnic Institute, Blacksburg Groeneweg, J F	18445	Heald, C M U. S. Dept. of Agriculture, Tifton, Georgia Agricultural Research Service; Crops Research
Fye, R E	18094	Wisconsin University, Madison	18488	Division.
U. S. Dept. of Agriculture, Tucson, Agricultural Research Service; Ent Research Division	omology	Guerra, A A U. S. Dept. of Agriculture, Brownsvill Agricultural Research Service; Ent		Heathcote, G D Broom's Barn Experimental Station, Higham, Bur St. Edmunds,; Suffolk, England
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Gallagher, P A Agricultural Institute, Kinscaly, Malahide	18163	U. S. Dept. of Agriculture, Brownvill Agricultural Research Service; Ent Research Division		Helton, A W
Horticulture and Forestry Division	18413	Gunner, H B	18096	Idaho University, Moscow; Dept. of Plant Sciences 1799
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Gaona-Rodriguez, H	18391	Hagstrum, D W	18384	Hendrick, R D California University, Riverside
Texas A and M University Gardner, W S	17985	California University, Riverside; Dept. tomology	17830	Henson, L Kentucky University, Lexington
California University, Davis	17986	Hallab, A B Louisianna State University; Agricultu		Heydrick, F P Pennsylvania State University, College Park
Gaskin, D E Massey University, Manawatu; Dept. of Zo	ology 17749	Mechanical College Hammer, U T	18393	Himoe, E
Geissinger, H D Guelph University, Ontario; Ontario V College		Saskatchewan University, Saskatoon; I Biology		Wisconsin University, Madison 1790 Hirai, A
Gentry, C E	18248	Hanks, R W Florida Citrus Experiment Station, Lake A		Califronia University, Los Angeles 1799
Kentucky University, Lexington Getty, S M	18443	Hara, F Shimane Prefectural Institute of Animal	18138	Hirumi, H Boyce Thompson Institute for Plant Research Yonkers, N. Y.
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Medicine Ghemawat, M S	18249	Harder, D E Washington State University	17001	East African Tropical Pesticides Research Ir stitute, Arusha,; Tanzania
Purdue University, Lafayette, Ind.	17987	Harding, H Wisconsin University	17991	Hoff, R J Washington State University
Gill, H S Illinois University, Urbana	.0.4.4	Harding, J A	17992	Hosein, I
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Golden, A M	18250	Arizonia University, Tucson	17993	Howard, E F
U. S. Dept. of Agriculture, Beltsville, M Agricultural Research Service; Crops F Division		Harling, J Durham University; Dept. of Zoology	17832	Wisconsin University, Madison 1783 Howarth, J A
Division Goodman, R N	18135	Harper, A M Canada Dept. of Agriculture, Lethbridge; F		Walter Reed Army Medical Center, Washington D. C.; Armed Forces Institute of Pathology
Missouri University, Columbia	17000	Station	18097	Hughes 1 W
Gordon, D E	17989	Harris, F A Mississippi State University	1009/	Hughes, 1 W Florida University, Gainesville 1783
Wisconsin University, Madison	18251		17833	Hulley, P E
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Imberski, R B	Karbe, E Connecticut University, Storrs	Oregon State University
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James, L F	vironmental Control; Technical Development Laboratories	Krugman, S L
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ment Station	Kerkut, G A	17755
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lands 18263	Kerr, E D Public Health Service, Cincinnati, Ohio; National	Kuo, M S Michigan State University, East Lansing
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18275 Lent, H	Haven 18026	Matthysse, J G
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Medical Institute of Ivanovo, Russia; Dept. of	U. S. Dept. of Agriculture, Beltsville, Md.; Agricultural Research Service; Crops Research Division	National Agricultural Advisory Service, Starcross, England
Biology and General Genetics	18108	18033
Lodhi, A F California University, Davis	Martin, F H Michigan State University, East Lansing	Mengeling, W L U. S. Dept. of Agriculture, Ames, Iowa; Agricul-
17927	18281	tural Research Service; Animal Disease and

Parasite Research Division; National Anim	nal Dis-	Newton, W L		Pettit, R E
ease Laboratory	18291	National Institute of Health, Bethesda, Maryla National Institute of General Medical Science	and;	Texas A and M University, College Station; Texas Agricultural Experiment Station; Dept. of plant
Merrill, W	and c	18	3297	Sciences 18043
Pennsylvania State University, University Pa	18034	Nicholls, C F Canada Dept. of Agriculture, Belleville; Resea	arch	Phillips, L A
Mertz, D		Institute		Kansas University, Lawrence
Missouri University, Columbia; Laborat Growth and Development	ory of	Nichols, J B	7734	Pickrell, J A
Growth and Development	18462	Florida State Board of Health, Jacksonville; D	Divi-	Illinois University, Urbana; College of Veterinary
Meyer, D L Illinois University, Urbana		sion of Veterinary Public Health	200	Medicine; Dept. of Veterinary Physiology and Pharmacology
illinois Oniversity, Orbana	18292	Nicoletti, P	8298	18307
Miller, C R		U. S. Dept. of Agriculture, Albany, New York		Pierpoint, W S Rothamsted Experimental Station, Herts, England;
Florida State University, Gainesville	18036	Nightingale, H 1	8299	Biochemistry Dept.
Miller, J W		Utah State University, Logan		Pinkas, J
Missouri University, Portageville	17928		3464	Rehovot (Israel) National and University Institute
Miller, L D	17720	Novilla, M N Colorado State University, Fort Collins		of Agr; Volcani Institute of Agriculture; Division of
Catholic University of America, Washington		18.	8300	Plant Pathology 18046
Miller, P M	17864	Nunberg, M Landwirtschaftliche Universitat, Warszawa, Pol	lon	Pitcher, R S
Connecticut Agricultural Experiment Statio	on, New		7762	East Malling Research Station, Maidstone, England 18145
Haven	17929	Nyberg, P A		Pol, E W
Miller, P M	17929	Oregon State University, Corvallis	301	Keuringsdienst van Waren voor het Gebied; Am- sterdam, Keizersgracht
Connecticut Agricultural Experiment Statio	n, New	O'Bannon, J H	3301	18406
Haven	18143	U. S. Dept. of Agriculture, Orlando, Flor		Polatnick, J
Mills, J H L	10145	Agricultural Research Service; Crops Resea Division	arch	U. S. Dept. of Agriculture, Greenport, New York; Agricultural Research Service; Animal Disease and
Saskatchewan University, Saskatoon, Canad		18	3144	Parasite Research Division; Plum Island Animal
lege of Veterinary Medicine; Dept. of Vet Pathology	terinary	O'Reilly, K J	E-	Disease Laboratory 18308
	18369	Wellcome Research Laboratories, Beckenham, gland	, En-	Polatnick, J
Milne, K S California University, Davis		18.	3302	U. S. Dept. of Agriculture, Greenport, New York;
Camorina Chiversity, Davis	18037	Oberg, K-e Uppsala University, Sweden; Institute	of	Agricultural Research Service; Animal Disease and Parasite Research Division; Plum Island Animal
Mircetich, S M		Zoophysiology	OI.	Disease Laboratory
U. S. Dept. of Agriculture, Beltsville, Ma Agricultural Research Service; Crops R		18	3415	Polson, D E
Division		Ose, E E Eli Lilly and Company, Greenfield; Veterir	nary	Michigan State University
Mook, J H	18463	Research Dcpt.		Pontis, R E
Institute for Ecological Research, Arnhei	m, The	Osipov, G V	8380	Universidad Nacional de Cuyo; Dept. of Plant
Netherlands	17761	Pedagogical Institute of Orel, Russia		Pathology 18047
Moon, H W	17761	17	7869	Post, J E
Brookhaven National Laboratory, Uptor	ı, New	Ozawa, Y Near East Animal Health Institute, Teheran, I:	Iran:	Cornell University, Ithaca, N. Y.
York; Medical Research Center	18293	Razi Serum and Vaccine Institute		18310 Pozsar, B 1
Moore, W E C		Pal, S G	8304	Research Institute for Plant Protection, Budapest,
Virginia Polytechnic Institute, Blacksburg; I Veterinary Science	Dept. of	The Queen's University of Belfast, North Irela	and;	Hungary 18048
veterinary science	18294	Dept. of Zoology		Prasad, S K
Moscovici, C		Pantulu, J V	3305	Indian Agricultural Research Institute, New Delhi, India
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	18295		8465	Price, W C
Moulthrop, J 1 Minnesota University, St. Paul		Papasolomontos, A Cyprus Ministry of Agriculture and Nati	tural	Guinobatan Experiment Station, Guinobatan, Philippines
Milliesota Oliversity, St. 1 au	18296	Resources; Agricultural Research Institute		18049
Mount, M S		Parent, B	3042	Procter, B G Canada Dept. of Agriculture; Division of Patholo-
Michigan State University	18038	Ministere de l' Agriculture du Canada, Saint Je	lean;	gy, Health of Animals Branch; Montreal Area
Munk, R		Station de Recherches	3109	Branch Laboratory, Macdonald College, Quebee 18372
Zoologisches Institut der Universität Heic Germany	lelberg,	Patterson, R S	3107	Pruess, K P
	17865	U. S. Dept. of Agriculture, Gaincsville, I		Nebraska University, Lincoln; Dept. of Entomolo-
Musick, G J Missouri University, Columbia; Dept. of Ent	omala	Agricultural Research Division; Entomol Research Division	ology	gy 18111
gy	.omoio-	18	3110	Punter, D Canada Dept. of Forestry and Rural Development,
	17866	Pattxn, S R Prince Leopold Institute for Tropical Medic	cine	Ontario
Nash, T A M Bristol University, England; School of Vet	erinary	Belgium	cine,	Purnell, R E
Science; Tsetse Research Laboratory			7735	East African Veterinary Research Organization,
Nayar, J K	17867	Payne, J A U. S. Dept. of Agriculture, Tifton, Geor	rgia;	Muguga, Kenya
Florida State Board of Health, Vero	Beach,	Agricultural Research Service		Qualset, C O
Florida; Entomological Research Center	17868	Peleg, J	7764	Tennessee University, Knoxville,; Dept. of Agrono-
Nemeth, I	17000	Israel Institute for Biological Research, Ness-zio		my 18050
Hungarian Academy of Sciences, Budapest;	Veteri-	Peterson, L G	7870	Quattrochi, L P
nary Medical Research Institute	18191	Illinois University		Chemagro Corporation, Kansas City, Missouri 17874
Newhall, A G		173	7871	Raatikainen, M
Instituto Interamericano de Ciencias Ag Costa Rica	ricolas,	Pettit, B J Marquette University, Milwaukee, Wis.		Agricultural Research Centre, Tikkurila, Finland; Dept. of Pest Investigation
			7073	1

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Wisconsin University, Madison 18051	de Farmacologia 18374	Dept. of Botany 18059
Rappaport, L California University, Davis; Dept. of Vegetable Crops	Sarkissiav, 1 V	Shevchenko, A K Kharkov University, USSR
Ray, B R Florida University, Gainesville	Saunders, J L Washington State University, Puyallup; Western	Shimanuki, H U. S. Dept. of Agriculture, Beltsville, Md.; Agricul- tural Research Service; Entomology Research Divi-
Reid, D M	Washington Research and Extension Center	sion . 17881
Queen's University, Belfast; Dept. of Botany 18468	Savitzky, B P Research Institute of Epidemiology and	Shipton, W A Canada Dept. of Agriculture, Winnipeg, Manitoba;
Retnakaran, A Wisconsin University, Madison; Dept. of En-		Research Station 18060
tomology 17876	Scaramuzzi, G Universita di Catania; Instituto di Patologia	Shoukry, K S M Utah State University, Logan
Rich, S Connecticut Agricultural Experiment Station, New	Vegetale	Showers, W B
Haven 17931	Schieber, E Instituto Agrario Nacional, Guatemala	U. S. Dept. of Agriculture, Ankeny, Iowa; Agricultural Research Service; Entomology Research Divi-
Richmond, D V Bristol University, England; Long Ashton Research	Schieber, E	sion 17882
Station 18469	Instituto Agrario Nacional, Guatemala 18054	Simpson, W R Idaho University, Moscow; Plant Science Dept
Roach, S H Texas A and M University 17877	Schmidt, R C U. S. Dept. of Health, Education and Welfare;	Singh, B B
Roberts, J A	Public Health Service, Lawrenceville, Georgia 18315	Udaipur University, Bikaner, India; College of Veterinary and Animal Science 18381
Commonwealth Scientific and Industrial Research Organiza; Tion, Yeerongpilly, Queensland, Australia; Veterinary Parasitology Laboratory; Division of Animal Health	Illinois Natural History Survey, Urbana, Illinois; Section of Applied Botany and Plant Pathology	Singh, H Directorate of Plant Protection, Quarantine and; Storage, New Delhi
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Rodricks, J V Maryland University, College Park	U. S. Public Health Service Hospital, New Orleans, Louisiana	Siradhana, B S Udaipur University, Rajasthan, India
18416	Sechler, D	18064 Smerlis, E
Rogers, C E U. S. Dept. of Commerce, Lexington, Ky; Dept. of Entomology	Agricultural Research Service; Quincy and Crops	Dept. of Forestry and Rural Development; Forest Research Laboratory, Quebec, Canada
Roncadori, R W	Research Division 18057	Smith, A 18065
Georgia University, Athens; Dept. of Plant Pathology and Plant Genetics	U. S. Dept. of Agriculture, Gainesville, Florida.;	Animal Husbandry and Dairy Research Institute, South Africa
Ross, D B Farm Livestock Research Center, Essex; Animal	Research Division 18147	Smith, C T
Health Trust	Seidman, G U. S. Dept. of Agriculture; Crops Research Divi-	Massachusetts University, Amherst; College of Agriculture; Dept. of Feed and Fertilizer 18491
Roth, H U. S. Dept. of Agriculture, Hoboken, N. J.;	sion 18473	Smith, J W Missouri-Rolla University, Rolla; Environmental
Agricultural Research Service; Entomology Research Division	Seinhorst, J W Institute of Phytopathological Research, Wagenin-	Health Research Center 18417
18112 Roth, L M	gen, The Ne	Smith, L W California University, Davis
U. S. Army Natick Laboratories, Natick, Mass.; Pioneering Research Laboratory	Seligman, 1 M Illinois University	Smith, P C
17765	Scilers, R F	South East Asian Treaty Organization Medical Pro-
Rout, G College of Agriculture, Bhubaneswar, Orissa, India 18113	The Animal Virus Research Institute, Surrey, England	ject, Bankok; Thailand; Medical Research Labora- tory 18320
Ruphrah, N S Veterinary College, Hissar-Haryana, India;	Sellers, R F	Smith, R H U. S. Dept. of Agriculture, Asheville, N. C.; Forest
Parasitology Dept. 17766	The Animal Virus Research Institute, Surrey, England	Service; Southeastern Forest Experiment Station 18118
Russell, W G Tennessee University, Jackson; West Tennessee	Senotrusova, V N	Smith, S H California University, Berkeley; Dept. of Plant
Experiment Station; Dept. of Agricultural Biology 18114	Academy of Sciences of The Kazakh, Alma-ata, USSR; Institute of Zoology	Pathology 18066
Saaltink, G J Commissie voor de Terminologie van de Neder-	Seth, M L 17769	Snoeyenbos, G H Massachusetts University, Amherst; Dept. of
landse; Planteziektenkundige Vereniging 17932	Indian Agricultural Research Institute, New Delhi; Division of Mycology and Plant Patmology	Veterinary and Animal Sciences 18321
Saiduddin, S Wisconsin University, Madison	Shaw, J G	Soave, O A Stanford Medical School, Palo Alto, California;
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Punjab Agricultural University, Ludhiana 18115	Sheikh, S A	Soave, O A
Salmon, A J Washington State University	West Pakistan Veterinary Research Institute, Lahore	Stanford Medical School, Palo Alto, California; Dept. of Medical Microbiology

18318

18323

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17883 Sollod, A E	Tamaki, G	Ushijima, J College of Dairy Farming, Ebetsu, Japan; Veterinary School
Saskatchewan University, Saskatoon, Canada; College of Veterinary Medicine 18375	U. S. Dept. of Agriculture, Yakima, Washington; Agricultural Research Service; Entomology Research Division	Van Dyke, C G
Stahler, N Naval Medical Research Institute, Bethosda, Md.	Tamaki, G	Illinois University 18074
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Brisbane 17914	Tanner, C E	Van Walleghem, P A
Staples, R Nebraska University, Lincoln; Dept. of Entomolo- gy	McGill University, Macdonald College, Quebec, Canada; Institute of Parasitology 18329	Florida University 18334 Verner, M A J
18067 Stegmaier, C E Florida Dept. of Agriculture; Division of Plant In-	Teetes, G L Texas A and M University, College Station; Dept. of Entomology	State University of Utrecht, Netherlands; Small Animal Clinic 18335
dustry; Florida State Collection of Arthropods	18123 Teliz, D.	Vosdingh, R A Virus and Rickettsia Division, Fort Detrick,
Stein, V W Justus Liebig-universitat, Giessen; Institut fur	Instituto Nacional de Investigaciones Agricolas, Mexico; Departamento de Fitopatologia	Frederick, Md. 18336 Wagenbach, G E
Phytopathology 18068	Temple, C	Wisconsin University, Madison.
Stern, V M California University, Riverside; Dept. of En-	Southern Research Institute, Birmingham, Ala. 18124	Walker, D W Puerto Rico Nuclear Center, Mayaguez
tomology 17886	Teploukhova, T N USSR Academy of Sciences, Leningrad; Zoological	Wandera, J G
Stewart, P A U. S. Dept. O'Agriculture, Oxford, N. Y.; Agricul-	Institute 18151	Nairobi University College, Kenya; Faculty of Veterinary Science
tural Research Service 17736 Stoner, M F	Thomas, H A U. S. Forest Service, Research Triangle Park, North Carolina; Southeastern Forest Experiment	Ward, G M
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Susidko, P I All-Union Research Institute of Maize,	Tilavov, T USSR Academy of Sciences, Moscow; Institute of	gland 18075
Dnepropetrovsk, U. 18119	Evolutionary Morphology and Ecology of Anima 17892	Webster, J M Canada Dept. of Agriculture, Ontario; Research Branch; Research Institute
Sussman, D E lowa State University, Ames	Todd, G C Dept. of Health, Education, and Welfare; Food and	18155 Wene, G P
Sutherland, O R W Dept. of Zoology, Downing Street, Cambridge	Drug Administration, Beltsville, Maryland; Bureau of Veterinary Medicine 18382	Arizona University, Tucson; Dept. of Entomology 17898
Sutmoller, P	Todd, J W Auburn University, Ala.; Agricultural Experiment	Wene, G P Arizona Agricultural Experiment Station, Tucson 18128
U. S. Dept. of Agriculture, Greenport, New York; Agricultural Rescarch Scrvice; Animal Disease and	Station; Dept. of Zoology-Entomology Tokumaru, T	Westermark, T Royal Institute of Technology, Stockholm; Division
Parasite Research Division; Plum Island Animal Disease Laboratory 18325	Pennsylvania University, Philadelphia; School of Medicine; Dept. of Pediatrics	of Nuclear Chemistry 18198 Westoo, G
Sutmoller, P U. S. Dept. of Agriculture, Greenport, New York;	18331 Torok, D	National Institute of Public Health, Stockholm; Dept. of Food Hygiene
Agricultural Research Service; Animal Disease and Parasite Research Division; Plum Island Animal	Pennsylvania State University, McKeesport; Dept. of Biology	White, W B
Disease Luboratory 18326	Townshend, J L	Purdue University, Lafayette, Ind.; Dept. of Entomology
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18418 Taber, R A	Trudgill, D L Rothamsted Experimental Station, Harpenden, En-	Stockholm University, Stockholm; Institute of Analytical Chemistry
Texas A and M University, College Station; Dept. of Plant Sciences	gland 18154	Wilhelm, A R Wisconsin University, Madison
Taber, W A 18069	Trum, B F Harvard Medical School, Boston, Massachusetts;	Wilkinson, D R
Fallows M. University 17934	Animal Research Center 18332	Illinois University, Urbana 17937
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nett, Canada	Hygiene and Tropical Medicine	Pathology
18420	18376	1807
Willetts, II J	Woods, G T	Ylimaki, A
New South Wales University, Australia, School of	College of Veterinary Medicine and Agricultural	Agricultural Research Centre, Tikkurila, Finland Dept. of Plant Pathology
Biological Sciences 18477	Experiment; Station, Urbana, Illinois; Dept. of	1807
Williams, J E	Pathology and Hygiene 18344	Zadoks, J C
U. S. Dept. of Agriculture, Athens, Georgia;	Woodside, A M	Wageningen Landbouwhogeschool, Netherland
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Parasite Research Division; Southeast Poultry Research Laboratory	Research Division; Dept. of Entomology	Zavortink, T J
Research Laboratory 18341	17900	California University, Los Angeles
Williams, L. P.	Worley, R E Georgia University, Tifton; Coastal Plain Experi-	1777
World Health Organization, Geneva, Switzerland;	ment Station	Zemanek, J
Research in Epidemiology and Communications	18077	Central Research Institute of Plant Production
Science Unit 18342	Woude, G F V	Praha, Czec 1847
Williamson, R L	U. S. Dept. of Agriculture, Greenport, New York;	Zemškava, A A
California University, Riverside	Agricultural Research Service; Plum Island Animal Disease Laboratory	USSR Academy of Medical Sciences, Moscow; Ir
17899	Disease Laboratory 18345	stitute of Epidemiology and Microbiology; Divisio
Witherell, S.S. Wisconsin University, Madison	Wright, C C	of Infections with Natural Foci
18478	North Carolina Agricultural Experiment Station,	Zimmerer, R P
Witte, K H	Raleigh	Pennsylvania State University, College Park
Wisconsin University; Dept. of Veterinary Science	17901	1848
Wolfe, M S	Wright, C P Utah University, Salt Lake City	Zumpt, F
Plant Breeding Institute, Cambridge, England	17908	South African Institute for Medical Research Johannesburg
18130	Yanders, A F	1777
Wong, K	Commonwealth Scientific and Industry Research	Zwet, T Van Der
Wisconsin State University, Superior; Dept. of	Organization,; Canberra, Australia; Division of	U. S. dpet. of Agriculture, Beltsville, Md.; Agricu
Biology 18156	Plant Industry 17909	tural Research Service; Crops Research Division 1808
18150	17909	1000

AUTHOR INDEX

	10301			B 1.	10421	10222	
Abelseth, M K	18201	Bennett, J H	18316	Bussel, J	18431	18232	10151
Abraham, P D	18421	Benson, A P	17948	Butcher, J E	18262	Critchfield, N B	18451
Adams, F S	18161	Benson, D M	17949	Byrde, R J W	17965	Croghan, D L	18233
Adlerz, W C	18083	Benson, M L	18211	Caffey, J D	17930	Cronkite, E P	18293
Ahmed, H	17777	Bergeland, M E	18209	Calkins, C O	18100	Crosskey, R W	17744
Ahrens, J F	18157	Berlin, H	18410	Callow, L L	17795	Crowe, M V	18373
Aker, N L	18482	Beroza, M	18483	Campbell, A D	18416	Csupka, S	18487
Akita, M	18202	Bethel, R S	17822	Campbell, W C	18357	Cunningham, G N	18183
Albin, R C	18234	Beute, M K	17950	Cancrday, T D	18125	Curl, S E	18234
Albrecht, J E	18179	Bhallia, H S	17951	Carach, J	18487	Cutler, H G	18437
Alexander, D C	18203	Biely, J	18280	Carley, H E	17966	Cysewski, S J	18184
Alexeiev, A N	17778	Biesbrock, J A	17952	Carr, D J	18468	Dakwa, J T	17968
Alicata, P	17737	Bigland, C H	18211	Carrel, J E	17816	Daniel, M D	18235
Allen, G E	17779	Bigler, W J	18298	Carriere, J A J	18203	Daum, R J	17856
Allen, J L	18360	Biland, H R	18490	Carroll, E J	18208	David-West, T S	18236
	18204	Bilkovich, F R	18212	Carvalho, J C M	17742	Dayhuff, T R	18231
Allred, J N					17796	18232	10231
Alper, T	18205	Binninger, C E	18213	Casida, J E			17043
Alsop, D W	17816	Birchfield, W	17918	Castro Umana, J J	17797	Dean, M R	17862
Altschul, A M	18449	Bird, L S	17978	Castro, J	18432	Deep, I W	17973
Amante, E	17780	Bishop, J L	17900	Cavell, B D	18485	DeGroot, R C	18438
Ambrozova, J	18479	Bitakaramire, P K	18354	Chabrier, P	17800	Dekker, A J	18389
Ananthakrishnan, T N	17738	Black, H S	18427	Chada, H L	17784	Deleurance, S	17808
Andersen, F L	18282	18449		Chalk, T E	18033	DeLoach, R E	18407
18353		Black, L L	17953	Chambers, D L	18117	DeMilo, A B	17798
Anderson, J D	17916	Blackman, G E	18421	Chanana, A D	18293	Demozay, D	17800
Anderson, P M	17969	Blakeley, P E	18097	Chang, S C	17798	Denis, J	17745
Anderson, W W	17781	Blenden, D C	18214	Chang, S I	18226	DePcw, L J	18091
Andress, C E	18248	Blumenfield, M	17788	Channon, A G	18433	Derbyshire, J B	18228
Anellis, A	18383	Boatman, S G	18421	Chapman, R A	18443	Deubler, M J	18221
Anonymous,	18175	Bodon, L	18215	Chappell, W E	18158	Devoe, B L	18237
Aragaki, M	17939	Bolwyn, B	17954	Chee, K H	17967	Dickerson, C T	18160
Ardrey, W B	18206	Bond, J O	18265	Chen, J T	18486	Dickinson, D J	18434
Arguelles-Rasa, E	17940	Borecki, Z	17955	Chen, P S	17799	Diener, T O	17974
	18308	Borg, K	18411	Chen, T	18133	Dikshith, T S S	17903
Arlinghaus, R B Armstrong, C H	18207		17798		10133	Dillard, L H	
		Borkovec, A B		18447	10007		18341
Arnoldi, K V	17739	Bott, T L	18216	Cheng, H H	18086	Djafarov, Sh m	17880
Arny, D C	17990	Bottrell, D G	17789	Cheymol, J	17800	Dochinger, L S	17975
Aronson, S J	17941	Bourdette, J R	18182	Chhabra, K S	18115	Dodd, F H	18194
Asello, L	18221	Bowen, E T W	18302	Chiang, H C	17801	Dodd, K	18238
Ashrafuzzaman, M H	17942	Bowler, K	17896	17802, 18087		Doherty, R L	17910
Ashton, G C	18348	Bowman, M C	18104	Chicco, C F	18227	Doi, R	18359
Atkins, M D	18084	18400, 18483		Chitra, C	17803	Dolin, V G	17746
Awad, T M	18386	Bowne, J G	18217	Chmielewski, W	17743	Dooley, K L	18382
Babcock, M B	17782	Boyle, J A	17867	Chomicz, L	18358	Dooling, O J	17958
Bachmann, P A	18285	Bradley, J R	17790	Chorin, M	18046	Dorward, W J	18255
		Brams, E A	18428	Christensen, C M	18031	Douglas, D R	17976
Bachrach, H L	18309			Christensen, C M Claborn, H V	18031 17823	Douglas, D R Dowding, V M	17976 17809
Bachrach, H L 18345	18309	Brannaman, B L	18005	Claborn, H V	17823	Dowding, V M	17809
Bachrach, H L 18345 Bacic, B	18309 18409	Brannaman, B L Braten, T		Claborn, H V Clanton, J R	17823 18330	Dowding, V M Drummond, R O	17809 18347
Bachrach, H L 18345 Bacic, B Backstrom, J	18309 18409 18180	Brannaman, B L Braten, T 18356	18005 18355	Claborn, H V Clanton, J R Clarke, J H	17823 18330 18377	Dowding, V M Drummond, R O Druzhelyubova, T S	17809 18347 17810
Bachrach, H L 18345 Bacic, B Backstrom, J Baerg, D C	18309 18409 18180 17783	Brannaman, B L Braten, T 18356 Braund, D G	18005 18355 18218	Claborn, H V Clanton, J R Clarke, J H Clarke, M C	17823 18330	Dowding, V M Drummond, R O Druzhelyubova, T S Dua, P M	17809 18347 17810 18185
Bachrach, H L 18345 Bacic, B Backstrom, J Baerg, D C Bagga, H S	18309 18409 18180 17783 17943	Brannaman, B L Braten, T 18356 Braund, D G Brener, W D	18005 18355 18218 17956	Claborn, H V Clanton, J R Clarke, J H Clarke, M C 18228	17823 18330 18377 18205	Dowding, V M Drummond, R O Druzhelyubova, T S Dua, P M Ducnnenberger, M	17809 18347 17810 18185 18490
Bachrach, H L 18345 Bacic, B Backstrom, J Bærg, D C Bagga, H S Bailey, C L	18309 18409 18180 17783 17943 17784	Brannaman, B L Braten, T 18356 Braund, D G Brener, W D Brewan, J G	18005 18355 18218 17956 17909	Claborn, H V Clanton, J R Clarke, J H Clarke, M C 18228 Claveran Alonso, R	17823 18330 18377 18205	Dowding, V M Drummond, R O Druzhelyubova, T S Dua, P M Ducnnenberger, M Duggan, R E	17809 18347 17810 18185 18490 18388
Bachrach, H L 18345 Bacic, B Backstrom, J Baerg, D C Bagga, H S Bailey, C L Bajaj, Y P S	18309 18409 18180 17783 17943 17784 18422	Brannaman, B L Braten, T 18356 Braund, D G Brener, W D Brewan, J G Brian, M V	18005 18355 18218 17956 17909 17791	Claborn, H V Clanton, J R Clarke, J H Clarke, M C 18228 Claveran Alonso, R Clawson, A J	17823 18330 18377 18205 17919 18179	Dowding, V M Drummond, R O Druzhelyubova, T S Dua, P M Ducnnenberger, M Duggan, R E Duggleby, W F	17809 18347 17810 18185 18490 18388 17811
Bachrach, H L 18345 Bacic, B Backstrom, J Baerg, D C Bagga, H S Bailey, C L Bajaj, Y P S Bajpaj, G K	18309 18409 18180 17783 17943 17784 18422 17917	Brannaman, B L Braten, T 18356 Braund, D G Brener, W D Brewan, J G Brian, M V Brickey, P M	18005 18355 18218 17956 17909 17791 17792	Claborn, H V Clanton, J R Clarke, J H Clarke, M C 18228 Claveran Alonso, R Clawson, A J Clegg, L F L	17823 18330 18377 18205 17919 18179 18409	Dowding, V M Drummond, R O Druzhelyubova, T S Dua, P M Ducnnenberger, M Duggan, R E Duggleby, W F Dunagan, T T	17809 18347 17810 18185 18490 18388 17811
Bachrach, H L 18345 Bacic, B Backstrom, J Bærg, D C Bagga, H S Bailey, C L Bajaj, Y P S Bajpai, G K Bakry, N	18409 18180 17783 17943 17784 18422 17917 17785	Brannaman, B L Braten, T 18356 Braund, D G Brener, W D Brewan, J G Brian, M V Brickey, P M Brignoli, P M	18005 18355 18218 17956 17909 17791 17792 17741	Claborn, H V Clanton, J R Clarke, J H Clarke, M C 18228 Claveran Alonso, R Clawson, A J Clegg, L F L Clements, J B	17823 18330 18377 18205 17919 18179 18409 18468	Dowding, V M Drummond, R O Druzhelyubova, T S Dua, P M Ducnnenberger, M Duggan, R E Duggleby, W F Dunagan, T T Duncan, C J	17809 18347 17810 18185 18490 18388 17811 18186 17896
Bachrach, H L 18345 Bacic, B Backstrom, J Buerg, D C Bagga, H S Bailey, C L Bajaj, Y P S Bajpai, G K Bakry, N Balachowsky, A S	18309 18409 18180 17783 17784 18422 17917 17785 17740	Brannaman, B L Braten, T 18356 Braund, D G Brener, W D Brewan, J G Brian, M V Brickey, P M Brignoli, P M Brinkerhoff, L A	18005 18355 18218 17956 17909 17791 17792 17741 17957	Claborn, H V Clanton, J R Clarke, J H Clarke, M C 18228 Claveran Alonso, R Clawson, A J Clegg, L F L Clements, J B Clench, H K	17823 18330 18377 18205 17919 18179 18409 18468 17864	Dowding, V M Drummond, R O Druzhelyubova, T S Dua, P M Ducnnenberger, M Duggan, R E Duggleby, W F Dunagan, T T Duncan, C J Duniway, J M	17809 18347 17810 18185 18490 18388 17811 18186 17896
Bachrach, H L 18345 Bacic, B Backstrom, J Baerg, D C Bagga, H S Bailey, C L Bajaj, Y P S Bajpai, G K Bakry, N Balachowsky, A S Baldissera, S	18309 18409 18180 17783 17943 17784 18422 17917 17785 17740 17851	Brannaman, B L Braten, T 18356 Braund, D G Brener, W D Brewan, J G Brian, M V Brickey, P M Brignoli, P M Brinkerhoff, L A Brinkhous, K M	18005 18355 18218 17956 17909 17791 17792 17741 17957 18181	Claborn, H V Clanton, J R Clarke, J H Clarke, M C 18228 Claveran Alonso, R Clawson, A J Clegg, L F L Clements, J B Clench, H K Clerk, G C	17823 18330 18377 18205 17919 18179 18409 18468 17864 17968	Dowding, V M Drummond, R O Druzhelyubova, T S Dua, P M Ducnnenberger, M Duggan, R E Duggleby, W F Dunagan, T T Duncan, C J Duniway, J M Dunleavy, J M	17809 18347 17810 18185 18490 18388 17811 18186 17896 17977 18455
Bachrach, H L 18345 Bacic, B Backstrom, J Bæerg, D C Bagga, H S Bailey, C L Bajaj, Y P S Bajpai, G K Bakry, N Balachowsky, A S Baldissera, S Ball, L	18309 18409 18180 17783 17943 17784 18422 17917 17785 17740 17851 18208	Brannaman, B L Braten, T 18356 Braund, D G Brener, W D Brewan, J G Brian, M V Brickey, P M Brignoli, P M Brinkerhoff, L A Brinkhous, K M Brinkhouse, K M	18005 18355 18218 17956 17909 17791 17792 17741 17957 18181 18223	Claborn, H V Clanton, J R Clarke, J H Clarke, M C 18228 Claveran Alonso, R Clawson, A J Clegg, L F L Clements, J B Clench, H K Clerk, G C Cleveland, T C	17823 18330 18377 18205 17919 18179 18409 18468 17864 17968 17856	Dowding, V M Drummond, R O Druzhelyubova, T S Dua, P M Ducnnenberger, M Duggan, R E Duggleby, W F Dunagan, T T Duncan, C J Duniway, J M Dunleavy, J M Dunn, S	17809 18347 17810 18185 18490 18388 17811 18186 17896 17977 18455
Bachrach, H L 18345 Bacic, B Backstrom, J Baerg, D C Bagga, H S Bailey, C L Bajaj, Y P S Bajpai, G K Bakry, N Balachowsky, A S Baldissera, S Ball, L Banerjee, A K	18309 18409 18180 17783 17943 17784 18422 17917 17785 17740 17851 18208 17917	Brannaman, B L Braten, T 18356 Braund, D G Brener, W D Brewan, J G Brian, M V Brickey, P M Brignoli, P M Brinkerhoff, L A Brinkhous, K M Brinkhouse, K M Bris, E J	18005 18355 18218 17956 17909 17791 17741 17957 18181 18223 18219	Claborn, H V Clanton, J R Clarke, J H Clarke, M C 18228 Claveran Alonso, R Clawson, A J Clegg, L F L Clements, J B Clench, H K Clerk, G C Cleveland, T C Clifford, A J	17823 18330 18377 18205 17919 18179 18409 18468 17864 17968 17856 18182	Dowding, V M Drummond, R O Druzhelyubova, T S Dua, P M Ducnnenberger, M Duggan, R E Duggleby, W F Dunagan, T T Duncan, C J Duniway, J M Dunleavy, J M Dunleavy, J M Dunn, S Durbin, R D	17809 18347 17810 18185 18490 18388 17811 18186 17896 17977 18455 18161
Bachrach, H L 18345 Bacic, B Backstrom, J Baerg, D C Bagga, H S Bailey, C L Bajaj, Y P S Bajpai, G K Bakry, N Balachowsky, A S Baldissera, S Ball, L Banerjie, A K Banerji, S K	18309 18409 18180 17783 17943 17784 18422 17917 17785 17740 17851 18208 17917 18387	Brannaman, B L Braten, T 18356 Braund, D G Brener, W D Brewan, J G Brian, M V Brickey, P M Brignoli, P M Brinkerhoff, L A Brinkhous, K M Brinkhous, K M Brinkhous, K M Brinkhous, K M	18005 18355 18218 17956 17909 17791 17792 17741 17957 18181 18223 18219 18220	Claborn, H V Clanton, J R Clarke, J H Clarke, M C 18228 Claveran Alonso, R Clawson, A J Clegg, L F L Clements, J B Clench, H K Clerk, G C Cleveland, T C Clifford, A J Clower, D F	17823 18330 18377 18205 17919 18179 18409 18468 17864 17968 17856 18182	Dowding, V M Drummond, R O Druzhelyubova, T S Dua, P M Ducnnenberger, M Duggan, R E Duggleby, W F Dunagan, T T Duncan, C J Duniway, J M Dunn, S Durbin, R D Durkin, J	17809 18347 17810 18185 18490 18388 17811 18186 17896 17977 18455 18161 17977 17819
Bachrach, H L 18345 Bacic, B Backstrom, J Bæerg, D C Bagga, H S Bailey, C L Bajaj, Y P S Bajpai, G K Bakry, N Balachowsky, A S Bald, L Banerjee, A K Banerjie, S K Banipashemi, Z	18309 18409 18180 17783 17784 18422 17917 17785 17740 17851 18208 17917 18387 17944	Brannaman, B L Braten, T 18356 Braund, D G Brener, W D Brewan, J G Brian, M V Brickey, P M Brignoli, P M Brinkerhoff, L A Brinkhouse, K M Bris, E J Britton, W M Brodey, R S	18005 18355 18218 17956 17909 17791 17792 17741 17957 18181 18223 18219 18220 18221	Claborn, H V Clanton, J R Clarke, J H Clarke, M C 18228 Claveran Alonso, R Clawson, A J Clegg, L F L Clements, J B Clench, H K Clerk, G C Cleveland, T C Clifford, A J Clower, D F Cohen, S E	17823 18330 18377 18205 17919 18179 18409 18468 17864 17968 17856 18182 17790 17804	Dowding, V M Drummond, R O Druzhelyubova, T S Dua, P M Ducnnenberger, M Duggan, R E Duggleby, W F Dunagan, T T Duncan, C J Duniway, J M Dunleavy, J M Dunn, S Durbin, R D Durkin, J Duthoit, C M G	17809 18347 17810 18185 18490 18388 17811 18186 17896 17977 18455 18161 17977 17819
Bachrach, H L 18345 Bacic, B Backstrom, J Bæerg, D C Bagga, H S Bailey, C L Bajaj, Y P S Bajpai, G K Bakry, N Balachowsky, A S Baldissera, S Ball, L Banerjee, A K Banerji, S K Banihashemi, Z Banttari, E E	18309 18409 18180 17783 17943 17784 18422 17917 17785 17740 17851 18208 17917 18387 17944 18085	Brannaman, B L Braten, T 18356 Braund, D G Brener, W D Brewan, J G Brian, M V Brickey, P M Brignoli, P M Brinkerhoff, L A Brinkhous, K M Brisk, E J Britton, W M Brodey, R S Brown, A L	18005 18355 18218 17956 17909 17791 17792 17741 17957 18181 18223 18219 18220 18221 18222	Claborn, H V Clanton, J R Clarke, J H Clarke, M C 18228 Claveran Alonso, R Clawson, A J Clegg, L F L Clements, J B Clench, H K Clerk, G C Cleveland, T C Clifford, A J Clower, D F Cohen, S E Cole, H	17823 18330 18377 18205 17919 18179 18409 18468 17864 17968 17856 18182	Dowding, V M Drummond, R O Druzhelyubova, T S Dua, P M Ducnnenberger, M Duggan, R E Duggleby, W F Dunagan, T T Duncan, C J Duniway, J M Dunleavy, J M Dunleavy, J M Dunn, S Durbin, R D Durkin, J Duthoit, C M G Dutkiewicz, J	17809 18347 17810 18185 18490 18388 17811 18186 17977 18455 18161 17977 17819 18092 17812
Bachrach, H L 18345 Bacic, B Backstrom, J Buerg, D C Bagga, H S Bailey, C L Bajaj, Y P S Bajpai, G K Bakry, N Balachowsky, A S Baldissera, S Ball, L Banerjie, A K Banerji, S K Banihashemi, Z Banttari, E E Barba, R C	18309 18409 18180 17783 17943 17784 18422 17917 17785 17740 17851 18208 17917 18387 17944 18085 18423	Brannaman, B L Braten, T 18356 Braund, D G Brener, W D Brewan, J G Brian, M V Brickey, P M Brignoli, P M Brinkerhoff, L A Brinkhous, K M Brinkhous, K M Brinkhous, K M Brinkhous, K M Brodey, R S Brown, A L Brown, D G	18005 18355 18218 17956 17909 17791 17792 17741 17957 18181 18223 18219 18220 18221 18222 18227	Claborn, H V Clanton, J R Clarke, J H Clarke, M C 18228 Claveran Alonso, R Clawson, A J Clegg, L F L Clements, J B Clench, H K Clerk, G C Cleveland, T C Clifford, A J Clower, D F Cohen, S E Cole, H 18027	17823 18330 18377 18205 17919 18179 18409 18468 17864 17968 17856 18182 17790 17804 17969	Dowding, V M Drummond, R O Druzhelyubova, T S Dua, P M Ducnnenberger, M Duggan, R E Duggleby, W F Dunagan, T T Duncan, C J Duniway, J M Dunn, S Durbin, R D Durkin, J Duthoit, C M G Dutkiewicz, J Dyar, R C	17809 18347 17810 18185 18490 18388 17811 18186 17896 17977 18455 18161 17977 17819 18092 17812 17812
Bachrach, H L 18345 Bacic, B Backstrom, J Bærg, D C Bagga, H S Bailey, C L Bajaj, Y P S Bajpai, G K Bakry, N Balachowsky, A S Baldisera, S Ball, L Banerjee, A K Banerji, S K Banihashemi, Z Barba, R C Barber, D A	18309 18409 18180 17783 17784 17784 18422 17917 17785 17740 17851 18208 17917 18387 17944 18085 18424	Brannaman, B L Braten, T 18356 Braund, D G Brener, W D Brewan, J G Brian, M V Brickey, P M Brignoli, P M Brinkerhoff, L A Brinkhouse, K M Bris, E J Britton, W M Brodey, R S Brown, A L Brown, D G Brown, D H	18005 18355 18218 17956 17909 17791 17792 17741 17957 18181 18223 18219 18220 18221 18222	Claborn, H V Clanton, J R Clarke, J H Clarke, M C 18228 Claveran Alonso, R Clawson, A J Clegg, L F L Clements, J B Clench, H K Clerk, G C Cleveland, T C Clifford, A J Clower, D F Cohen, S E Cole, H 18027 Cole, K W	17823 18330 18377 18205 17919 18179 18409 18468 17864 17968 17856 18182 17790 17804	Dowding, V M Drummond, R O Druzhelyubova, T S Dua, P M Ducnnenberger, M Duggan, R E Duggleby, W F Dunagan, T T Duncan, C J Duniway, J M Dunleavy, J M Dunn, S Durbin, R D Durkin, J Duthoit, C M G Dutkiewicz, J Dyar, R C Dzicdzicka, A	17809 18347 17810 18185 18490 18388 17811 18186 17896 17977 18455 18161 17977 17819 18092 17812 17813
Bachrach, H L 18345 Bacic, B Backstrom, J Bæerg, D C Bagga, H S Bailey, C L Bajaj, Y P S Bajpai, G K Bakry, N Balachowsky, A S Baldissera, S Ball, L Banerjie, A K Banerji, S K Banihashemi, Z Banttari, E E Barba, R C Barber, D A Baretas, P K	18309 18409 18180 17783 17943 17784 18422 17917 17785 17740 17851 18208 17917 18387 17944 18085 18423 18424	Brannaman, B L Braten, T 18356 Braund, D G Brener, W D Brewan, J G Brian, M V Brickey, P M Brignoli, P M Brinkerhoff, L A Brinkhous, K M Bris, E J Britton, W M Brodey, R S Brown, D G Brown, D G Brown, D H 17959	18005 18355 18218 17956 17909 17791 17792 17741 17957 18181 18223 18219 18220 18221 18222 18271	Claborn, H V Clanton, J R Clarke, J H Clarke, M C 18228 Claveran Alonso, R Clawson, A J Clegg, L F L Clements, J B Clench, H K Clerk, G C Cleveland, T C Clifford, A J Clower, D F Cohen, S E Cole, H 18027 Cole, K W 18223	17823 18330 18377 18205 17919 18179 18409 18468 17864 17968 17856 18182 17790 17804 17969	Dowding, V M Drummond, R O Druzhelyubova, T S Dua, P M Ducnnenberger, M Duggan, R E Duggleby, W F Dunagan, T T Duncan, C J Duniway, J M Dunleavy, J M Dunleavy, J M Dunn, S Durbin, R D Durkin, J Duthoit, C M G Dutkiewicz, J Dyar, R C Dzicdzicka, A Easterday, B C	17809 18347 17810 18185 18490 18388 17811 18186 17896 17977 18455 18161 17977 17819 18092 17812 17812
Bachrach, H L 18345 Bacic, B Backstrom, J Baerg, D C Bagga, H S Bailey, C L Bajaj, Y P S Bajpai, G K Bakry, N Balachowsky, A S Baldissera, S Ball, L Banerjee, A K Banerji, S K Banihashemi, Z Banttari, E E Barba, R C Barber, D A Baretas, P K Baners, D M	18309 18409 18180 17783 17943 17784 18422 17917 17785 17740 17851 18208 17917 18387 17944 18085 18423 18424 18448 18209	Brannaman, B L Braten, T 18356 Braund, D G Brener, W D Brewan, J G Brian, M V Brickey, P M Brignoli, P M Brinkhous, K M Brown, D G Brown, D G Brown, D H 17959 Brown, G E	18005 18355 18218 17956 17909 17791 17792 17741 17957 18181 18223 18219 18220 18221 18222 18271 17958	Claborn, H V Clanton, J R Clarke, J H Clarke, M C 18228 Claveran Alonso, R Clawson, A J Clegg, L F L Clements, J B Clench, H K Clerk, G C Cleveland, T C Clifford, A J Clower, D F Cohen, S E Cole, H 18027 Cole, K W 18223 Cole, R H	17823 18330 18377 18205 17919 18179 18409 18468 17864 17968 17856 18182 17790 17804 17969	Dowding, V M Drummond, R O Druzhelyubova, T S Dua, P M Ducnnenberger, M Duggan, R E Duggleby, W F Dunagan, T T Duncan, C J Duniway, J M Dunleavy, J M Dunn, S Durbin, R D Durkin, J Duthoit, C M G Dutkiewicz, J Dyar, R C Dzicdzicka, A Easterday, B C 18343	17809 18347 17810 18185 18490 18388 17811 18186 17896 17977 18455 18161 17977 17819 18092 17812 17831 17813
Bachrach, H L 18345 Bacic, B Backstrom, J Bærg, D C Bagga, H S Bailey, C L Bajaj, Y P S Bajpaj, G K Bakry, N Balachowsky, A S Ball, L Banerjee, A K Banerji, S K Banihashemi, Z Banttari, E E Barba, R C Barber, D A Baretas, P K Barnes, D M Barrick, E R	18309 18409 18180 17783 17784 18784 18785 17740 17851 18208 17917 18387 17944 18085 18424 18448 18209 18183	Brannaman, B L Braten, T 18356 Braund, D G Brener, W D Brewan, J G Brian, M V Brickey, P M Brignoli, P M Brinkhous, K M Brinkhouse, K M Brinkhouse, K M Brinkhouse, K M Brinkhouse, B J Britton, W M Brodey, R S Brown, A L Brown, D G Brown, D H 17959 Brown, G E Brown, J F	18005 18355 18218 17956 17909 177791 17792 17741 17957 18181 18223 18219 18220 18221 18222 18271 17958	Claborn, H V Clanton, J R Clarke, J H Clarke, M C 18228 Claveran Alonso, R Clawson, A J Clegg, L F L Clements, J B Clench, H K Clerk, G C Cleveland, T C Clifford, A J Clower, D F Cohen, S E Cole, H 18027 Cole, K W 18223 Cole, R H Coley-Smith, J R	17823 18330 18377 18205 17919 18179 18409 18468 17864 17968 17856 18182 17790 17804 17969 18181	Dowding, V M Drummond, R O Druzhelyubova, T S Dua, P M Ducnnenberger, M Duggan, R E Duggleby, W F Dunagan, T T Duncan, C J Duniway, J M Dunn, S Durbin, R D Durkin, J Duthoit, C M G Dutkiewicz, J Dyar, R C Dzicdzicka, A Easterday, B C 18343 Ebeling, W	17809 18347 17810 18185 18490 18388 17811 18186 17896 17977 18455 18161 17977 17819 18092 17812 17831 17813 17813
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Bachrach, H L 18345 Bacic, B Backstrom, J Baerg, D C Bagga, H S Bailey, C L Bajaj, Y P S Bajpai, G K Bakry, N Balachowsky, A S Baldissera, S Ball, L Banerjee, A K Banerji, S K Banihashemi, Z Banttari, E E Barba, R C Barber, D A Baretas, P K Barnes, D M Barrick, E R Barrow, G J Barry, C K Barth, A Barth, K M Basham, H G Bastian, J Bateman, D F Bates, J J Baumann, C A Beal, V C Beardsley, D W Beck, E W Beck, E W Beck, S D Beckenhauer, W H Becker, H N Beckman, C H Bedding, R A Beer, S V Beevers, L Beig, D Beliram, R Belli, M R Belli, M R	18309 18409 18180 17783 17784 18422 17917 17785 17740 17851 18208 17917 18387 17944 18085 18423 18424 18448 18209 18183 17914 17786 18472 18271 17945 17820 18460 18425 18242 18242 18241 18349 18400 17876 18222 18279 17946 18425 17947 17876 18426 17947 17856 17947 17856 187947 17856 187947	Brannaman, B L Braten, T 18356 Braund, D G Brener, W D Brewan, J G Brian, M V Brickey, P M Brignoli, P M Brinkerhoff, L A Brinkhouse, K M Brink, E J Britton, W M Brodey, R S Brown, D G Brown, D G Brown, D G Brown, G E Brown, G E Brown, T S Jr. Brown, R C 18223 Brown, R C 18223 Brown, R C 18223 Brown, R C 18223 Brown, T S Jr. Bruehl, G W Brune, D Bryant, W E Brzeski, M W Buckley, P M 18458 Bull, T A Burke, C N Burkowicz, A 17989 Burleigh, J R Burnet, B Burns, W C Burrows, G E Burton, G W Burton, R L Burton, R L Burton, R L Burton, R P Busch, L V	18005 18355 18218 17956 17909 17791 17792 17741 17957 18181 18220 18221 18222 18271 17958 17960 18060 18181 17793 18429 17971 18484 17961 18430 18224 17961 17962 17962 17962 17962 17962 17963 18104 18104 187963	Claborn, H V Clanton, J R Clarke, J H Clarke, J H Clarke, M C 18228 Claveran Alonso, R Clawson, A J Clegg, L F L Clements, J B Clench, H K Clerk, G C Cleveland, T C Clifford, A J Clower, D F Cohen, S E Cole, H 18027 Cole, K W 18223 Cole, R H Coley-Smith, J R Collins, W J Cone, W W Cook, A A Cook, D Cook, R C Coon, B F 18089 Corbin, J B Cornell, C N 18223 Costonis, A C Cottereau, P H Cottral, G E 18326 Coulson, R N Courtright, J B Courtright, J B Cousins, C M Cowart, W O Cowling, E B Coyier, D L Craig, J Cramp, W A	17823 18330 18377 18205 17919 18179 18409 18468 17864 17968 17856 18182 17790 17804 17969 18181 18159 18434 17805 18088 17970 18373 17971 18134 17806 18435 18181 17972 18229 18325 17748 17807 18409 18230 18018 18436 18018 18436 18018 18436 18018 18436 18018 18436 18018 18436 18018 18436 18018 18018 18018 18018 18015 18025	Dowding, V M Drummond, R O Druzhelyubova, T S Dua, P M Ducnnenberger, M Ducnnenberger, M Duggan, R E Duggleby, W F Dunagan, T T Duncan, C J Duniway, J M Dunleavy, J M Dunleavy, J M Dunleavy, J M Duntoit, C M G Dutkiewicz, J Dyar, R C Dzicdzicka, A Easterday, B C 18343 Ebeling, W Ebrahim, S A Economides, C V Eguchi, M Eide, C J 18013 Eisenberg, W V Eisner, T El Hammady, M El M'Saddia, K El-Saycd, E S I El-Sharkawy, T A El-Tobshy, Z M El-Zein, A El-Zik, K M Elinov, N P Ellett, C W Ellington, J J Erlis, D J Erb, R E 18190 Ercegovich, C D Eren, J Erkal, U	17809 18347 17810 18185 18490 18388 17811 18186 17896 17977 18455 18161 17977 17819 18092 17812 17831 17813 18336 17814 18176 18042 17815 17976 17976 17976 17816 18048 17817 17818 18439 18239 18239 18239 18240 17978 18475 18064 17819 18249 18189
Bachrach, H L 18345 Bacic, B Backstrom, J Bærg, D C Bægga, H S Bailey, C L Bajaj, Y P S Bajpai, G K Bakry, N Balachowsky, A S Baldissera, S Ball, L Banerjee, A K Banerjie, S K Banihashemi, Z Banttari, E E Barba, R C Barber, D A Baretas, P K Barnes, D M Barrick, E R Barrow, G J Barry, C K Barth, A Barth, K M Basham, H G Bastian, J Bateman, D F Bates, J J Baumann, C A Beal, V C Beardsley, D W Beck, E W Beck, S D Beckenhauer, W H Becker, H N Beckman, C H Bedding, R A Beer, S V Beevers, L Beig, D Beliram, R Bell, M R	18309 18409 18180 17783 17784 18422 17917 17785 17740 17851 18208 17917 18387 17944 18085 18423 18424 18448 18209 18183 17914 17786 18472 18271 17945 18460 18425 18242 18242 18242 18242 18242 18279 17956 17731 17946 18426 17851	Brannaman, B L Braten, T 18356 Braund, D G Brener, W D Brewan, J G Brian, M V Brickey, P M Brignoli, P M Brinkhouse, K M Brisk, E J Britton, W M Brodey, R S Brown, A L Brown, D G Brown, D G Brown, G E Brown, G E Brown, R C 18223 Brown, R H J Brown, T S Jr. Bruehl, G W Brune, D Bryant, W E Brzeski, M W Buckley, P M 18458 Bull, T A Burke, C N Burkowicz, A 17989 Burleigh, J R Burnet, B Burns, W C Burrows, G E Burt, E C Burton, G W Burton, R L Burton, R L Burton, R L Burton, R P	18005 18355 18218 17956 17909 17791 17792 17741 17957 18181 18220 18221 18222 18271 17958 17960 18060 18181 17793 18429 17971 18448 18131 18132 18431 18430 18224 17961 17962 18966 18164 17966 1817 17966 18181 1797 18484 1849 1797 18484 1849 1797 18484 1849 1797 18484 1849 1797 18484 1849 1797 18484 1849 1797 18486 1849 1796 1849 1796 1849 1849 1797 18484 1849 1797 18484 1849 1797 18484 1849 1797 18486 1849 1796 1849 1796 1849 1849 1797 18484 1849 1797 18484 1849 1797 18484 1849 1797 18484 1849 1797 18484 1849 1797 18484 1849 1797 18486 1849 1796 1849 1796 1849 1849 1797 1849 1849 1797 18484 1849 1796 1796 1849 1796 1796 1796 1796 1796 1796 1796 1796 1796 1796 1796 1796 1797 1	Claborn, H V Clanton, J R Clarke, J H Clarke, M C 18228 Claveran Alonso, R Clawson, A J Clegg, L F L Clements, J B Clench, H K Clerk, G C Cleveland, T C Clifford, A J Clower, D F Cohen, S E Cole, H 18027 Cole, K W 18223 Cole, R H Coley-Smith, J R Collins, W J Cone, W W Cook, A A Cook, D Cook, R J Cooke, R C Coon, B F 18089 Corbin, J B Cornell, C N 18223 Costonis, A C Cottereau, P H Cottral, G E 18326 Coulson, R N Courtright, J B Cousins, C M Cowart, W O Cowling, E B Coyier, D L Craig, J	17823 18330 18377 18205 17919 18179 18409 18468 17864 17866 17804 17909 18181 18159 18434 17805 18088 17970 18373 17971 18134 17806 18435 18436 17806 18435 17972 18229 18325	Dowding, V M Drummond, R O Druzhelyubova, T S Dua, P M Ducnnenberger, M Duggan, R E Duggleby, W F Dunagan, T T Duncan, C J Duniway, J M Dunleavy, J M Dunleavy, J M Dunleavy, J M Dunleavy, J M Duntoit, C M G Dutkiewicz, J Dyar, R C Dzicdzicka, A Easterday, B C 18343 Ebeling, W Ebrahim, S A Economides, C V Eguchi, M Eide, C J 18013 Eisenberg, W V Eisner, T El Hammady, M El M'Saddia, K El-Saycd, E S I El-Sharkawy, T A El-Tobshy, Z M El-Zik, K M Elinov, N P Ellett, C W Ellington, J J Ellis, D J Erb, R E 18190 Ercegovich, C D Eren, J	17809 18347 17810 18185 18490 18388 17811 18186 17977 18455 18161 17977 17819 18092 17812 17831 17831 17833 18336 17814 18176 18042 17815 17976 17792 17816 18048 17817 17818 18439 18239 18240 17978 18475 18644 17819 18249 18189

Esbo, H	18441	Green, C D	18136	HuisIngh, D	18439	Knanka I I	10221
Esch, II	17820	Green, R J	17921	Hulley, P E	17905	Knapka, J J Knapp, F W	18271
Esenther, G R	17747	Griffin, G D	18137	Hunt, E G	18385	Knoke, J K	18373
Espanol, F	17821	Griffin, G J	18445	Hunter, D K	17837	Kochan, W J	17767 17996
Eto, M	18241	Grigoropoutos, S G	18417	Huo, W H	18258	Koenigs, J W	18450
Eugenio, C P Evans, E D	18442 18389	Grills, E E	17734	Hylin, J W	17939	Koerber, T W	18101
Everett, P H	18083	Groeneweg, J F Groenewegen, L J M	18488 18080	fehihara, T 18241	18241	Koger, L M	18272
Ewan, R C	18242	Grogan, R G	18037	Imamaliev, A I	10440	Kohler, E M	18273
Ewing, B B	18390	Gross, W B	18294	łmamura, T	18448 17752	Kojima, M Kolk, H	18102
Faccioli, G	17988	Guernsey, F S	18426	Imberski, R B	17838	Komersova, I	17924
Fairchild, M. L.	17866	Guerra, A A	17829	inoue, i	18259	Kongsvik, J R	18454 18011
Falcon, L A	17822	18096		Inoue, Y K	18260	Koontz, R F	18012
Farley, J D	17980	Guiet, M-C	18446	Ishikawa, M	18283	Корра, Р	17753
Fay, R W Feldman, A W	17844 18138	Gunner, H B Gunnink, J W	18384	Ito, F	18261	Kosova, A A	17754
Feldman, J M	18047	Hackman, W	18335 17750	Iverson, L G K Ives, N F	18495	Kosuge, T	17946
Fennell, M A	18234	Hagedorn, D J	18078	Ives, W G H	18379 17839	Kowal, R J	18118
Fenwick, H S	18062	Haggart, M	18206	łwasaki, K	18252	Kozar, M Kozar, Z	18366
Ferguson, A W	17920	Hagmann, L E	17843	Iwata, A	18252	Krieg, A	18366 18103
Fernelius, A L	18243	Hagstrum, D W	17830	Izrailksy, V P	18002	Kroll, R E	18013
Ferrero, D	17740	Halg, D A	18205	James, L F	18188	Krugman, S L	18451
Ferris, J M Feulner, R L	18156 18162	Hall, G O Hallab, A B	18341	18262		Kucharek, T A	18452
Fielding, A H	17965	Hammer, U T	18393 18414	Jander, R	17786	Kulasegaram, P	18266
Figueiredo, P	18166	Hammon, W M	18265	Janes, M J Jansen, J	18349	Kulik, S A	17755
Finco, D R	18244	Hampson, R J	18433	Jarrett, E E E	18263 18364	Kung, K S	17848
Finlayson, D G	18093	Hanks, R W	18138	Jarrett, W F II	18364	Kuo, M S Kybal, J	18453
Fischman, A	18360	Hanson, L E	18344	Jasper, D E	18264	Kyrou, N C	18454 17925
Fisher, F E	17981	Hanson, R P	18235	Jennings, W L	18265	La Greca, M	17849
Fletcher, L W Fontes, A V	17823	Hara, F	18252	Jensen, L D	18394	Labzoffsky, N A	18236
Foote, W D	17742 18192	Haramaki, C Harder, D E	18164	Jessep, C T	17840	Lai, P Y	18455
Ford, R E	17982	Harding, H	17991 17992	Jimenez-Millan, F Jochim, M M	18142	Lal, T B	18014
Foster, J A	17983	Harding, J A	17831	Joel, D D	18217 18293	Lall, R M	17850
Fowler, M E	18412	Hariharasubramanian,	17993	Joffe, A Z	18003	Lallmahomed, G M Lalor, W F	18015
Francis, J	18245	Harling, J	17832	Johanns, J C	17999	Lam, J J	18493 17736
18348		Harmon, S A	18077	Johnson, H W	18004	17861	17730
Frank, F W Franklin, R T	18246	Harper, A M	18097	Johnson, J C	18400	Laneaster, J L	18350
Free, J B	17748 17732	Harris, F A	17833	Johnson, J E	18197	Landim, C da C	17851
Friend, R J	17984	Harris, J H Hartman, R K	18066	Johnson, L. B.	18005	Lassiter, J W	18274
Frye, J	18124	Harvey, A E	18357 18489	Johnston, H W Jones, F G W	18006	Latterell, F M	18016
Fukuto, T R	17785	Hashimoto, H	18253	Jones, H C	18140 18449	Lau, L S Laut, J G	18390
Fulton, H G	18093	Hastie, A C	17922	Jones, P H	18189	Lavie, D	17926 18046
Fung, P H	18247	Hatch, R C	18254	18190	*****	Lawhaswasdi, K	18320
Funnell, H S	18254	Hauschild, A H W	18255	Jordan, A M	17867	Leben, C	18017
Furr, R E Fye, R E	18094 17824	Hawkins, J D	18187	Jordan, F T W	18266	Lecadet, M M	17852
Galit, J	18163	Hawkins, J L Hayes, B W	17912 18349	Josephson, K L	17911	Lee, S G	18456
Gallagher, P A	18413	Hayes, T J	18375	Joyner, L P Juberthie-Jupeau, L	17873	Leeling, N C	18482
Gallian, M J	18231	Hayman, D S	17994	Juhasz, S	17841 18191	Lehnert, T Leiderman, L	17881
Gallo, J T	18391	Heagle, A S	17995	Jurado, R	18374	Leland, S E	18166 18275
Gangwere, S K	17825	Heald, C M	18139	Jurberg, J	17853	Lent, H	17853
17826 Gaona-Rodriguez, H	17005	Heathcote, G D	18098	Kaiser, M N	17733	LeRoux, E J	18086
Garcia-Hidalgo, F	17985 18142	Hedin, P A Hedgvist, K-j	18124	Kamp, H	17842	Leuck, D B	18104
Gardiner, B G	17777	Helton, A W	17751 17996	Kane, N R	17822	18400	
Gardner, W S	17986	Henderson, J W	18361	Kao, V P Kaplan, W	17923	Levi, M P	18018
Gaskin, D E	17749	Hendrick, R D	17834	Karbe, E	18221 18267	Levine, N D Levita, B	18353
Gecan, J S	17792	Hendrix, F F	17952	Karpel, M A	17843	Lewandowska, I	17895
Geissinger, H D	18248	Hendrix, W	18072	Kassanis, B	18007	Lewis, A L	18367 18265
Geldreich, E E Gentry, C E	18392	Henery-Logan, K R	18416	Katz, M	18395	Lewis, D J	17854
Germaine, F W	18443 18204	Henson, L 18443	17997	Kawasaki, M	18268	Lewis, J A	18019
Getty, S M	18249	Henson, W	18462	Keeling, B L Keen, N T	18004	Lewis, J M	18368
Ghemawat, M S	17987	Heydrick, F P	18256	Keirans, J E	18008 17844	Lewis, L C	17882
Gibbs, H C	18372	Hildebrandt, A C	18063	Kelly, A F	17791	Lewis, W J 18141	17855
Giese, R L	18129	Himoe, E	17904	Kelsey, J M	17845	Libby, J L	18105
Gilbert, R G Gill, H S	18021	Hinneberry, T J	17847	Kenaga, C B	17987	Lim, S M	18020
Giordano, A R	18444 18288	Hirai, A Hirth, R S	17998	Kendrick, J B	18463	Linderman, R G	18021
18289	10200	Hirumi, H	18369 18133	Kenny, K V	18269	Lindley, E P	18276
Gold, A H	17988	18447	10133	Kerkut, G A Kerr, E D	17846	Line, R F	18022
Goldbloom, D E	18250	Hocking, D	17999	Keup, L E	18009 18402	Linero, M Q de Link, J D	17756
Golden, A. M.	18135	Hoff, R J	18000	Khan, N A	18318	Link, J D Linscott, D L	18379 18167
Goodchild, D J	17909	Holt, R W	18434	Khare, M N	18444	Lipa, J J	17743
Goodman, R N 17989	17961	Holub, E	18494	Kindler, S D	18099	Lippincott, B B	18023
Gordon, D E	18251	Hongo, K Hoogstraal, H	18362	King, E W	17764	Lippincott, J A	18023
18328	10231	Hooker, A L	17733 18020	King, J E	18434	Lisk, D	18403
Gordon, D T	17990	18076	10020	King, T H Kingsolver, C H	17966	Lisker, N	18003
Gorman, B M	17910	Hooker, W J	17948	Kinloch, B B Jr.	18022 18010	Littlefield, L J	17941
Gossling, J	18307	Hooper, B E	18207	Kiraly, Z	18048	Litton, C C Livshitz, I S	17997 17757
Gould, H J	18095	Hormchong, N	17957	Klrk, J K	18270	Ljungberg, G	17/37
Gould, J.H. Gracia, O	18486	Horton, J C	17947	18396, 18397, 18398,		Lloyd, E P	17856
Grass, E E	18047 18296	Hoseln, I Houser, B B	18001	Kirk, V M	18100	Lobanov, A M	17758
Grasso, A	17827	Howard, E F	18363 17835	Kishaba, A N	17847	Lockwood, J L	17980
Graves, J B	17790	Howarth, J A	18257	Kitamura, Y Kitayama, II	18365	Lodhi, A F	17927
Gravitz, N	17828	Hsu, C K	18282	Klein, A K	18365 18379	Loegering, W Q Logomarsino, J V	18024
Gray, D E	17747	Hughes, I W	17836	Knake, E L	18165	Loken, K I	18391 18312
							10012

```
18110
                               18142
                                                                        18462
                                                                                  Patterson, R S
                                                                                                                           Rohinson, R A
                                                                                                                                                           18312
Lopez-Abella, D
                                         Mertz, D
                                                                        18215
                                                                                  Pattxn, S R
                                                                                                                 17735
                                                                                                                            Rodricks, J V
                                                                                                                                                           18416
Lopez, E
Lougheedi, G J
Lovely, W G
                               17823
                                         Meszaros, J
                                                                        17785
                                                                                   Payton, J D
                                                                                                                 18020
                                                                                                                            Roelfs, A P
                                                                                                                                                           17962
                               18035
                                         Metcalf, R L
                                         Meyer, D L
Meyerholz, G W
                               17831
                                                                        18292
                                                                                  Payne, J A
                                                                                                                 17764
                                                                                                                           Rogers, C E
Rogers, N C
                                                                                                                                                           18373
                                                                                  Peacock, W J
Lovitt, A E
                               17883
                                                                        18279
                                                                                                                 17909
                                                                                                                                                           17957
                                         Mikulina, R V
Millazzo, F H
                                                                        18149
                                                                                  Pederson, G L
                                                                                                                 18395
                                                                                                                            Rohwer, G G
                                                                                                                                                           18378
Low, DG
                               18244
                                                                                                                            Romig, R W
                                                                                  Peet, C E
Lowery, R S
                               18400
                                                                        18035
                                                                                                                 18022
                                                                                                                                                           17962
                                         Miller, CR
                                                                                                                           Romuary, J
                                                                                                                 17870
Lozano, J C
                               18025
                                                                        18036
                                                                                  Peleg, J
                                                                                                                                                           18215
Luedke, A J
                               18217
                                         Miller, J W
                                                                        17928
                                                                                  Pepper, J O
                                                                                                                  17806
                                                                                                                            Roncadori, R W
                                                                                                                                                           18052
                                                                                  Perimmer, T R
                                                                                                                           Roney, J N
Ross, A F
Ross, D B
Luethi, C
                               18490
                                         Miller, L D
                                                                        17864
                                                                                                                 18094
                                                                                                                                                           18178
Luginhuhl, R E
                               18774
                                         Miller, P M
                                                                        17929
                                                                                  Perrotta, G.
                                                                                                                 17933
                                                                                                                                                           17983
                               18057
                                                                                  Perry, A S
Peterson, C F
                                                                                                                 17844
                                                                                                                                                           18313
Luke, H H
18147
                                           18143
                                         Millikan, D F
                                                                                                                 18206
                                                                                                                            Roth, H
                                                                                                                                                           18112
                                                                                   Peterson, L G
Lukens, R J
                               18026
                                         Mills, J H L
                                                                        18369
                                                                                                                 17871
                                                                                                                            Roth, L M
                                                                                                                                                           17765
Lykken, L
                               18401
                                         Milne, K S
                                                                        18037
                                                                                  Petrasova, M
                                                                                                                 18487
                                                                                                                            Rout, G
                                                                                                                                                           18113
Mac Bain, A G
                                                                                                                            Routledge, J K
                               18494
                                         Miner, J R
                                                                        18404
                                                                                  Pettit, B 1
                                                                                                                 17872
                                                                                                                                                           18332
                                                                                                                            Rowell, J B
                                         Minyard, J P
                                                                                   Pettit, R E
                                                                                                                 18043
                                                                                                                                                           17964
Macias, W
                               18132
                                                                        18174
Mackay, M R
Mackenthun, K M
                                                                                  Phillips, L A
Pickard, J R
                                                                                                                            Rud, O E
                                                                                                                 18306
                                         Mircetich, S.M.
                                                                                                                                                           18171
                               17857
                                                                        18463
                                                                                                                            Ruphrah, N.S.
                               18402
                                         Mishima, M
                                                                        18241
                                                                                                                 18279
                                                                                                                                                           17766
MacKenzie, D R
                                         Mishra, G S
                                                                                                                 18307
                               18027
                                                                        18370
                                                                                   Pickrell, J A
                                                                                                                            Rusch, V
                                                                                                                                                           18017
MacLaren, J P
                               17912
                                         18371
Mitchell, R
                                                                                   Pienkowski, R L
                                                                                                                 17900
                                                                                                                            Russell, R S
                                                                                                                                                           18424
MacMillan, J
                               18485
                                                                        17752
                                                                                  Pier, A C
                                                                                                                 18184
                                                                                                                            Russell, W G
                                                                                                                                                           18114
                                                                                  Pierpoint, W S
                                         Mitrofanov, VI
                                                                        17757
MacSwan, 1 C
                               17973
                                                                                                                 18045
                                                                                                                            Saaltink, G J
                                                                                                                                                           17932
                                                                        17761
                                                                                                                            Sachs, M
Macy, R M
Madden, D L
                               17906
                                                                                  Pillon, D
                                                                                                                 17800
                                                                                                                                                           18467
                                         Mook, J H
                                                                                                                           Saettler, A W
                                                                                  Pinkas, J
                               18277
                                         Moon, H W
                                                                        18293
                                                                                                                 18046
                                                                                                                                                           18422
Maeda, K
Mahmood, M A
                               17939
                                         Moore, M B
                                                                                   Pitcher, R S
                                                                                                                            Safianova, V M
                                                                        17995
                                                                                                                 18145
                                                                                                                                                           17778
                               18318
                                         Moure, R B
                                                                        18273
                                                                                  Pitman, R M
                                                                                                                 17846
                                                                                                                            Saiduddin, S
                                                                                                                                                           18192
Maier, CR
                               18028
                                         Moore, W E C
                                                                        18294
                                                                                  Pitre, D
                                                                                                                 18109
                                                                                                                            Saini, M L
                                                                                                                                                           18115
                                         Moral, A
Morehouse, L G
                                                                                  Plumh, S
                                                                                                                            Salmon, A J
Main, C E
                               18029
                                                                        18374
                                                                                                                 18136
                                                                                                                                                           18314
                                                                                  Plummer, C B
                               18454
                                                                        18230
                                                                                                                            Sander, K
                                                                                                                                                           17878
Majer, J
                                                                                                                 18275
                               17810
                                         Morton, J D
                                                                        18274
                                                                                  Pohland, F G
                                                                                                                 18405
                                                                                                                            Sanders, D P
                                                                                                                                                           18352
Makarova, L.A.
Malik, R A
                                                                        18295
                               18106
                                         Moscovici, C
                                                                                  Pol, E W
                                                                                                                 18406
                                                                                                                            Sanderson, J
Mandeles, S
                               18457
                                         Moulthrop, J I
                                                                        18296
                                                                                  Polatnick, J
                                                                                                                 18308
                                                                                                                            Sang, J H
                                                                                                                                                           17902
                                                                                    18309
Mann, W F
                               18107
                                         Mount, M S
                                                                        18038
                                                                                                                            Sanz, F
                                                                                                                                                           18374
                                                                                                                            Sarkissiav, 1 V
Manners, C 1
                               18278
                                         Mowat, G N
                                                                        18316
                                                                                  Polson, D E
                                                                                                                 18466
                                                                                                                                                           18470
                                                                                  Pomeroy, B S
Pond, W G
Manning, A
Mansfield, M E
                                                                                                                           Sarojak, D
Sather, G E
                               17858
                                           18317
                                                                                                                 18296
                                                                                                                                                           17957
                                         Mueller, A
                                                                                                                 18391
                               18279
                                                                        17886
                                                                                                                                                           18265
                                                                                                                           Satisti, G E
Satoh, H
Saunders, J L
18368
Maramorosch, K
                                         Muenster, O A
                                                                        18380
                                                                                  Pontis, R E
                                                                                                                 18047
                                                                                                                                                           18365
                               18133
                                         Muller, A S
                                                                        18053
                                                                                  Pope, A L
                                                                                                                 18242
                                                                                  Post, F J
March, BE
                               18280
                                         Munk, R
                                                                        17865
                                                                                                                 18100
                                                                                                                            Savitzky, B P
                                                                                                                                                           17768
                                                                                                                           Scaramuzzi, G
Marchetti, M A
                               18016
                                         Murayama, D
                                                                        18102
                                                                                  Post, J E
                                                                                                                 18310
                                                                                                                                                           17933
                                         Murdoch, W P
Margulies, L.
Markin, G.P.
                                                                                                                           Schafer, J F
                               17907
                                                                        17912
                                                                                  Pound, G S
                                                                                                                 17953
                                                                                                                                                           17987
                                                                                                                            Schanderl, S H
                                                                        18039
                                                                                                                                                           18482
                               17859
                                         Murtomaa, A
                                                                                  Powell, D.M.
                                                                                                                 18122
Marsh, P B
                                         Musick, G J
                                                                                  Powell, R G
                                                                                                                 18421
                                                                                                                            Scheffer, R P
                               18108
                                                                        17866
                                                                                                                                                           18453
                                         Nash, TAM
                                                                                  Pozsar, B 1
Martin, C E
                               18207
                                                                        17867
                                                                                                                 18048
                                                                                                                            Scheilenbaum, M
                                                                                                                                                           18490
Martin, F H
                               18281
                                         Nasir, M A
                                                                        18040
                                                                                  Pramer, D
                                                                                                                 18134
                                                                                                                            Schieber, E
                                                                                                                                                           18053
Martin, N E
                               18030
                                         Natalizi, G M
                                                                        17827
                                                                                  18440
Prasad, S K
                                                                                                                              18054
                                                                                                                           Schkljar, S N
Schmidt, R C
Martin, R. I.
                               18282
                                         Nath, R
                                                                        18116
                                                                                                                 18146
                                                                                                                                                           18002
                                         Nath, K
Nayar, J K
Neal, F C
Martin, W.J.
                               17918
                                                                                  Prentice, J L
Price, W C
                                                                        17868
                                                                                                                 18438
                                                                                                                                                           18315
Martinez, A P
                               18049
                                                                        18275
                                                                                                                 18049
                                                                                                                            Schmitthenner, A F
                                                                                                                                                          18017
Martouret, D
                                                                                  Procter, B G
                                         Neave, F K
                                                                        18194
                                                                                                                              18064
                               17852
                                                                                                                 18372
Matsumoto, T T
                               18458
                                         Nemeth, 1
                                                                        18191
                                                                                  Pruess, K P
                                                                                                                 18111
                                                                                                                            Schnurrenberger, P R
                                                                                                                                                           18787
Matsuno, K
Matthysse, J G
Maxwell, C W
                                         Newell, K W
                                                                        18342
                               18283
                                                                                  Pryce, R J
                                                                                                                 18485
                                                                                                                            Schoeneweiss, D F
                                                                                                                                                           18055
                                         Newhall, A G
                               18403
                                                                        18041
                                                                                  Punter, D
                                                                                                                 17930
                                                                                                                           Scholten, H
                                                                                                                                                           18056
                                         Newton, W L
                                                                                                                           Schryver, H F
Schwartz, H
                                                                        18297
                               17860
                                                                                  Purnell, R E
                                                                                                                 17873
                                                                                                                                                           18221
Maxwell, D
                                                                        17734
                                         Nicholls, C F
                                                                                  Qualset, C O
                                                                                                                 18050
                                                                                                                                                           18471
Maxwell, D P
                               18460
                                         Nichols, J B
                                                                        18298
                                                                                  Quattrochi, L P
                                                                                                                 17874
                                                                                                                            Schwenk, P von
                                                                                                                                                           18472
Mayor, O Y
                               18284
                                         Nicoletti, P
                                                                        18299
                                                                                  Quevedo, M M
                                                                                                                 18192
                                                                                                                            Scott, H G
                                                                                                                                                           17913
Mayr, A
McCall, S R
                               18285
                                         Nightingale, H 1
                                                                        18464
                                                                                  Quintana-Muniz, V
                                                                                                                 18127
                                                                                                                           Scrivner, L H
                                                                                                                                                           18246
                                         Niild, L
Nishibe, Y
                                                                                  Raatikainen, M
Radzichovskaja, R
                                                                                                                           Sechler, D
Sechler, D T
                               18066
                                                                        18255
                                                                                                                 17875
                                                                                                                                                           18057
McCauley, E H
McCormick, W H
                               18286
                                                                        18260
                                                                                                                 18311
                                                                                                                                                           18147
                               17979
                                         Norris, J F
                                                                        17819
                                                                                  Rahn, E M
                                                                                                                 18162
                                                                                                                           Seeman, J
                                                                                                                                                           18195
                                                                                                                           Seidman, G
Mccoy, J R
                               17856
                                         Nose, I
                                                                        18283
                                                                                    18168
McCracken, F1
                                         Novilla, M N
                                                                        18300
                                                                                  Rainey, D P
                                                                                                                 18051
                                                                                                                            Seinhorst, J W
                               18461
                                                                                                                                                           18148
McCullough, N B
                                         Nunberg, M
Nyberg, P A
O'Bannon, J H
                              18277
18287
                                                                        17762
                                                                                  Randolf, N M
Rao, B V
                                                                                                                 18123
                                                                                                                           Seligman, 1 M
                                                                                                                                                           17879
McErlean, B A
                                                                        18301
                                                                                                                 18381
                                                                                                                           Sellers, R F
                                                                                                                                                           18316
McFadden, M W
                                                                                  Rappaport, L
                               17861
                                                                        18144
                                                                                                                 18467
                                                                                                                              18317
McGee, D C
                                         O'Reilly, K J
                               18031
                                                                        18302
                                                                                  Raros, R S
                                                                                                                 18087
                                                                                                                            Senotrusova, V N
                                                                                                                                                           17769
McGuire, T C
                                                                                  Rawlins, W A
                               18213
                                         Oberg, K-e
                                                                        18415
                                                                                                                 18110
                                                                                                                           Sequeira, L
                                                                                                                                                           18025
McIntyre, R J
                               17862
                                         Chhayashi, M
                                                                        18365
                                                                                  Ray, BR
                                                                                                                           Seth, M L
Shalkop, W T
                                                                                                                 18169
                                                                                                                                                           18116
                                                                                  Raychaudhuri, S P
McKay, K A
McKercher, P D
                               18203
                                         Okada, S
                                                                        18283
                                                                                                                 18116
                                                                                                                                                           18382
                                         Okuntzova, E V
                                                                                  Reddy, M N
Reed, G L
                                                                                                                           Sharpe, H B A
                               18288
                                                                        17768
                                                                                                                 18008
                                                                                                                                                           18778
 18289
                                                                        17763
                                         Oliger, G
                                                                                                                 17882
                                                                                                                           Shaver, T N
                                                                                                                                                           18096
McKibben, G E
                                                                                  Reid, D M
                                                                                                                            Shaw, J G
                               18368
                                         Olson, C
                                                                        18328
                                                                                                                 18468
                                                                                                                                                           18117
                                         Orlova, G I
Mckihben, G H
                                                                        18002
                                                                                  Reierson, D A
                                                                                                                 17814
                                                                                                                           Shealy, Y F
                               17856
                                                                                                                                                           18124
                                         Ose, E E
Osipov, G V
Otani, H
Mclaughlin, R E
                               17856
                                                                        18380
                                                                                  Reinert, R A
                                                                                                                 18009
                                                                                                                           Sheffy, B E
                                                                                                                                                           18285
McMahon, D A
                                                                                  Relimpio, A
                                                                                                                           Sheikh, S A
                               18302
                                                                        17869
                                                                                                                 18374
                                                                                                                                                           18318
McMasters, V R
                                                                                  Retnakaran, A
                               18290
                                                                        18303
                                                                                                                 17876
                                                                                                                           Shepard, J F
                                                                                                                                                           18058
McMillan, R T
                                                                                                                            Sheppard, A C
                               18032
                                         Ozawa, Y
                                                                        18304
                                                                                  Rhoades, H E
                                                                                                                 18307
                                                                                                                                                           18485
McNeilan, R A
                               17973
                                         Pal, S G
                                                                                    18344
                                                                                                                           Sheridan, J E
                                                                        18305
McVicar, J W
Mead, F W
                               18326
                                         Pande, B P
                                                                        18370
                                                                                  Rich, S
                                                                                                                 17929
                                                                                                                           Shevchenko, A K
                                                                                                                                                           17880
                              17764
17759
                                          18371
                                                                                    17931
                                                                                                                           Shikata, E
                                                                                                                                                           18102
Medvedev, L N
                                         Pangaldan, R
                                                                        17847
                                                                                  Richardson, H H
                                                                                                                 18112
                                                                                                                           Shimanuki, H
                                                                                                                                                           17881
Mehl, R
                               17760
                                         Pantulu, J V
                                                                                  Richmond, D V
                                                                                                                 18469
                                                                                                                           Shipman, R D
                                                                        18465
                                                                                                                                                           18172
Meinershagen, W A
                                                                                                                           Shipton, W A
                               18246
                                         Papasolomontos, A
                                                                        18042
                                                                                  Richter, E
                                                                                                                 18068
                                                                                                                                                           18060
                                         Papavizas, G C
                                                                                  Riemer, D N
Meinwald, Y C
                               17816
                                                                        17921
                                                                                                                 18170
                                                                                                                           Shoukry, K S M
                                                                                                                                                           18061
                                                                                                                                                           17887
Mellanby, K
                               17863
                                         Papp-Vid, G
                                                                        18215
                                                                                  Riggan, W B
                                                                                                                 18473
                                                                                                                           Showers, W B
Shrivastava, S P
Melville, S C
                                                                                  Rizajeva, M I
Roach, S H
                              18033
                                        Parent, B
Parida, S C
                                                                       18109
                                                                                                                 18448
                                                                                                                                                           17796
Mengeling, W L
                                                                                                                 17877
                                                                                                                           Shupe, J L
Shyamala, M B
                              18291
                                                                        18113
                                                                                                                                                           18262
Merrill, W
                                         Parrott, D M
                              18018
                                                                        18140
                                                                                  Roberts, DA
                                                                                                                 18049
                                                                                                                                                           17803
  18034
                                         Partida, g J
                                                                        17887
                                                                                  Roberts, E C
                                                                                                                 18124
                                                                                                                           Siegl, G
                                                                                                                                                           18285
Merry, D L
                              18222
                                        Partridge, J E
                                                                       17979
                                                                                                                 18351
                                                                                                                           Sikes, D
                                                                                  Roberts, J A
                                                                                                                                                           18319
```

AUTHOR INDEX

Sikes, R K

Sikes, R K	18315	Suhrbier, R	18494	Tsao, P H	17847	White, E A	18232
Silverborg, S B	17959	Susidko, P I	18119	Tsivoglov, E C	18407	White, F H	18337
Simco, J S	18350	Sussman, D E	18196	Tu, J C	17982	White, G	18302
Simpson, M E	18108	Sutherland, J R	18150	18072		White, W B	18129
Simpson, W R	18062	Sutherland, O R W	18120	Tunblad, B	18126	Whitehead, R H	17910
Singh, B B	18381	Sutmoller, P	18325	Tunoda, T	18241	Widmark, G	18408
Singh, H	18193	18326		Turkoglu, K	18073	Widmer, B	17799
Singh, H H	17884	Sweet, R D	18160	Turner, E C	17794	Wilhelm, A R	18340
Singh, M	18063	18173		Turner, J P	17823	Wilkinson, D R	17937
Singh, S	18177	Swenson, G A	18344	Tweedy, B G	18425	18076	
Siradhana, B S	18064	Swensson, A	18418	Ueno, H	18252	Wilkinson, G T	18420
Sisson, V	17802	Szatalowiez, F T	18214	Ulberg, L C	18179	Willetts, H J	18477
Smerlis, E	18065	Szidat, L	18327	Ullah, Z	18040	Williams, I H	18093
Smith, A	18194	Taber, R A	17934	Uno, K	18241	Williams, J E	18341
Smith, C E G	18302	18043, 18069		Urquhart, G M	18364	Williams, L F	18224
Smith, C T	18491	Taber, W A	17934	Ursprung, H	17838	· Williams, L P	18342
Smith, D H	18179	18069		Ushijima, J	18333	Williams, P H	17953
Smith, J W	18417	Tagiltsev, A A	17769	Vago, C	17893	18008	
Smith, L W	18474	Tajima, M	18328	Valenta, V	18039	Williams, T D	18140
Smith, P C	18320	Takahashi, M	17888	Van Dyke, C G	18074	Williamson, R L	17899
Smith, R H	18118	Takahashi, Y	18283	Van Houweling, C D	18496	Willson, C	17828
Smith, S	18273	Talerieo, R L	17889	Van Walleghem, P A	18334	Wise, M B	18183
Smith, S H	18066	Taliaferro, C M	18104	Vanterpool, T C	18069	Wiseman, H G	18382
Snoeyenbos, G H	18321	Tamaki, G	18121	Vengris, J	18174	Witherell, S S	18478
Snowdon, W A	18316	18122		Vermeulen, H	17999	Witte, K H	18343
Soave, O A	18322	Tandon, I N	17917	Verner, M A J	18335	Woelke, C E	18395
18323		Tanono, El E	18229	Verrett, M J	18416	Wolfe, M S	18130
Soderstrom, E L	17883	Tappan, W B	18147	Vey, A	17893	Wong, K	18156
Sofer, W H	17838	Tariq, Z K	17772	Viek, W E	18320	Woodey, J	18395
Sollod, A E	18375	Tashiro, H	18117	Vignau, J	17894	Woodruff, A W	18376
Somerhalder, B R	18111	Taylor, D P	18135	Vinson, S B	17855	Woods, C W	17798
Somers, E	18469	Teetes, G L	18123	Vleeschauwer, L	17735	Woods, G T	18344
Sommer, N F	18431	Teliz, D.	18070	Vogt, P K	18295	Woods, T A D	18084
18458		Temple, C	18124	Vollmar, H	17878	Woodside, A M	17900
Soulsby, E J L	18375	Teploukhova, T N	18151	Vosdingh, R A	18336	Worley, R E	18077
Sparks, A K	18395	Terzian, L A	17885	Vuillaume, M	17895	Woude, G F V	18308
Spelsberg, T C	18470	Thanh, T N	17800	Wagenbach, G E	18419	18345	
Srivastava, K P	17884	Thizy, A	17800	Wagner, R E	17814	Wright, C C	17901
Stahler, N	17885	Thomas, A S	18161	Waldhalm, D G	18246	Wright, C P	17908
Stall, R E	17970	Thomas, H A	17773	Walker, D W	18127	Wyllie, T D	18131
Standfast, H A	17914	Thomas, L	18246	Walker, J W	18204	Yagi, H	18346
Stanton, J S	18320	Thompson, A C	18124	Walker, R J	17846	Yanders, A F	17909
Staples, R	18067	Thrasher, J J	17792	Walsh, A F	18337	Yang, S M	18078
18099		Thrasher, J P	18330	Wandera, J G	18338	Yau, T M	18186
Stedman, S	18128	Thyr, B D	18071	Wani, W D	18454	Ylimaki, A	18079
Steelman, C D	18090	Tiehomirova, A L	17890	Ward, G M	18197	Yoshitake, N	17815
Stegmaier, C E	17770	Tieken, E L	18286	Wareham, A C	17896	Young, H C Jr.	18452
Stein, V W	18068	Tietjen, W L	17891	Warner, D N	17887	Young, S	18208
Stempffer, H	17771	Tiffon, Y	18178	Warrington, R E	18339	Yuasa, R	18333
Stern, V M	17886	Tilavov, T	17892	Warrington, R. E. Watanabe, S	18241	Zadoks, J C	18080
Stevenson, E L	18161			Watters, F L	17897	Zaitlin, M	17993
Stewart, P A	17736	Tillman, A D Tingle, F C	18182	Way, J M	18075	Zajciw, D	17774
Stokes, G W	17997		17856		18146	Zavortink, T J	17775
Stoloff, L	18416	Todd, G C	18382	Webster, J M		Zemanek, J	18479
Stoner, M F	18492	Todd, J W	18125	Weddinan, G T	18111	Zemskaya, A A	17915
Stoner, R D	18293	Tokumaru, T	18331	Weeks, R E	18121	Zentmyer, G A	18432
Stoyakov, A V	18149	Tomlinson, H	17931	Wells, H D	18139	18463	1000
Strandberg, J D	18324	Torok, D	17935	Wene, G P	17898	Zeyen, R J	18085
Strauss, J	18195	Townshend, J L	18152	18128	10303	Zhirmunskaya, N M	18480
Street, J C	18262	Townshend, T L	18153	Werkowski, S	18383	Zimmerer, R P	18481
Stroev, S S	18475	Trainer, O O	18336	Westermark, T	18198	Zinn, D W	18234
Strong, R G	17887	Trautman, R	18345	Westoo, G	18199	Zscheile, F P	18005
Struck, R F	18124	Treece, R E	17766	Wetters, E J	17910	Zuekerman, B M	18384
Sudakova, I M	18149	Trudgill, D L	18154	Whelan, D L	18197	Zumpt, F	17776
Sugawara, M	18102	Trum, B F	18332	White-Stevens, R	17936	Zwet, T Van Der	18081

ORGANIZATIONAL INDEX

Agricultural Research Service 18366 Alberta University, Canada Dept. of Food Science 18409

American Phytopathological Society

17938 Bristol University, Great Britain Dept. of Botany 18477

California University, Berkeley Dept. of Biochemistry and Entomology 17828

California University, Davis Dept. of Plant Pathology 18070

California University, Davis School of Veterinary Medicine 18257

California University, Riverside Dept. of Plant Pathology 18463

Canada Dept. of Agriculture, Vineland Research Station 18153

Canada National Research Council 18035 Canadian National Health

Quebec Ministry of Health 18329

Central Veterinary Laboratory, Weybridge, Surrey, England 18284

Chimes Terrace, Vineland, N. J. 18471

Ciba Ltd., Basel, Switzerland 18490

Clemson University Dept. of Entomology and Zoology 17764

Consejo Superior de Investigaciones Científicas, Madrid, Sp 18142

Cornell University, Ithaca, N. Y. Dept. of Entomology 18110

Cornell University, Ithaca, New York 18391

Dept. of Forestry of Canada, Sillery, Quebec Forest Research Laboratory 18150

Division of Research and Training Grants, Bethesda, Maryla

Tulane University School of Medicine, New Or-leans, Louisian; Dept. of Tropical Medicine and Public Health; Division of Epidemiology 18342

Hochschule für Landwirtschaft, Bernburg, Germany

Institut für Naturwissenschaften 18472

Indian Lac Research Institute, Namkum, India 17903

Japan Ministry of Education Scientific Research Fund

Louisiana State University, Baton Rouge Dept. of Entomology 17790

MacDonald College of McGill University, MacDonald Col Lege P. O., Quebec; Dept. of Entomology

18086 Medical Research Council

18211

Michigan State University, East Lansing Depts. of Food Science and Entomology 18482

Minnesota University

18201

National Aeronautics and Space Admisistration National Institutes of Health

National Institute for Research in Dairying, 18194

National Institute of Allergy and Infectious Diseases 18337

National Institute of Allergy and Infectious Discases Laboratory of Parasitic Diseases

18297 National Institute of Health

18063 National Institutes of Health

17876, 18186, 18307, 18323 National Institutes of Health

National Institute of Allergy and Infectious Diseases 18331

National Institutes of Health

National Institute of Allergy and Infectious Diseases; U. S. Communicable Disease Center 18353

National Institutes of Health National Science Foundation 17838

National Institutes of Health U.S. Public Health Service 18322

National Institutes of Health

Wisconsin University, Madison; Dept. of Vetcrinary Science 18235

National Science Foundation 17801

National Vegetable Research Station, Warwick, England 18075

Nevada University, Reno 18192

North Carolina State University, Raleigh 18183

North Carolina State University, Raleigh Dept. of Plant Pathology 18018

Ohio Agricultural Research and Development Center, Wooster Dept. of Zoology

17766

Ohio State University, Columbus 18064

Oklahoma Agricultural Experiment Station, Stillwater 18182

Pennsylvania University, Philadelphia School of Veterinary Medicine; U. S. Public Health Service 18375

Phytopathological Society of Japan 18044

Post-graduate College of Animal Sciences, Izatnagar, India Indian Veterinary Research Institute

18381

Public Health Service 18224 Public Health Service

Connecticut University, Storrs; Dept. of Animal Diseases 18369

Purdue University, Lafayette, Indiana Dept. of Entomology 18156

Rhode Island University, kingston Dept. of Plant Pathology-Entomology 17956

Rothamsted Experimental Station, Harpenden,

England 18146, 18155

Rubber Research Institute of Malaya, Kuala Lumpur, Malaysia 18421

Saskatchewan University, Saskatoon, Canada Dept. of Biology; National Science Foundation 18069

Sydney University, Sydney, Australia Dept. of Agricultural Botany 18060

Texas A and M University, College Station 18352

U. S. Agency for International Development 18105

U. S. Atomic Energy Agency 18127

U. S. Atomic Energy Commission 18271

U. S. Dept. of Agriculture Institute for Plant Protection, Posen, Poland; Laboratory of Parasitology 17743

U. S. Dept. of Agriculture, Athens, Georgia Southeastern Forest Experiment Station 18052

U. S. Dept. of Agriculture, Beltsville, Maryland Agricultural Research Service; Crops Research Division 17921

U. S. Food and Drug Administration 18270, 18388, 18396, 18397, 18398, 18399, 18476

U. S. Public Health Service 18020, 18134

U. S. Public Health Service National Cancer Institute 18295

U. S. Public Health Service National Institutes of Health 17816

U. S. Public Health Service National Institutes of Health; University of Illinois, Urbana; Dept. of Plant Pathology

18076 U. S. Public Health Service

U. S. Army Medical Research and Development Command 18265

U. S. Public Health Service

Wisconsin University, Madison; Dept. of Plant Pathology 17953

United Nations Educational, Scientific and Cultural Organiz 18305

United States Public Health Service 18417

USSR Academy of Sciences, Moscow Institute of Evolutionary Morphology and Ecology of Anima 17890

West Pakistan Agricultural University, Lyallpur, Dept. of Plant Pathology 18040

Wisconsin University Graduate School 18363

Wisconsin University, Madison 18242

Wisconsin University, Madison Dept. of Entomology 17767

Wisconsin University, Madison Dept. of Veterinary Science 18336

World Health Organization 18260

Zoological Museum, Helsinki 17750





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