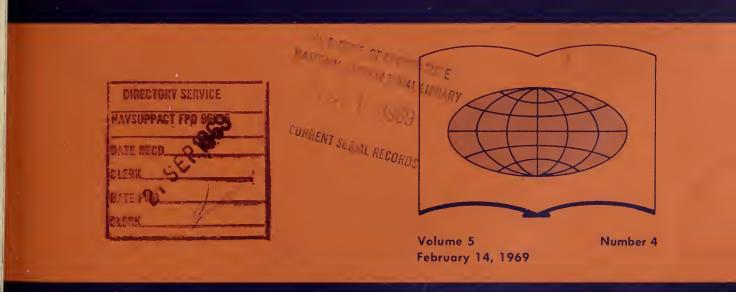


Pesticides Documentation Bulletin





U.S. DEPARTMENT OF AGRICULTURE

PESTICIDES DOCUMENTATION BULLETIN

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.

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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

Mode of Application Rates of Application Soil Types

Soil Types Carriers

Crops or Weeds tested with phytotoxicity ratings

Associated documentation

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ACKNOWLEDGMENT

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

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



ENTOMOLOGY

1857-69 MODIFIED CONTAINER FOR STUDY OF PHOTOPERIODISM.

V E Adler

J Econ Entomol 62(1):269-270

17 Feb 1969 421 J822

Entomology, Equipment, Containers. Photoperiodism, Research.

VACUUM CLEANER FOR USE WITH GRANU-LAR APPLICATORS IN FIELDPLOT WORK.

R M Coan

J Econ Entomol 62(1):274-275

17 Feb 1969 421 J822

Chemical control (insects), Equipment, Hypera postica, Insecticide application, Insecticides, Vacuum cleaners.

1859-69

A VACUUM PROBE FOR MANIPULATING INSECTS.

R I Daum G H McKibben J Econ Entomol 62(1):267-269 17 Feb 1969 421 J822

Anthonomus grandis, Entomology, Equipment, Research, Vacuum.

1860-69

A TECHNIQUE FOR STUDYING THE FEEDING HABITS OF THE HORN FLY.

R L Harris J A Miller

J Econ Entornol 62(1):279-280

17 Feb 1969 421 J822

Equipment, Feeding, Haematobia irritans, Insect behavior, Insect cages, Research.

AN AUTOMATED REPELLENCY-ASSAY SYSTEM. II. A NEW ELECTRONIC BITOMETER-TIMER.

P Kashin B E Arneson

J Econ Entomol 62(1):200-205

17 Feb 1969 421 J822

Aedes aegypti, Equipment, Insect repellents, Research, Statistical analysis.

SYSTEMATICS

NEW OLD WORLD GENERA OF THE EURYGENIINI (COLEOPTERA: ANTHICIDAE).

M Abdullah

Pakiston J Sci Indus Res 11(2):190-198

Apr 1968 475 P174

Anthicidae, Catalogs, Insect identification, Insect taxonomy.

1863-69

A UNIQUE FEMALE SPECIMEN FROM UPPER BURMA: A NEW GENUS AND SPECIES OF MICRELYTRINAE (HEMIPTERA: ALYDIDAE). 1 Ahmad

Pokiston J Sci Indus Res 11(2):204-207

Apr 1968 475 P174

Alydidae, Insect taxonomy.

SOME SPECIES OF PEDIOBIUS WALKER (HYMENOPTERA, EULOPHIDAE) INHABIT-ING CYNIPID OAK GALLS.

R R Askew

Entomophogo 7(4):337-342

1962 421 EN835

Cynipidae, Eulophidae, Insect taxonomy, Parasitic insects, Pediobius, Plant galls. French summary.

SUPPLEMENT TO THE REVISION OF THE WEST-PALEARCTIC ICHNEUMONIDAE SCAMBUS HTG. (FR)

J-F Aubert

Schweiz Entomol Ges Mitt 40(1/2):56-62 REF 20 Jul 1967 420 SW6

Ichneumonidae, Insect taxonomy. Contribution to the study of Hymenoptera no. 60, revisions for 12 species of Scambus.

1866-69

ORTHOPTEROLOGICAL NOTES. XXII. THE GENUS MYRMECOPHILUS BERTH. IN ITALY.

B Baccetti

Redia (SER 2)50:1-33 MAP REF

1967 421 R241

Formicidae, Insect biology, Insect identification, Insect taxonomy, Insect vectors, Orthoptera, Zoogeography. English summary.

THE DISTRIBUTION OF ANTS IN CENTRAL SOUTHERN ENGLAND.

K E I Barrett

Soc Brit Entomol Trons 17(9):235-250 MAP REF Mar 1968 420 SO15

Catalogs, Formicidae, Habitats, Insect geography,

THE CHIRONOMIDAE OF FLORIDA. II. THE NUISANCE SPECIES.

E C Beck W M Beck

Flo Entomol 52(1):1-11 REF

Mar 1969 420 F662

Catalogs, Chironomidae, Insect identification, Insect taxonomy.

1869-69

CONTRIBUTION TO THE FAUNA OF CONGO (BRAZZAVILLE), MISSION OF A. VILLIERS AND A. DESCARPENTRIES. LII. LEPIDOPTERA PIERIDAE, (FR)

G Bernardi

Inst Fondomentol Afr Noire Bull Ser A Sci Notur (SER A)19(2):792-803 MAP REF

Apr 1967 515 D14

Insect identification, Insect taxonomy, Lepidoptera, Pieridae, Zoogeography.

AS YET UNKNOWN DOLICHOPODIDAE (DIPT.) FOR THE BULGARIAN FAUNA. (GE) V L Beschovski

Zool Anz 178(3-4,MAR-APR):219-224

Apr 1967 410 Z7 Catalogs, Dolichopodidae, Insect taxonomy, Surveys.

1871-69

A NUMERICAL TAXONOMY OF ORTHOPTE-ROID INSECTS.

R E Blackith R M Blackith

Austrolion J Zool 16(1):111-131 REF

Feb 1968 410 AU73

Insect taxonomy, Methodology, Orthoptera.

NEW LONGICORNS OF THE MUSEUM OF NATURAL HISTORY AT GENEVA. (FR)

S Breuning

Schweiz Entomol Ges Mitt 40(1/2):27-36 20 Jul 1967 420 SW6

Cerambycidae, Insect collection, Insect taxonomy, Natural history. Description of 22 new species and genus.

1873-69

A NEW SPECIES OF OTIDOECUS. (PHILOP-TERIDAE, MALLOPHAGA).

W Buttiker

Schweiz Entomol Ges Mitt 40(1/2):92-95 20 Jul 1967 420 SW6

Insect taxonomy, Mallophaga, Parasitism, Philop-

1874-69

CONTRIBUTION TO THE FAUNA OF CONGO (BRAZZAVILLE), MISSION OF A. VILLIERS AND A. DESCARPENTRIES. L. ORTHOPTERA GRYLLODEA. (FR)

L Chopard

Inst Fondomental Afr Noire Ball Ser A Sci Notar (SER A)19(2):758-776

Apr 1967 515 D14

Insect identification, Insect taxonomy, Orthoptera, Zoogeography.

ON THE KNOWLEDGE OF THE EPHYDRIDAE (DIPTERA, BRACHYCERA) FROM EASTERN SIBERIA. (GE)

R Dahl

Notaloe Entomol 48(1):35-39

1968 421 N84

Ephydridae, Insect taxonomy.

1876-69

CONTRIBUTION TO THE FAUNA OF CONGO (BRAZZAVILLE). MISSION OF A. VILLIERS AND A. DESCARPENTRIES. LIII. HOMOPTERA CICADIDAE. (FR)

J Dlabola

Inst Fondamental Afr Noire Ball Ser A Sci Notur (SER A)19(2):804-806

Apr 1967 515 D14

Cicadidae, Homoptera, Insect identification, Insect taxonomy, Zoogeography.

1877-69

A CONTRIBUTION TO THE KNOWLEDGE OF THE BRACONIDAE OF SPAIN. I. NEW DISCOVERIES OF GENERA AND SPECIES. (SP

1 Docavo Alberti

Entomophago 7(4):343-348

1962 421 EN835

Braconidae, Insect taxonomy, French summary.

1878-69

NEW LARVAE OF TROMBICULIDAE (ACARIDAE), PARASITES ON THE MAMMALS OF RUMANIA. (FR)

Z. Feider Zool Anz 180(5/6 MAY-JUN):409-423

1968 410 Z7

Insect taxonomy, Larvae, Leptotrombidium, Trombiculidae

ON THE SUBGENUS OPACIFRONS DUDA OF THE GENUS LEPTOCERA OLIVIER (DIPTERA, SPHAEROCERIDAE) WITH A DESCRIPTION OF A NEW SPECIES FROM NORTHERN FENNOSCANDIA.

W Hackman

Notaloe Entornol 48(1):40-44

1968 421 N84

Insect taxonomy, Leptocera, Sphaeroceridae.

THE APHID FAUNA OF SPITSBERGEN.

O Heikinheimo

Suomen Hyonteistieteellinen Aikokoaskir Ann Entomol Fenn 34(2):82-93 MAP REF

Jun 1968 421 SU7

Aphididae, Insect identification, Insect taxonomy, Zoogeography.

1881-69

NEW MYMARIDAE (HYMENOPTERA, CHAL-CIDOIDEA) FAUNA FOR FINLAND. (SW)

W Hellen

Notalae Entomol 48(1):34

1968 421 N84

Chalcidoidea, Insect taxonomy.

1882-69 PLATYGASTERID DISCOVERIES FROM FIN-LAND (HYMENOPTERA, POIDEA). (GE) PROCTOTRU-

W Hellen

Notalae Entomol 48(1):45-48

1968 421 N84

Hymenoptera, Insect taxonomy.

EUDEROMPHALUS CLAVICORNIS THOMS. (HYMENOPTERA, CHALCIDIDAE) FOUND IN FINLAND. (SW)

W Hellen

Notalae Entomol 47(2):64

1967 421 N84

Chalcididae, Zoogeography

NEW ANUROPHORINID GENUS FROM NORTHEAST BRAZIL (INS., COLLEMBOLA). (GE)

W Huther

Senckenb Biol 48(3):169-173

30 Jun 1967 410.9 SE5

Collembola, Insect taxonomy.

1885-69

RAINBOW'S END: THE QUEST FOR AN OP-TIMAL TAXONOMY.

L A S Johnson

Linneon Soc New South Wales Proc 93(416,PT 1):8-45 REF

19 Nov 1968 514 SY2

Methodology, Statistical analysis, Taxonomy.

HETEROPTERA CATCH FROM THE ISLAND OF CRETE. (GE)

M Josifov

Pol Akod Nouk Inst Zool Ann Zool 25(11):453-457

15 Mar 1968 410.9 W 26

Heteroptera, Insect collection, Insect taxonomy. Polish and Russian summary, description of 55 species

1887-69

SOME REMARKS CONCERNING SPHINX MOTHS CATCHES ON THE ISLAND OF SUMATRA. SUPPLEMENTARY INFORMATION CONCERNING THE KNOWLEDGE OF SPHINX MOTHS (II) (LEP. SPHINGIDAE), (GE)

K Kernbach West Germany Berlin

Deut Entomol Ges Mitt 26(4):65-70 REF 15 Oct 1967 420 D482

Insect collection, Insect taxonomy, Sphingidae, Zoogeography. Description of 8 species.

1888-69

STREPSIPTERA FROM THE MISSISSIPPI COAST.

K T Khalaf

Flo Entomol 52(1):53 Mar 1969 420 F662

Catalogs, Strepsiptera, Surveys.

1889-69

SPECIES NEW OF HORN MITES (ACARIFORMES, ARIBATEI) FROM THE CAU-CASUS AND TRANSCAUCASIA. (GE)

D A Krivolutsky

Zool Anz 178(3-4,MAR-APR):185-190

Apr 1967 410 Z7

Catalogs, Insect taxonomy, Oribatei.

NEW SPECIES OF THE SARCOPHAGA MEIGEN GENUS (FAM. SARCOPHAGIDAE, DIPTERA). (FR)

A Z Lehrer

Zool Anz 178(3-4,MAR-APR):210-219

Apr 1967 410 Z7

Catalogs, Insect geography, Insect taxonomy, Sarcophaga.

1891-69

THE FINNISH EMPIRA-SPECIES (HYMENOP-TERA, SYMPHYTA). (GE)

E Lindqvist

Notuloe Entomol 48(1):23-33

1968 421 N84

Insect taxonomy, Tenthredinidae.

Species of Empria found in Finland are cataloged and described, including four that are new to science

ON SOME SPECIES OF THE GENUS ARCTOSA KOCH AND TRICCA SIMON (ARANEAE-LYCOSIDAE), (IT)

G Lugetti P Tongiorgi Redio (SER 2)50.133-150 REF 1967 421 R241

Insect identification, Insect physiology, Insect taxonomy, Lycosidae, Spiders, Zoogeography. English summary

1893-69

THE NORTH AMERICAN AEGERIIDAE (LEPIDOPTERA); A REVISION BASED ON LATE-IN TAR LARVAE.

M R Mackay

Entomol Soc Can Mem (58):112P

1968 420 EN824

Aegeriidae, Insect biology, Insect taxonomy, Larvae, Lepidoptera, Plant hosts.

1894-69

AUSTRALIAN BLATTIDAE (BLATTODEA). VII. THE PLATYZOSTERIA GROUP; GENERAL REMARKS AND REVISION OF THE SUBGENERA PLATYZOSTERIA AND LEPTOZOSTERIA TEPPER. PLATYZOSTERIA BRUNNER

M J Mackerras

Austrolion J Zool 15(6):1207-1298 MAP REF Nov 1967 410 AU73

Catalogs, Insect geography, Insect taxonomy, Platyzosteria.

A SURVEY OF THE SCUTACARID (ACARI: TARSONEMINI) FAUNA OF AUSTRALIA.

S Mahunka

Australian J Zool 15(6):1299-1323

Nov 1967 410 AU73

Catalogs, Insect geography, Scutacaridae, Surveys.

NOTES ON CERAMBYCINAE (COL. CERAM-BYCIDAE). (POR)

R Martins

Soo Poulo Dep Zool Popeis Avulsos 21(5)43-53 REF

31 Aug 1967 410.9 SA63

Cerambycidae, Insect taxonomy. English summary. 12 species are discussed

A NEW GENUS OF SCELIONIDAE (HYMENOP-TERA) WITH AUSTRAL DISJUNCTIVE DIS-TRIBUTION.

L Masner New Zeolond J Sci 11(4):652-663

Dec 1968 514 N482

Catalogs, Insect geography, Insect taxonomy, Scelionidae.

1898-69

MACROSIPHUM ALPINUM N. SP. (HOMOP-TERA: APHIDIDAE). (GE)

Schweiz Entomol Ges Mitt 40(1/2):118-124 20 Jul 1967 420 SW 6

Aphididae, Insect biology, Insect morphology, Insect taxonomy, Plant hosts. English summary.

GLOSSINA PALPALIS GAMBIENSIS VAN-DERPLANK 1949 (DIPTERA IN THE NIAYES AND PETITE COTE AREAS (SENEGAL). (FR) P C Morel S M Toure

Rev Elevoge Med Vet Poys Trop 20(4):571-578 MAP

1967 41.8 R3262

Chemical control (insects), Diptera, Glossina palpalis, Humidity, Insect biology, Insect ecology, Palmae, Surveys, Zoogeography. English and Spanish summaries.

TICKS FROM TURKEY (ACARI, IXODIDAE). (GER)

H. Nemenz

Zool Anz 178(3-4,MAR-APR):191-195

Apr 1967 410 Z7

Catalogs, Insect geography, Insect taxonomy, Ix-

CONCERNING KNOWLEDGE OF THE ORDER PERIOMMATUS CHAPUIS (COLEOPTERA, PLATYPODIDAE). III. (GE) M Nunberg

Pol Akod Nouk Inst Zool Ann Zool 25(6):373-380 10 Jan 1968 410.9 W26

Insect identification, Insect taxonomy, Plant hosts, Platypodidae. Polish and Russian summaries. description of 11 species.

1902-69

NEW SPECIES OF HETEROCERINI (COLEOPTERA: HETEROCERIDAE). F Pacheco

Flo Entomol 52(1):37-39

Mar 1969 420 F662

Heteroceridae, Insect taxonomy.

1903-69

BIONOMICS AND TAXONOMY OF MELOE (COLEOPTERA, MELOIDAE), WITH A CLASSIFICATION OF THE NEW WORLD SPECIES.

J D Pinto

Diss Abstr Sect B 29(7):2480B

Jan 1969 Z5055.U49D53

Insect anatomy, Insect identification, Insect taxonomy, Meloe, Meloidae, Sex behavior.

The new species identified are meloe bitoricollis, m.campanicollis, m.dianella, m.exiguus, m.nebulosus, m.vandykei, the species recognized in the new world are divided among three subgenera, meloe, treiodous, eurymeloe.

ON SOME STENINAE FROM THE HELSINKI ZOOLOGICAL MUSEUM (COLEOPTERA, STAPHYLINIDAE). (43. CONTRIBUTION TO THE KNOWLEDGE OF THE STENINAE). (GE) V Puthz

Notuloe Entomol 47(2):47-53 REF

1967 421 N84

Catalogs, Insect taxonomy, Staphylinidae, Zoogeography.

A REVIEW OF THE PRAYING MANTISES OF GHANA, (DICTYOPTERA MANTODEA).

D R Ragge R Roy

Inst Fondomentol Afr Noire Bull Ser A Sci Notur (SER A)19(2):586-644 MAP REF

Apr 1967 515 D14

Insect identification, Insect taxonomy, Mantis religiosa, Zoogeography. French summary. 73 species are discusses.

1906-69

WING MICRO-SCULPTURING IN TERMITE GENERA ODONTOTERMES, HYPOTERMES AND MICROTERMES (TERMITIDAE: MACROTERMITINAE) AND ITS TAXONOMIC VALUE.

Zool Anz 178(3-4,MAR-APR):236-262

M. L. Roonwall O. B. Chhotani Apr 1967 410 Z7

Insect morphology, Insect taxonomy, Termitidae, Wings (insects).

ICONOGRAPHY OF THE EGGS OF THE LEPIDOPTERA FAUNA OF BELGIUM. (FR.)

L G Sarlet

Lombillioneo 67(1/2):7-9

25 Feb 1968 420 N15

Insect eggs, Insect taxonomy, Lepidoptera. Continuation and to be continued

1908-69

SOME INTERESTING NOCTUIDAE FINDS FROM THE TESSIN. (GE)

W Sauter G Sobrio Schweiz Entomol Ges Mitt 40(1/2):130-132

20 Jul 1967 420 SW 6 Insect taxonomy, Light traps, Noctuidae, Zanclognatha tenuialis, Zoogeography

1909-69

THE BARK BEETLES OF GREECE AND CYPRUS. (249. CONTRIBUTION TO THE MORPHOLOGY AND TAXONOMY OF THE SCOLYTOIDEA). (GE) K E Sched1

Notulae Entomol 47(2):65-76 REF 1967 421 N84

Insect morphology, Insect taxonomy, Scolytidac.

A NEW SPECIES OF ELASMOLOMUS (HETEROPTERA: LYGAEIDAE) FROM AUS-TRALIA.

G G E Scudder A C Eyles

New Zealand J Sci 11(4):618-622

Dec 1968 514 N482

Insect morphology, Insect taxonomy, Lygaeidae.

AQUATIC INSECT FAUNA OF BROWNSEA ISLAND AND THE ISLE OF PURBECK, DOR-SET.

M W Service

Soc Brit Entomol Trans 18(2):19-33 MAP

Mar 1968 420 SO15

Aquatic insects, Catalogs, Insect collection.

ON THE DISTRIBUTION OF COLEOPTERA IN THE TVARMINNE ARCHIPELAGO.

H Silfverberg

Notulae Entomol 48(1):1-21 MAP REF

1968 421 N84

Coleoptera, Zoogeography.

1913-69

AN OLD FIND OF ENTOMOTROGUS MEGATOMOIDES RTT. (COLEOPTERA, MEGATOMOIDES RTT. (COLEOPTERA, DERMESTIDAE) FROM FINLAND. (SW)

H Silfverberg

Notulae Entomol 47(2):53

1967 421 N84

Dermestidae, Insect taxonomy.

1914-69

REVISION OF AFRICAN REDUVIDAE. II. HARPACTORINAE. GENUS NAGUSTA STAL. (FR)

A Villiers

Inst Fondamental Afr Noire Bull Ser A Sci Natur (SER A)19(2):657-694

Apr 1967 515 D14

Insect identification, Insect taxonomy, Reduviidae, Zoogeography.

1915-69

MEGACOELUM FIEBER, 1858 (HEM. HET. MIRIDAE). (GE)

E Wagner

Deut Entomol Ges Mitt 26(4):61-65

15 Oct 1967 420 D482

Insect taxonomy, Miridae.

1916-69

TWO NEW ORTHOPS-SPECIES FROM NORTH AFRICA (HETEROPTERA, MIRIDAE). (GE)

E Wagner

Notulae Entomol 47(2):57-60

1967 421 N84

Insect taxonomy, Miridae.

PHYSIOLOGY AND BIOCHEMISTRY

1917-69

TEMPORAL DISTRIBUTION OF TRIBOLIUM CASTANEUM HERBST AND CADRA CAUTEL-LA WALL GRADIENTS. WALKER ON TEMPERATURE

T G Amos F L Waterhouse N A Chetham

Experientia 24(1):86-87

15 Jan 1968 475 EX7

Cadra cautella, Demography, Insect behavior, Insect population statistics, Temperature, Tribolium castaneum.

THE MORPHOLOGICAL BASIS OF EMBRYONIC MOVEMENTS IN THE LIGHT BROWN APPLE MOTH, EPIPHYAS POSTVIT-TANA (WALK.) (LEPIDOPTERA: TORTRICIDAE). D T Anderson E C Wood

Australian J Zool 16(5):763-793 REF

Nov 1968 410 AU73

Embryology, Epiphyas postvittana, morphology, Metamorphosis.

CELLULAR AND EXTRACELLULAR ACTIVITIES IMPLEMENTING SELECTIVE ASSIMILATION OF YOLK PROTEINS BY CECROPIA OO-

L M Anderson

Diss Abstr Sect B 29(7):2675B

Jan 1969 Z5055.U49D53

Autoradiography, Electron microscopy, Histidine, Hyalophora cecropia, Insect eggs, Oogenesis, Proteins, Serum, Yolk sac.

STANDARDIZED PROCEDURES ADOPTED FOR COOPERATIVE OHIO VALLEY STATES ALFALFA WEEVIL RESEARCH.

E J Armbrust H D Niemczyk B C Pass M C W ilson

J Econ Entomol 62(1):250-251

17 Feb 1969 421 J822

Hypera postica, Insect pests, Plant protection, Research.

1921-69

FIRST REPORTS ON THE ULTRASTRUCTURE OF THE ALIMENTARY CANAL OF A PSEU-DOSCORPION. (IT)

B Baccetti G Lazzeroni

Redia (SER 2)50:351-363 REF

1967 421 R241

Chelonethida, Electron microscopy, Gastrointestinal system, Insect physiology. English summary

1922-69

STRUCTURE AND FUNCTION OF THE RECTAL PADS IN HYMENOPTERA.

J Bahadur K K Reddy

Zool Anz 178(3-4, MAR-APR): 262-268 REF

Apr 1967 410 Z7

Hymenoptera, Insect histology, Insect morphology, Insect physiology, Rectum.

1923-69

INFLUENCE OF CHANGES IN THE COTTON PLANT DURING THE SEASON ON THE FEEDING, OVIPOSITION, AND DEVELOPMENT OF THE BOLL WEEVIL.

J C Bailey F G Maxwell J N Jenkins J Econ Entomol 62(1):239-242

17 Feb 1969 421 J822

Anthonomus grandis, Antibiosis, Cotton, Crop varieties, Diet, Feeding, Insect behavior, Insect morphology, Oviposition, Plant pest resistance, Stimulants.

TRAPPING FOR CONTROL OF THE MEXICAN FRUIT FLY IN MANGO AND CITRUS GROVES.

J W Balock F Lopez

J Econ Entomol 62(1):53-56

17 Feb 1969 421 J822

Anastrepha ludens, Attractants, Baits, Borax, Hydrolysates, Insect control, Insect traps, Mangoes, Oranges, Tephritidae.

1925-69

EFFECTS OF MALATHION ON THE HISTOPHYSIOLOGY OF MALPIGHIAN TUBULES OF PERIPLANETA AMERICANA (LINN.), DIC-TYOPTERA.

N Banerjee D N Raychaudhuri

Zool Anz 178(1-2 JAN-FEB):74-81 REF

Feb 1967 410 Z7

Insect histology, Insect physiology, Insecticides, Malathion, Malpighian tubes, Periplaneta americana.

1926-69

ADAPTATIONS TO TEMPERATURE IN GEO-GRAPHIC RACES OF THE QUEENSLAND FRUIT FLY DACUS (STRUMETA) TYRONI.

M A Bateman

Australian J Zool 15(67:1141-1161 MAP REF

Nov 1967 410 AU73

Dacus tryoni, Fertility, Insect adaptation, Insect ecology, Temperature.

1927-69

INFLUENCE OF MOISTURE CONTENT OF BOVINE FECES ON OVIPOSITION AND DEVELOPMENT OF THE FACE FLY.

D E Bay C W Pitts G Ward

J Econ Entomol 62(1):41-44 17 Feb 1969 421 J822

Cattle, Diet, Feces, Food moisture, Insect behavior, Musca autumnalis, Oviposition,

Reproduction.

1928-69

DESCRIPTION AND DISTRIBUTION OF THE NEUROSECRETORY CELLS IN BRAIN AND VENTRAL GANGLIA OF LETHOCERUS INDICUM LEP. ET SERV. (HETEROPTERABELOSTOMATIDAE).

S Bhargava

Zool Anz 179(3-4,SEP-OCT):272-285

Oct 1968 410 Z7

Insect histology, Insect neurophysiology, Lethocerus, Nervous system, Neurosecretion.

STUDIES ON THE MORPHOLOGY OF LETHOCERUS INDICUM LEP. AND SERV. (HEMIPTERA--HETEROPTERA--CRYP-TOCERATA-BELOSTOMATIDAE). PART THE MORPHOLOGY OF THE STOMODEAL NERVOUS SYSTEM WITH SPECIAL NERVOUS SYSTEM WITH SPECIAL REFERENCE TO THE HISTOLOGY OF THE CORPORA CARDIACA AND ALLATA.

S Bhargava Zool Anz 178(3-4, MAR-APR):269-275 REF

Apr 1967 410 Z7

Corpora allata, Corpora cardiaca, Insect histology, Insect morphology, Lethocerus, Nervous system.

THE ANATOMY AND PHYSIOLOGY OF THE MORABINE GRASSHOPPERS. III. MUSCLES, NERVES, TRACHEAE, AND GENITALIA.

R E Blackith R M Blackith

Australian J Zool 15(5):961-998 Oct 1967 410 AU73

Acrididae, Insect morphology, Insect physiology, Muscles, Nervous system, Reproductive organs.

COMPARATIVE CHROMATOGRAPHIC IN-VESTIGATIONS OF ARTHROPOD COCOONS. (GE)

R Blaich W Rupprecht

Naturwissenschaften 55(6):300-301

Jun 1968 474 N213

Biochemistry, Chromatography, Lasiocampidae, Noctuidae, Pupal cases, Saturniidae.

Pupal cases of four families, Lasiocampidae, Saturniidac, Zygacnidac and Noctuidae, of Lepidoptera were compared by amino acid chromotography

PRE-BLOOM OIL SPRAYS FOR EUROPEAN RED MITE CONTROL.

M. L. Bobb

J Econ Entomol 62(1):94-95 17 Feb 1969 421 J822

Chemical control (insects), Insect eggs, Insecticide application, Insecticides, Oils, Panonychus ulmi, Petrolcum, Spraying.

THE FUNCTION OF THE ACCESSORY SEX GLANDS IN PERIPLANETA AMERICANA (L.), I. A QUANTITATIVE BIOASSAY FOR THE JU-VENILE HORMONE.

D Bodenstein E Shaaya Nat Acad Sci Proc 59(4):1223-1230 REF

Apr 1968 500 N21P

Biological assay, Insect physiology, Juvenile hormone, Periplaneta americana, Reproductive organs.

REPORT OF THIRD WORK CONFERENCE ON THE USE OF NUCLEARPOLYHEDROSIS VIRUS FOR CONTROL OF HELIOTHIS SPE-CIES.

H R Bullock

Entomol Soc Amer Bull 14(4):284

Dec 1968 423.9 EN8

Biological assay, Biological control (insects), Conferences, Heliothis, Insect diseases, Nuclear polyhedrosis virus, Reports, Virus diseases (insects).

1935-69

BAYGON IN FIELD TESTS AGAINST GERMAN COCKROACHES.

G S Burden B J Smittle

J Econ Entomol 62(1):262-263

17 Feb 1969 421 J822

Blattella germanica, Buildings, Chemical control (insects), Insecticide residues, Insecticides, Isopropoxyphenyl methylcarbamate, o-, Spraying.

1936-69

BEHAVIORAL AND PHYSIOLOGICAL ASPECTS OF MATING AND OVIPOSITION BY THE ADULT WESTERN CORN ROOTWORM, DIABROTICA VIRGIFERA LECONTE.

M D Cates

Diss Abstr Sect B 29(7):2478B-2479B

Jan 1969 Z5055.U49D53

Corn, Diabrotica virgifera, Experimental insects, Insect collecting equipment, Insect physiology, Insect rearing, Ovulation, Sex attractants, Temperature.

1937-69

THE DISTRIBUTION OF RADIOACTIVE STRONTIUM, CESIUM AND IODINE IN THE BODIES OF SOME INSECTS. (IT)

R Cavalloro U Cirio

Redio (SER 2)50:187-196 REF

1967 421 R241

Biochemistry, Cesium isotopes, Coleoptera, Fat body, Hymenoptera, Insect physiology, Intestines, lodine isotopes, Lepidoptera, Orthoptera, Radioisotopes, Strontium isotopes. English summary.

1938-69

HINTS ON THE PERMANENT REARING OF DACUS OLEAE GMELIN (DIPTERA, TYR-PETIDAE)IN THE LABORATORY.(IT)

R Cavalloro

Redio (SER 2)50:337-344

1967 421 R241

Antisepsis, Dacus oleae, Humidity, Insect cages, Insect nutrition, Insect rearing, Photoperiodism, Temperature. English summary, publication no. 357 of the EURATOM biology division

1939-69

A NOTE ON THE OUTBREAK OF THE BOMBAY LOCUST, PATANGA SUCCINCTAL, CYRTACANTHACRINAE, ACRIDIDAE, IN THE LACCADIVE ISLANDS DURING 1967.

H Chandra M V Venkatesh

Plont Protect Bull 19(3):32-35

1967 421 P69

Acrididae, Crops, Insect outbreaks, Insect pests, Patanga, Plant injuries.

1940-69

SEPARATION OF THE FREE NINHYDRIN-POSITIVE FRACTIONS IN PHORMIA AND DROSOPHILA USING TWO-DIMENSIONAL HIGH VOLTAGE ELECTROPHORESIS. (GE)

P S Chen E Kubli F Hanimann

Rev Suisse Zool 75(3):509-523 REF

Sep 1968 410 R324

Chromatography, Drosophila melanogaster, Electrophoresis, Ninhydrin reaction, Peptides, Phormia regina, Tables (data). English and French summaries.

1941-69

ENERGY METABOLISM IN INSECTS. (JA)

H Chino

Zool Soc Jop Zool Mog 77(1):1-11 REF Jan 1968 410.9 T57

Insect physiology, Insects, Metabolism.

1942-69

THE RESIDUAL CONTACT TOXICITY TO HONEY BEES OF INSECTICIDES SPRAYED ON TO WHITE CLOVER (TRIFOLIUM REPENS L.) IN THE LABORATORY.

P G Clinch

New Zeol J Agr Res 10(2):289-300 REF

May 1967 23 N4892

Apis mellifera, Chlorinated hydrocarbons, Insecticide residues, Insecticides, Organophosphorus insecticides, Toxicity, White clover.

1943-69

STUDIES ON THE ATTACK BEHAVIOR OF THE SOUTHERN PINE BETTLE. II. RESPONSE TO ATTRACTIVE HOST MATERIAL,

J E Coster R 1 Gara

Boyce Thompson Inst Contrib 24(4, JUL-SEP):69-75 REF

1968 451 B69

Attractants, Dendroctonus frontalis, Density, Forest insects, Insect behavior, Insect dissemination, Insect pests, Olfactometers, Scolytidae.

1944-6

A BIBLIOGRAPHY OF THE ALFALFA WEEVIL, HYPERA POSTICA (GYLLENHAL) SUPPLEMENT 1.

W R Cothran

Entomol Soc Amer Bull 14(4):285-288 REF Dec 1968 423.9 EN8

Bibliography, Hypera postica, Insect biology, Insect control, Zoogeography.

1945-69

ATTRACTION OF FEMALE BOLL WEEVILS TO TRAPS BAITED WITH MALES OR EXTRACTS OF MALES.

W H Cross D D Hardee F Nichols H C Mitchell E B Mitchell P M Huddleston J H Tumlinson J Econ Entomol 62(1):154-161 REF

17 Feb 1969 421 1822

Anthonomus grandis, Attractants, Baits, Extracts, Insect collecting equipment, Insect traps, Phermones.

1946-69

THE ACCLIMATIZATION OF ZONABRIS VARIABILIS PALL. (COLEOPTERA, MELOIDAE) IN SARDINIA, 20 YEARS AFTER ITS INTRODUCTION. (IT)

A Crovetti

Redio (SER 2)50:121-133 MAP REF 1967 421 R241

Biological control (insects), Insect acclimatization, Meloidae, Orthoptera, Predaceous insects. English summary.

1947-69

SEXUAL STERILIZATION OF SCREW-WORM FLIES: RELIABILITY OF THE CHEMOSTERILANT TECHNIQUE.

M M Crystal
J Econ Entomol 62(1):136-139 REF

17 Feb 1969 421 J822

Biological control (insects), Chemical control (insects), Chemosterilants, Cochliomyia hominivorax, Experimental insects.

1948-69

THE ANAL GLANDS OF GRYLLOTALPA GRYLLOTALPA L. ULTRASTRUCTURE AND HISTOCHEMISTRY. (IT)

R Dallai G Melis

Redio (SER 2)50:197-207 REF

1967 421 R241

Anal gland, Gryllotalpa gryllotalpa, Histochemistry, Insect physiology, Mucoids, Secretion, Ultrastructure. English summary.

1949-69

VARIATIONS OF NUCLEIC ACID CONTENT IN THE SALIVARY GLANDS OF DROSOPHILA HYDEI DURING LATE LARVAL DEVELOP-MENT. G A Danieli E Rodino

Experientio 24(1):89-90 REF

15 Jan 1968 475 EX7

Biochemistry, Development, Drosophila hydei, Larvae, Nucleic acids, Salivary glands (insects).

1950-69

PERFORMANCE OF LABORATORY-REARED AND ARTIFICALLY INSEMINATED HONEY BEE QUEENS.

A Dietz

J Econ Entomol 62(1):251-253

17 Feb 1969 421 J822

Apis mellifera, Artificial insemination, Experimental insects, Feeding, Insect rearing, Social insects.

1951-69

STUDIES ON THE STRUCTURE OF THE HEAD, MOUTH-PARTS AND THEIR MUSCULATURE IN HIPPOBOSCA MACULATA LEACH (DIPTERA: PUPIPARA).

G S Dogra

Zool An: 178(3-4,MAR-APR):224-236

Apr 1967 410 Z7

Head, Hippoboscidae, Insect morphology, Muscles.

1952-69

BIOLOGY AND COLONIZATION OF THE WINTER TICK IN THE LABORATORY.

R O Drummond T M Whetstone S E Ernst W J Gladney

J Econ Entomol 62(1):235-238 REF

17 Feb 1969 421 J822

Dermacentor albipictus, Experimental insects, Insect behavior, Insect biology, Social insects, Temperature.

1953-69

THE CONTROL OF SOME SPECIES OF PEST INSECTS BY BACILLUS THURINGIENSIS. (RUM)

l Duvlea Z Beratlief S Predescu V Corpade C Sirbu

Buchorest Inst Agron Timesooro Lucori Stiint 6:191-196

1963 106.4 T48

Aporia crataegi, Bacillus thuringiensis, Biological control (insects), Chemical control (insects), Coleoptera, Hyphantria cunea, Insect pests, Insecticide resistant insects, Lema melanopa, Lepidoptera, Leptinotarsa, Spraying, Tables (data). Russian and English summary.

954-69

LIGHT-DARK ADAPTATION IN ACONE APPOSITION EYES OF INSECTS. (GE

M Eckert

Zool Johrbucher Abt Allg Zool Physiol Tiere 74(1):102-120 REF 1968 410 Z751Z

Eyes, Insect histology, Insect physiology, Light.

1955-69

A DEMONSTRATION THROUGH SYMBIOTIC MICROORGANISMS OF THE EFFECT OF STEROL SYNTHESIS IN ARTIFICIALLY FED APHIDS (HOMOPTERA, RHYNCHOTA, INSECTA). (GE)

P Ehrhardt

Experientio 24(1):82-83 REF

15 Jan 1968 475 EX7

Aphididae, Biochemistry, Insect metabolism, Insect nutrition, Sterols, Synthesis. English abstract

1056-60

SELECTION METHODS FOR PATHOGENIC FORMS OF MICROORGANISMS. (FR

A A Evlakhova O I Chvetzova

Entomophago Mem Hors Ser (2):521-529 REF 1964 421 EN835M

Bacillus cereus, Bacteria, Beauveria bassiana, Biological control (insects), Cobalt isotopes, Galleria mellonella, Gamma rays, Insect diseases, Insecticides, Methodology, Microorganisms, X-rays. English summary.

A REMARKABLE TICK FOUND ON A TARSI-ER (HETEROCOPTIDAE F. N.:SARCOPTIFORMES). (FR)

A Fain

Zool Anz 178(1-2 JAN-FEB):90-94

Feb 1967 410 Z7

Acarina, Insect taxonomy, Mammals, Sarcop-

RONDONEMA THAPARI N. SP. FROM THE MILLIPEDE (SPIROSTREPTUS SP.).

M N Farooqui

Zool Anz 178(3-4 MAR-APR):297-300

Apr 1967 410 Z7

Catalogs, Morphology, Nematodes, Parasitic nematodes, Spirostreptidae, Taxonomy.

ON A KNOWN AND SOME NEW SPECIES OF INSECT NEMATODES.

M N Farooqui

Zool Anz 178(3-4, MAR-APR): 276-296 REF

Apr 1967 410 Z7

Catalogs, Host relationships, Insects, Morphology, Nematodes, Taxonomy.

1960-69

CONTROL TESTS AGAINST DACUS OLEAE GMEL. IN THE COASTAL REGION OF TUSCANY DURING 1965. (IT)

G A Fenili R Zocchi

Redio (SER 2)50:69-74

1967 421 R241

Chemical control (insects), Dacus oleae, Dimethoate, Dosage, Insecticides, Menazon, Mcthoxychlor, Phosphates, Tables (data). English

1961-69

OBSERVATIONS ON THE HISTO-MORPHOLO-GY OF THE LABIAL GLANDS IN NEODIPRION SERTIFER GEOFFROY (HYMENOPTERA DIPRIONIDAE). (IT)

G A Fcnili

Redio (SER 2)50:209-217 REF

1967 421 R241

Deoxyribonuclcic acid, Diprionidae, Histochemistry, Insect histology, Insect morphology, Insect physiology, Neodiprion sertifer, Ribonucleic acid, Salivary glands (insects). English summary.

1962-69

A FIELD TEST COMPARING RESISTANT VARIETIES PLUS APPLICATIONS OF POLYHEDRAL VIRUS WITH INSECTICIDES FOR CONTROL OF HELIOTHIS SPP. AND OTHER PESTS OF COTTON, 1967.

A T Fernandcz H M Graham M J Lukefahr H R

J Econ Entomol 62(1):173-177

17 Feb 1969 421 J822

Cotton, Crop varieties, Ethyl parathion, Heliothis virescens, Heliothis zea, Insect pests, Integrated control (insects), Methyl parathion, Plant pest resistance, Polyhedroses, Virus diseases (insects).

1963-69

ACTION OF NICOTINE ON NEURAL TRANSMISSION IN THE AMERICAN COCKROACH (PERIPLANETA AMERICANA (L.)).

R F Flattum

Diss Abstr Sect B 29(7):2558B Jan 1969 Z5055.U49D53

Degradation, Ganglion cells, Insect anatomy, Ncrvous system, Nicotine, Periplaneta americana, Pharmacology.

1964-69

DIFFERENTIAL SENSITIVITY OF THE LARVAE OF LYMANTRIA DISPAR L. TO ACHROMATIC STIMULI OF VARIED DISTINCTIVE-NESS. (IT)

G Flores d'Arcais W Capuzzo Poduo Accod Potovino Sci Lett Arti Atti Mem 77,PT 2 1964/65:405-426 REF 1965 507 P132

Insect physiology, Larvae, Light, Porthetria dispar.

1965-69

A COMPARISON AND EVALUATION OF RESIDUAL, ORAL AND TOPICAL TREATMENTS OF TEPA, TRIS (1-AZIRIDINYL) PHOSPHINE OXIDE, USED TO STERILIZE GERMAN COCKROACHES BLATTELLA GERMANICA (LINNAEUS).

A M Frishman

Diss Abstr Sect B 29(3):1051B

Sep 1968 Z5055.U49D53

Biological control (insects), Blattella germanica, Chemical control (insects), Chemosterilants, Dosage, Insccticide residues, Tcpa.

1966-69

STUDIES ON THE ATTACK BEHAVIOR OF THE SOUTHERN PINE BETTLE. III. SEQUENCE OF TREE INFESTATION WITHIN STANDS.

R I Gara J E Coster

Boyce Thompson Inst Contrib 24(4, JUL-SEP):77-85 REF

1968 451 B69

Bark, Dendroctonus frontalis, Density, Forest insects, Insect behavior, Insect dissemination, Insect outhreaks

ON THE MECHANISM INVOLVED IN PERCEP-TION OF LIGHT STIMULI DURING THE PHOTOPERIODIC REACTION IN LEPIDOP-TERA CATERPILLARS. (TT 61-23975).

K F Geispits

13P REF

1968 TRANSL. 17047

Acronycta rumicis, Caterpillars, Dendrolimus pini, Insect behavior, Leucoma salicis, Light, Photoperiodism, Pieris brassicae, Sense organs, Vi-Translated from Zool. Zh. (36):548-560,1957.

ALIPHATIC AMINES AGAINST INSECTICIDE-SUSCEPTIBLE AND RESISTANT STRAINS OF CULEX PIPIENS QUINQUEFASCIATUS AND ANOPHELES ALBIMANUS.

G P Georghiou J R Calman M S Mulla J Econ Entomol 62(1):171-173 REF 17 Feb 1969 421 J822

Amines, Anopheles albimanus, Chemical control (insects), Culex pipiens quinquefasciatus, Insecticide resistant insects, Larvae, Susceptibility, Tolerances, Toxins.

THE COMPARATIVE ECOLOGY OF TWO CLOSELY RELATED, SYMPATRIC SPECIES OF DACUS (DIPTERA) IN QUEENSLAND. G W Gibbs

Austrolion J Zool 15(6):1123-1139 MAP REF Nov 1967 410 AU73

Competition, Dacus neohumeralis, Dacus tryoni, Demography, Insect ecology.

1970-69

BIOLOGICAL NOTES ON SPILONOTA OCEL-LANA DENIS AND SCHIFFERMULLER BIOLOGICAL NOTES ON SPILONOTA OCEL-LANA DENIS AND SCHIFFERMULLER (LEPIDOPTERA TORTRICIDAE) IN THE FOOTHILL REGION OF FRIULI AND PRELIMINARY INDICATIONS ON THE FAC-TORS ADVERSE TO ITS DEVELOPMENT. (IT) V Girolami

Redio

1967 421 R241

Apples, Biological control (insects), behavior, Insect biology, Insect eggs, Insect pests, Larvac, Parasitism, Spilonota ocellana, Tor-tricidae, Trichogrammatidae, Zoogeography. English summary.

1971-69

THE FINE STRUCTURE OF THE CUTICLE. A CONTRIBUTION TO THE QUESTION OF THE PROTECTION AGAINST ITS OWN POISON OF THE MADEIRA ROACH. (GE)

A Gluud

Zool Johrbucher Abt Anot Ontog Tiere 85(2):191-227 REF

1968 410 Z751

Aldehydes, Chitin, Cuticle, Insect histology, Insect physiology, Insect protective devices, Leucophaea maderae, Pentatomidae, Permeability, Poison glands.

1972-69

ON THE FINE STRUCTURE OF INSECT CUTI-CLE. A CONTRIBUTION TO THE QUESTION OF THE CHARACTERISTIC PROTECTION AGAINST TOXINS OF THE HEMIPTERA CUTI-CLE. (GE.)

A Gluud

Zool Johrbucher Abt Allg Zool Physiol Tiere 85(2):191-227 REF

1968 410 Z751Z

Cuticle, Hemiptera, Insect biochemistry, Insect physiology, Insect protective devices, Permeability,

1973-69

THE FEEDING OF THE MOLE CRICKET AND ITS EFFECT ON OUTBRECKS AND CONTROL. (GE)

D Godan

Deut Entomol Ges Mitt 26(4):55-59

15 Oct 1967 420 D482

Attractants, Caterpillars, Chemical control (insects), Gryllotalpa gryllotalpa, Hibernation, Insect behavior, Insect eggs, Insect nutrition, Insect pests,

POPULATION ASSESSMENT OF COTTON BOLLWORM IN RELATION TO PEST CONTROL PRACTICES.

D Gonzalez R van den Bosch G M Orphanides L H Dawson

Colif Agr 21(5):12-14

May 1967 100 C12CAG

Cotton, Heliothis zea, Insect control, Insect pests, Larvae, Population, Statistical analysis.

1975-69

PRINCIPLES OF CROWDING EFFECT IN APHIS GOSSYPII GLOVER (APHIDIDAE, HOMOPTERA).

J Graham

Diss Abstr Sect B 29(3):1051B-1052B Sep 1968 Z5055.U49D53

Aphis gossypii, Biological control (insects), Cotton, Growth factors, Homoptera, Insect behavior, Insect physiology, Population, Sex behavior, Stimulants, Temperature.

1976-69

DEVELOPMENT AND PERSPECTIVES OF BIOLOGICAL CONTROL. (FR)

P Grison

Entomophogo 7(4):325-335 REF

1962 421 EN835

Biological control (insects), Economics, Insect pests, Integrated control (insects), Public health. English summary.

1977-69

DEVELOPMENTAL PERFORMANCE OF EMB-RYONIC BLASTEMAS OF DROSOPHILA AFTER CULTURE IN THE ADULT HOST. (GE) E Hadorn R Hurlimann G Mindek G Schubiger M Staub

Rev Suisse Zool 75(3):557-569

Sep 1968 410 R324

Abdomen, Drosophila melanogaster, Embryos, Insect cultures, Insect physiology, Larvae. English and French summary.

1978-69

BIOLOGICAL FACTORS BIOLOGICAL FACTORS INFLUENCING RESPONSES OF THE FEMALE BOLL WEEVIL TO THE MALE SEX PHEROMONE IN FIELD AND LARGE-CAGE TESTS.

D D Hardee W H Cross E B Mitchell P M Huddleston H C Mitchell M E Merkl T B Davich J Econ Entomol 62(1):161-165 REF

17 Feb 1969 421 J822 Anthonomus grandis, Attractants, Baits, Biological control (insects), Insect cages, Insect collecting equipment, Insect traps, Pheromones.

ENTOMOLOGY

1979-69

1979-69

THE EFFECT OF NUCLEASES AND NUCLEIC ACID SYNTHESIS INHIBITORS ON SIGMA VIRUS MULTIPLICATION IN DROSOPHILA MELANOGASTER.

R S Herforth

Diss Abstr Sect B 29(7):2301B

Jan 1969 Z5055.U49D53

Actinomyein d, Carbon dioxide, Drosophila melanogaster, Insect diseases, Insect genetics, Mitomycins, Nucleases, Nucleic acids.

DISPERSAL AND LOCAL DISTRIBUTION OF LABORATORY-REARED STERILE SCREWWORM FLIES RELEASED IN WINTER.

B G Hightower A L Adams

J Econ Entomol 62(1):259-261 MAP

17 Feb 1969 421 J822

Cochliomyia hominivorax, Cold, Experimental insects, Insect dissemination, Insect flight, Insect rearing, Sterility, Temperature, Zoogeography.

1981-69

ON THE SPIRACLES OF THE LARVAE OF THE SUBORDER MYXOPHAGA (COLEOP-TERA).

H E Hinton

Australion J Zool 15(5):955-959

Oct 1967 410 AU73

Coleoptera, Insect morphology, Larvae, Spiracles.

1982-69

THE STRUCTURE OF THE SPIRACLES OF THE CATTLE TICK, **BOOPHILUS** MICROPLUS.

H E Hinton

Austrolion J Zool 15(5):941-945

Oct 1967 410 AU73

Boophilus microplus, Electron microscopy, Insect histology, Insect morphology, Spiracles.

1983-69

STRUCTURE AND ECDYSIAL PROCESS OF THE LARVAL SPIRACLES OF SPECIAL SCARABAEOIDEA. WITH REFERENCE TO THOSE OF LEPIDODERMA.

H E Hinton

Austrolion J Zool 15(5):947-953

Oct 1967 410 AU73

Electron microscopy, Insect morphology, Metamorphosis, Molting (insects), Scarabaeidae, Spiracles

INVESTIGATION INTO A CONDITIONAL HOST MODIFICATION BY THE ICHNEU-MONID FLY PERITHOUS DIVINATOR (ROSSI) (HYM., ICHNEUM.). (GE)

K Horstmann

Zool An: 178(1-2 JAN-FEB):95-102

Feb 1967 410 Z7

Host relationships, Ichneumonidae. morphology, Parasitism, Statistical analysis.

1985-69

THE RELATIVE ABUNDANCE OF SPECIES IN A WILD POPULATION OF MACRO-LEPIDOP-

M M Hosny

TERA.

An Agr Sci 10(2):79-89 REF

Dec 1965 24 AN72

Insect behavior, Light traps, Macrolepidoptera, Population, Statistical analysis, Ultraviolet rays.

FIELD AND LABORATORY STUDIES OF AT-TRACTION OF THE SYNTHETIC SEX PHEROMONE TO MALE CABBAGE LOOPER MOTIIS.

A F Howland J W Debolt W W Wolf H H Toba T Gibson A N Kishaba

J Econ Entomol 62(1).117-122

17 Feb 1969 421 J822

Attractants, Baits, Insect collecting equipment, Light traps, Pheromones, Research, Sex, Trichoplusia ni

1987-69

SPECIFICITY OF INSECT VIRUSES.

C M Ignoffo

Entomol Soc Amer Bull 14(4):265-276 REF

Dec 1968 423.9 EN8

Animals, Disease transmission, Granuloses, Immunity, Insect diseases, Insect vectors, Plant disease resistance, Polyhedroses, Symptomatology, Tables (data), Virus diseases (insects).

AGGREGATION OF GERMAN COCKROACH (BLATTELLA GERMANICA) NYMPHS.

S Ishii Y Kuwahara

Experientio 24(1):88-89

15 Jan 1968 475 EX7

Attractants, Biochemistry, Blattella germanica, Demography, Insect population statistics, Larvae.

CHANGES IN GLYCOGEN-, LIPID-, AND NITROGEN METABOLISM OF THE IMAGO OF PYRRHOCORIS APTERUS L. IN CONNEC-TION WITH THE REPRODUCTION PROCESS.

V Janda

Zool Johrbucher Abt Allg Zool Physiol Tiere 74(1):88-101 REF

1968 410 Z751Z

Glycogen, Insect metabolism, Insect reproduction, Lipids, Nitrogen, Pyrrhocoris apterus.

ON THE ETHOMETRY OF SIGN STIMULI; THE THEORY OF THE TELOTACTIC CHO-ICE, AND THE POWER PRINCIPLE OF THE TERMINAL CUMULATION IN ARTHROPODS. R Jander

Z Vergleichende Physiol 59(3):319-356 REF 1968 444.8 Z3

Arthropoda, Insect behavior, Insect ecology, Mathematical analysis, Stimuli, Tenebrio molitor, Vision. English summary.

1991-69

BIOLOGY OF THE FACE FLY: MIGRATION OF LARVAE.

C M Jones

J Econ Entomol 62(1):255-256

17 Feb 1969 421 J822

Insect behavior, Insect biology, Insect dissemination, Insect migration, Larvae, Musca autumnalis.

STUDIES ON THE METAMORPHOSIS OF THE ALIMENTARY CANAL OF HYALOPHORA CECROPIA (L.).

K J Judy

Diss Abstr Sect B 29(7):2297B

Jan 1969 Z5055.U49D53

Gastrointestinal system, Hormones, Hyalophora cecropia, Insect histology, Insect morphology, Larvae, Metamorphosis.

1993-69

EFFECT OF RADIOFREQUENCY ELECTRIC FIELD TREATMENT ON PROTEIN METABOL-ISM IN YELLOW MEALWORM LARVAE.

A M Kadoum

J Econ Entomol 62(1):220-223

17 Feb 1969 421 J822

Amino acids, Biochemistry, Insect physiology, Larvae, Metabolism, Pest control, Proteins, Radioactivity, Tenebrio molitor.

1994.69

CASTANEUM (HERRY OF TRIBOLIUM CASTANEUM (HERBST) (COLEOPTERA, TENEBRIONIDAE).

R P D Kapoor H S Chaudhry

Zool An: 179(3-4,SEP-OCT):247-255 REF

Oct 1967 410 Z7

Insect morphology, Life cycle, Metamorphosis, Tribolium castaneum.

1995-69

THE POSSIBILITY OF THE OCCURRENCE OF WARM- AND COLD SEASON RELICTS ON THE ZITZMANNSDORF MEADOW AT THE NEUSIEDLER LAKE. (GE)

F Kasy

Arbeitsgemeinsch Osterr Entomol Z 19(1):24-27 Aug 1967 421 W633

Insect migration, Lepidoptera, Temperature, Zoogeography.

1996-69

FLIGHT AND GROUND COLLECTION RECORDS OF COSTELYTRA ZEALANDICA (WHITE) AT A SITE IN CANTERBURY, NEW ZEALAND.

J M Kelsey

New Zeolond J Sci 11(4):664-685

Dec 1968 514 N482

Costelytra zealandiea, Insect collection, Insect populations, Statistical analysis, Surveys, Temperature. Weather.

Collections were taken of the grass grub beetle, Costelytra zealandica, through November and December for six years with electric filament lamps. The data is analyzed from both ground and flight collections and correlated with temperature and wind conditions.

OVIPOSITION PREFERENCE BY COSTE-LYTRA ZEALANDICA (WHITE). II.

J M Kelsey

New Zeol J Agr Res 11(1):206-210

Feb 1968 23 N4892

Costelytra zealandica, Insect behavior, Oviposition. Pastures.

DEVELOPMENTAL CHANGES IN THE LATE LARVA OF CALLIPHORA STYGIA. I. HAEMOLYMPH.

J F Kinnear M D Martin J A Thompson G J Neufeld

Australion J Biol Sci 21(5):1033-1045 REF Oct 1968 442.8 AU72

Biochemistry, Calliphora stygia, Carbohydrates, Electrophoresis, Haemolymph, Insect morphology. Larvae, Lipids, Proteins.

1999-69

SUPPLEMENTARY INFORMATION ON KORE-AN PSYLLIDAE. (HOMOPTERA PSYLLODEA). (GE)

S Klimaszewski

Polsko Akod Nouk Bull Ser Sci Biol 16(5):285-

1968 512 W262

Insect anatomy, Insect identification, Psyllidae. Zoogeography.

2000-69

ENVIRONMENTAL FACTORS REGULATING THE DIURNAL VERTICAL MIGRATION OF CHAOBORUS LARVAE.

F I LaRow

Diss Abstr Sect B 29(7):2681B

Jan 1969 Z5055.U49D53

Chaoborus punctipennis, Diurnal rhythm, Environment, Insect migration, Larvae, Light, Temperature, Variance analysis.

THE ROLE OF MOISTURE IN THE WINTER SURVIVAL OF THE BOLL WEEVIL COMPLEX

IN ARIZONA.

J E Leggett R E Fye J Econ Entomol 62(1):147-149

17 Feb 1969 421 J822

Anthonomus grandis, Equipment, Hibernation, Humidity, Insect physiology, Longevity, Oviposition, Soil temperature.

2002-69

MASS REARING TECHNIQUE OF RICE GALL MIDGE (PACHYDIPLOSIS ORYZAE WOOD-MASON) AND NOTES ON ITS BIOLOGY. P Leuamsang A Bhandhufalck T Wongsiri

Int Rice Comm News Lett 17(1):34-42

Mar 1968 59.9 IN83N

Cecidomyiidae, Humidity, Insect biology, Insect pests, Insect physiology, Insect rearing, Pachydiplosis oryzae, Plant pest control, Rice, Tables (data).

2003-69

TRANSMISSION OF A MOSQUITO IRIDESCENT VIRUS IN AEDES TAENIOR-HYNCHUS. I. LABORATORY EXPERIMENTS.

J R Linley H T Nielsen

J Invertebrate Pathol 12(1):7-16

Oct 1968 421 J826

Aedes taeniorhynchus, Culicidae, Disease transmission, Experimental insects, Insect rearing, Iridescent virus, Larvae, Tables (data), Virus diseases (insects).

2004-69

TRANSMISSION OF A MOSQUITO IRIDESCENT VIRUS IN AEDES TAENIOR-HYNCHUS. II. EXPERIMENTS RELATED TO TRANSMISSION IN NATURE.

JR Linley H T Nielsen

J Invertebrate Pathol 12(1):17-24

Oct 1968 421 J826

Aedes taeniorhynchus, Culicidae, Disease transmission, Experimental insects, Insect rearing, Iridescent virus, Larvae, Tables (data), Virus diseases (insects).

2005-69

FLASHES OF PHOTURIS FIREFLIES: THEIR VALUE AND USE IN RECOGNIZING SPECIES.

J E Lloyd

Fla Entomol 52(1):29-35

Mar 1969 420 F662

Attractants, Insect behavior, Insect identification, Insect mating, Luminescence, Photuris, Time.

2006-69

THE PRESENCE WAXES IN TWO KINDS OF LAC CELLS.

S Mahdihassan

Zool Anz 180(5/6 MAY-JUN):442-454

1968 410 Z7

Cells, Insect anatomy, Insect morphology, Insect physiology, Kerria, Lac, Waxes.

2007-69

THE EMBRYONIC DEVELOPMENT OF THE BRAIN IN PAUROMETABOLIC INSECTS. A STUDY ON CARAUSIUS MOROSUS AND PERIPLANETA AMERICANA. (GE)

P Malzacher

Z Morphol Okolog Tiere 62(2):103-161 REF 22 Jul 1968 442.8 Z33

Brain, Carausius morosus, Embryogenesis, Insect anatomy, Insect morphology, Periplaneta americana. English summary.

2008-69

STUDIES ON THE PHYSIOLOGY OF THE FAT BODY OF PYRRHOCORIS APTERUS L.

J S Martin

Diss Abstr Sect B 29(3):1155B-1156B Sep 1968 Z5055.U49D53

Chromatography, Fat body, Glycerides, Growth factors, In vitro, Insect physiology, Lipids, Oogenesis, Pyrrhocoris apterus, Tissue culture.

2009-69

ON THE FOOD UTILIZATION AND DIGESTION OF MAJOR FOOD NUTRIENTS IN THE LEPIDOATEROUS LARVAE FEEDING ON CAULIFLOWERS.

L M L Mathur

Zool Anz 178(1-2 JAN-FEB):82-89 REF

Feb 1967 410 Z7

Cauliflower, Food habits, Insect digestion, Insect metabolism, Larvae, Prodenia litura, Statistical analysis, Trichoplusia ni.

2010-69

MORPHOLOGY OF THE HEAD CAPSULE AND ITS APPENDAGES OF STENTHORUS GIL-VIFRONS MULSANT (COLEOPTERA: COCCINELLIDAE).

L M L Mathur

Zool Anz 179(3-4,SEP-OCT):264-271 REF

Oct 1967 410 Z7

Coccinellidae, Head, Insect morphology, Mouth

2011-69

LINKAGE STUDIES OF ALDRIN RESISTANCE IN BLATTELLA GERMANICA (L.).

1 C C McDonald

Diss Abstr Sect B 29(3):1053B

Sep 1968 Z5055.U49D53

Aldrin, Blattella germanica, Blattidae, DDT, Insect morphology, Insect mutation, Insecticides.

2012-69

LABORATORY EVALUATION OF SEVERAL NEW INSECTICIDES FOR CONTROL OF THE PALE WESTERN CUTWORM.

S McDonald

J Econ Entomol 62(1):30-35 REF

17 Feb 1969 421 J822

Agrotis orthogonia, Chemical control (insects), Dosage, Endrin, Experimental insects, Insecticides, Tables (data). 56 insecticides were evaluated.

2013-69

ISOLATION OF A SEX PHEROMONE OF THE CODLING MOTH.

L M McDonough D A George B A Butt M Jacobson G R Johnson

J Econ Entomol 62(1):62-65

17 Feb 1969 421 J822

Biochemistry, Biological assay, Carpocapsa pomonella, Chromatography, Extracts, Insect pests, Pheromones, Sex.

2014-69

ARTIFICIAL SEX PHEROMONES FOR THE CODLING MOTH.

L M McDonough D A George B A Butt J Econ Entomol 62(1):243-244

17 Feb 1969 421 J822

Attractants, Biological assay, Biological control (insects), Carpocapsa pomonella, Chemicals, Epoxides, Insect pests, Pheromones.

2015-69

THE EFFECT OF CLIMATIC INTEGRANTS ON POPULATION FLUCTUATIONS OF THE COLUMBIAN TIMBER BEETLE CORTHYLUS COLUMBIANUS HOPKINS (COLEOPTERA; SCOLYTIDAE).

M L McManus

Diss Abstr Sect B 29(7):2479B

Jan 1969 Z5055.U49D53

Acer rubrum, Acer saccharinum, Climate, Corthylus columbianus, Growth factors, Insect dissemination, Insect populations, Rainfall, Scolytidae, Temperature.

2016-69

HISTOCHEMISTRY AND ULTRASTRUCTURE OF THE FEMININE GENITAL DUCTS OF GRYLLOTALPA GRYLLOTALPA L. (IT)

G Melis R Dallai

Redia (SER 2)50:163-186 REF

1967 421 R241

Glycidol, Gryllotalpa gryllotalpa, Histochemistry, Insect physiology, Orthoptera, Reproductive organs, Secretion, Spermatheca, Ultrastructure. English summary.

2017-69

THE COLOR CHANGE OF POECILIMON ORNATUS SCHMIDT IN THE POST-EMBRYONIC DEVELOPMENT. (ORTHOPTERA-TETTIGONIIDAE). (GE

S Miksic

Arbeitsgemeinsch Osterr Entomol Z 19(1):28-32 Aug 1967 421 W633

Color, Insect identification, Insect migration, Insect physiology, Larvae, Orthoptera, Tettigoniidae, Zoogeography.

2018-69

LABORATORY AND FIELD EVALUATION OF LARVICIDES AGAINST CHIRONOMID MIDGES.

M S Mulla A M Khasawinah

J Econ Entomol 62(1):37-41 REF

17 Feb 1969 421 J822

Chemical control (insects), Chironomidae, Experimental insects, Insecticides, Larvae, Larvicides.

2019-69

LABORATORY REARING OF APHIDS.

L R Nault

J Econ Entomol 62(1):261-262

17 Feb 1969 421 J822

Aphididae, Equipment, Experimental insects, Insect cages, Insect rearing, Insect vectors, Photoperiodism, Temperature, Virus diseases (plants).

2020-69

EFFECTS OF SIMULATED RAIN AND DEW ON THE TOXICITY OF CERTAIN ULTRA-LOW-VOLUME INSECTICIDAL SPRAY FORMULATIONS.

S J Nemec P L Adrisson

J Econ Entomol 62(1):71-73 REF

17 Feb 1969 421 J822

Anthonomus grandis, Chemical control (insects), Dew, Food moisture, Heliothis zea, Insecticide residues, Insecticides, Rainfall, Spraying, Toxicolo-

2021-69

THE DEVELOPMENT OF THE THORAX MUSCLES OF PERIPLANETA AFTER CUTTING OF INDIVIDUAL NERVES. PRELIMINARY REPORT. (GE)

H Nuesch T Teutsch

Rev Suisse Zool 75(3):643-650

Sep 1968 410 R324

Growth factors, Inhibitors, Insect physiology, Muscles, Nerves, Periplaneta. English and French summaries.

2022-69

SAMPLING TO DETECT ECONOMIC INFESTATIONS OF LIMONIUS SPP.

J A Onsager

J Econ Entomol 62(1):183-189 REF

17 Feb 1969 421 J822

Chemical control (insects), Economics, Insect pests, Insecticides, Limoniidae, Population, Sampling (statistics), Zoogeography.

2023-69

A COMPARATIVE STUDY OF COMMUNICATION IN GRASSHOPPERS.

D Otte

Diss Abstr Sect B 29(3):1217B-1218B

Sep 1968 Z5055.U49D53

Communications, Grasshoppers, Insect behavior, Insect physiology, Research, Sex behavior, Vision.

2024-69

2024-09 RECORDS OF PREDATORS AND PARASITES NATURALLY PREVALENT IN THE GUJARAT STATE.

H K Patel V C Patel J R Patel

Plant Protect Bull 19(3):36-38

1967 421 P69

Balance of nature, Biological control (insects), Insect pests, Parasitic insects, Predaceous insects, Research, Tables (data). Table includes scientific name of predator or parasite, order/family, and host, stage and period of parasitisation.

2025-69

CERTAIN MINOR CROP PESTS HITHERTO UNRECORDED FROM THE GUJARAT STATE.

H K Patel V C Patel J R Patel Plant Protect Bull 19(3):26-31

Plant Protect h

Crops, Insect pests, Plant injuries, Tables (data). Tables including pest scientific name, order/family, nature of damage, and host plants are given.

2026-69

HISTOPATHOLOGY OF THE DEVELOPING REPRODUCTIVE SYSTEM OF AEDES STIMU-LANS (WALKER) (DIPTERA: CULICIDAE) UNDER THERMAL STRESS.

ENTOMOLOGY

2027-69

Diss Abstr Sect B 29(7):2479B-2480B Jan 1969 Z5055.U49D53

Aedes stimulans, Culicidae, Environment, Genes, Genotypes, Histopathology, Insect morphology, Insect physiology, Reproductive organs, Tempera-

A LABORATORY EVALUATION OF BAITS AND CHEMOSTERILANTS ON THE LITTLE HOUSE FLY.

R D Pausch

J Econ Entomol 62(1):25-28

17 Feb 1969 421 J822

Attractants, Baits, Biological control (insects), Chemical control (insects), Chemosterilants, Experimental insects, Fannia canicularis, Insect pests.

2028-69

GEOGRAPHICAL VARIATION IN PAPRIDES ACRIDIDAE), (ORTHOPTERA:

A J Peterson

New Zeoland J Sci 11(4):693-705 MAP REF Dec 1968 514 N482

Acrididae, Insect evolution, Insect geography, Insect morphology, Reproductive organs.

Variation in the morphology of the reproductive organs of Paprides nitidus is attributed to the distribution of the insect caused by the Pleistocene glaciation in New Zealand.

2029-69

HEAT-EXTRACTION TECHNIQUE FOR RECOVERY OF POTATO TUBERWORM LAR-VAE FROM POTATO TUBERS.

G R Platner P D Greany E R Oatman

J Econ Entomol 62(1):271-272 17 Feb 1969 421 J822

Campoplex haywardi, Extracts, Heat, Insect biology, Insect rearing, Larvae, Parasitism, Phthorimaea operculelia, Potato-tuber.

2030-69

ON THE HORMONAL CONTROL OF OVARI-AN DEVELOPMENT IN THE FEMALE LARVA OF THE HETEROGONID GALL GNAT HETEROPEZA PYGMAEA WINNERTZ 1846 (DIPTERA, CECIDOMYIIDAE). (GE)

K Pohlhammer

Zool Johrbucher Abt Allg Zool Physiol Tiere 74(1):1-30 REF

1968 410 Z751Z

Development, Heteropeza pygmaea, Insect histology, Insect hormones, Insect physiology, Ovaries.

EFFECT OF DROPLET SIZE ON PERSISTENCE OF ULV MALATHION AND COMPARISON OF TOXICITY OF ULV AND EC MALATHION TO TOBACCO BUDWORM LARVAE.

S G Polles S B Vinson

J Econ Entomol 62(1):89-94

17 Feb 1969 421 J822

Chemical control (insects), Cotton, Heliothis virescens, Insect pests, Insecticides, Larvae, Malathion, Particle size determination, Toxicology.

MORPHOLOGICAL AND HISTOCHEMICAL STUDY OF THE SCENT GLAND IN THE POND-SKATER, GERRIS SPINOLAE LETH. ET SEU. (GERRIDAE-INSECTA).

PS Ramamurty Y Krishnanandam

Zool Anz 178(3-4,MAR-APR):198-210 REF Apr 1967 410 Z7

Gerridae, Histochemistry, Insect morphology, Microscopy, Scent glands.

2033-69

ISOLATION OF THE POPULATION GREGATING PHEROMONE OF AG-THE SOUTHERN PINE BETTLE.

J A A Renwick J P Vite

Boyce Thompson Inst Contrib 24(4,JUL-SEP):65-

1968 451 B69

Attractants, Biological assay, Chromatography, Dendroctonus brevicomis, Dendroctonus frontalis, Dendroctonus pseudotsugae, Pheromones, Population, Spectrometry, Temperature.

STRUCTURES OF UNKNOWN, POSSIBLY STRIDULATORY, FUNCTION OF THE WINGS AND BODY OF NEUROPTERA; WITH AN AP-PENDIX ON OTHER ENDOPTERYGOTE OR-DERS.

F. F. Rick

Austrolion J Zool 15(2):337-348

Mar 1967 410 AU73

Insect morphology, Neuroptera, Stridulation, Wings (insects).

2035-69

COMPETITIVE MATING TESTS BETWEEN NORMAL AND ASPERMIC MALE HOUSE

J G Riemann

J Econ Entomol 62(1):276-277

17 Feb 1969 421 J822

Aedes aegypti, Breeding, Insect behavior, Insect mating, Musca Research, Sterility. Musca domestica, Reproduction,

A MORPHOLOGICAL AND FUNCTIONAL STUDY OF THE VENOM APPARATUS IN REPRESENTATIVES OF SOME MAJOR GROUPS OF HYMENOPTERA.

P L Robertson

Austrolion J Zool 16(1):133-166 REF

Feb 1968 410 AU73

Evolution, Hymenoptera, Insect morphology, Reproductive organs, Venoms.

POPULATION DYNAMICS OF THE COMMON HORSEFLIES AND DEERFLIES (TABANIDAE: DIPTERA) BREEDING ON A NEW JERSEY SALT MARSH.

E G Rockel

Diss Abstr Sect B 29(7):2480B-2481B

Jan 1969 Z5055.U49D53

Chrysops atlanticus, Chrysops fuliginosus, Diptera, Emergence, Humidity, Insect collecting equipment, Insect populations, Larvae, Larvicides, Lindane, Marshes, Ovulation, Population, Spartina alterniflora, Tabanidae, Tabanus lineola, Tabanus nigrovittatus, Temperature.

ORGANOGENESIS OF THE FEMALE REPRODUCTIVE SYSTEM OF AN AEDINE MOSQUITO.

M C R Ronquillo

Diss Abstr Sect B 29(7):2481B

Jan 1969 Z5055.U49D53

Aedes stimulans, Culicidae, Insect eggs, Insect morphology, Insect physiology, Larvae, Reproduction, Reproductive organs.

2039-69

BIOTIC FACTORS INVOLVED IN CRUCIFER APHID OUTBREAKS FOLLOWING INSECTI-CIDE APPLICATION.

R B Root J J Skelsey

J Econ Entomol 62(1):223-233 REF

17 Feb 1969 421 J822

Aphididae, Carbaryl, Cryolite, Insect outbreaks, Insect pests, Insecticide application, Insecticides, Plant injuries.

2040-69

INVESTIGATION INTO THE APPEARANCE OF THE THREE CASTES IN THE BUMBLEBEE COLONY. (GE)

P-f Roseler

Zool Johrbucher Abt Allg Zool Physiol Tiere 74(2):178-197 REF

1968 410 27512

Bombus, Insect behavior, Insect evolution, Insect morphology, Social insects.

2041-69

AN ANNOTATED LIST OF HYMENOPTEROUS PARASITES OF CITRUS SOFT SCALES IN ISRAEL.

D Rosen

Entomophaga 7(4):349-357

1962 421 EN835

Biological control (insects), Ceroplastes floridensis, Ceroplastes rusci, Citrus, Coccus hesperidum, Hymenoptera, Insect pests, Parasitic insects. French summary.

COMPARATIVE BEE SOCIOLOGY I. ORIGIN OF COMMUNAL AND CASTE SYSTEMS. (JA) S F Sakagami

Zool Soc Jap Zool Mog 77(2):35-43

Feb 1968 410.9 T57

Apiculture, Bees, Insect behavior, Social insects.

ON THE MORPHOLOGY AND THE BIONOMIES OF THE INSECTS OF ECONOMIC IM-PORTANCE, II. HEAD APPENDAGES IN AL-PHITOBIUS DIAPERINUS (PANZ.) (TENEBRIONIDAE, COLEOPTERA).

K Sarin V B Tembe S C Saxena

Zool Anz 180(5/6 MAY-JUN):423-435 REF 1968 410 Z7

Alphitobius diaperinus, Antennae, Economics, Insect anatomy, Insect morphology, Tenebrionidae.

2044-69

ALPHITOBIUS HEAD SULE OF ALPHITOBIUS (PANZ.) (TENEBRIONIDAE-CAPSULE DIAPERINUS COLEOPTERA).

K Sarin V B Tembe S C Saxena

Zool Anz 179(3-4,SEP-OCT):256-264 REF Oct 1967 410 Z7

Alphitobius diaperinus, Head, Insect morphology.

ON THE SOIL FAUNA OF MEADOW AND ALFALFA STOCKED FIELDS OF DIFFERENT LOCATIONS WITH SPECIAL CONSIDERATION OF THE ORIBATIDS. (GE)

V Schalk

Pedobiologia 8(4):424-506 REF

1968 56.8 P343

Alfalfa, Catalogs, Collembola, Insect ecology, Soil insects, Surveys.

DEMONSTRATION OF THE SYNTHESIS OF A YOLK PROTEIN UNDER THE INFLUENCE OF THE CORPORA ALLATA IN LEUCOPHAEA MADERAE, (GE

R Scheurer M Luscher

Rev Suisse Zool 75(3):715-722 REF

Sep 1968 410 R324

Acrylamide, Corpora allata, Electron microscopy, Electrophoresis, Gels, Hemolymph, Hormones, Leucophaea maderae, Protein synthesis, Yolk sac. Englisch and French summaries.

2047-69

PHOTOPERIODIC INDUCTION OF VERNAL PHENOTYPE IN PIERIS PROTODICE BOISDU-VAL AND LE CONTE (LEPIDOPTERA: PIERIDAE).

A M Shapiro

Wosmonn J Biol 26(1,SPRING):137-149 REF 1968 442.8 W28

Insect morphology, Photoperiodism, Pieris, Polymorphism, Temperature.

2048-69

FLUCTUATIONS IN THE POPULATION OF SCHIZOLACHNUS PINIRADIATAE (DAVID-SON) (APHIDIDAE-HOMOPTERA) IN THE EASTERN PROVINCES DURING 1967. (FR)

M L Sharma R Laviolette

Entomol Soc Quebec Ann 13(2):89-97 MAP REF May 1968 420 EN822

Aphididae, Biological control (insects), Fungi, Parasitism, Pinus resinosa, Population, Predaceous insects, Schizolachnus piniradiatae. English sum-

THE FREE AMINO ACID PATTERN IN TISSUES OF SILKWORM DURING DEVELOPMENT. (RUS)

L I Shegoleva Yu B Filippovich Biokhimiyo 32(4):766-773 REF

Bombyx mori, Insect morphology, Insect physiology, Larvae, Tissues. English summary.

1967 385 B523

INHIBITION OF GROWTH OF BACILLUS THURINGIENSIS BY AMINO ACIDS IN DEFINED MEDIA.

S Singer M H Rogoff

J Invertebrote Pothol 12(1):98-104 REF

Oct 1968 421 J826

Amino acids, Ammonia, Bacillus thuringicnsis, Bacterial diseases (insects), Biochemistry, Growth factors, Inhibitors, Nitrogen, Nutrition.

MORPHOLOGY OF THE HEAD CAPSULE OF AELIA ROSTRATA BOH. (HEMIPTERA: PEN-TATOMIDAE).

N Sisli

Ankoro Univ Foc Sci Commun (SER C)12:31-42 REF

1967 330.9 AN4

Aclia rostrata, Head, Insect anatomy, Insect morphology, Insect pests, Insect physiology, Pentatomidae, Wheat. Turkish summary.

2052-69

EVOLUTIONARY MORPHOLOGY OF INSECT GENITALIA AS EXEMPLIFIED BY THE SAWFLY EUURA (HYMENOPTERA: TENTHREDINIDAE).

E L Smith

Diss Abstr Sect B 29(7):2481B

Jan 1969 Z5055.U49D53

Euura, Insect anatomy, Insect morphology, Reproductive organs, Tenthredinidae.

2053-69

EFFECTS OF APHOLATE ON THE ALFALFA WEEVIL.

R K Sprenkel W G Yendol

J Econ Entomol 62(1):122-125 REF

17 Fcb 1969 421 J822

Apholatc, Chemical control (insects), Chemosterilants, Dosage, Hypera postica, Insect eggs, Mortality, Sterility.

CHAMBERS FOR INCUBATING INDIVIDUAL INSECT EGGS AND EGG PARASITES.

E A Stadelbacher

J Econ Entomol 62(1):253-254

17 Feb 1969 421 J822

Biological control (insects), Equipment, Heliothis zea, Incubators, Insect eggs, Insecticide resistant insects, Parasitic insects, Trichogramma.

FATTY ACIDS IN HYALOPHORA CECROPIA: BIOSYNTHESIS AND CONSTITUTION DURING DEVELOPMENT.

W F Stephen

Diss Abstr Sect B 29(7):2332B-2333B

Jan 1969 Z5055.U49D53

Biochemistry, Biosynthesis, Chromatography, Fatty acids, Hormones, Hyalophora cecropia, In-sect morphology, Lipids, Quantitative analysis, Tis-Chromatography, sue culture.

HOURLY AND SEASONAL COLLECTIONS OF SIX HARMFUL INSECTS IN TRAPS EQUIPPED WITH BLACKLIGHT LAMPS.

P A Stewart J J Lam

J Econ Entomol 62(1):100-102

17 Feb 1969 421 J822

Insect collecting equipment, Insect pests, Insect traps, Light traps, Temperature, Weather. The in-sects captured were: Pseudaletia unipuncta, Prodenia ornithogalli, Agrotis ipsilon, Harrisina americana, Diacrisia virginica, and Ostrinia nubilalis

2057-69

INFLUENCE OF DISTANCE ON ATTRACTION OF TOBACCO HORNWORM AND CORN EAR-WORM MOTHS TO RADIATIONS OF A BLACKLIGHT LAMP.

P A Stewart J J Lam J L Blythe J Econ Entornol 62(1):58-60

17 Fcb 1969 421 J822

Attractants, Equipment, Experimental insects, Heliothis zea, Infrared rays, Insect behavior, Light traps, Manduca sexta, Radiation.

MEASURING NEWLY HATCHED PHYTOPHAGOUS LARVAE IN THE FIELD OR GREENHOUSE.

P A Stewart J J Lam

J Econ Entomol 62(1):259

17 Fcb 1969 421 J822

Feeding, Greenhouse culture, Heliothis virescens, Insect pests, Insect physiology, Larvae, Manduca sexta, Phytophagous insects, Plant pest resistance,

2059-69

PERFORMANCE OF THE ENGLISH GRAIN APHID ON STERILIZED AND UNSTERILIZED ARTIFICIAL DIET.

G R Sutter R W Kieckhefer

J Econ Entomol 62(1):254-255

17 Feb 1969 421 J822

Diet, Experimental insects, Insect nutrition, Insect rearing, Macrosiphum avenae, Myzus persicae, Reproduction, Sterilization.

2060-69

NEURAL ADAPTATIONS IN THE VISUAL PATHWAY OF CERTAIN HELICONIINE BUTTERFLIES, AND RELATED FORMS, TO VARIATIONS IN WING COLORATION.

S L Swihart

Zoologica (new York) 52(1,SPRING):1-14 REF 1967 410 Z722

Electrophysiology, Insect morphology, Insect physiology, Lepidoptera, Nerves, Pigments, Polymorphism, Vision, Wings (insects).

STUDIES ON THE MORPHOLOGY AND RELA-TIONSHIPS OF MALE APIOMORPHA AND OPISTHOSCELIS (HEMIPTERA: COC-COIDEA).

J G Theron

Australian J Zool 16(1):87-99 REF

Feb 1968 410 AU73

Apiomorpha, Insect morphology, Opisthoscelis, Reproductive organs.

2062-69

SOME OBSERVATIONS ON CHEMORECEP-TION IN THE ANTENNAE OF THE CEN-TIPEDE, SCOLOPENDRA SUBSPINIPES LEACH (MANDIBULATA-CHILOPODA).

PB Van Weel DR Stokes ET Takafuji Zool Johrbucher Abt Allg Zool Physiol Tiere 74(1):31-53 REF

1968 410 27512.

Amino acids, Antennac, Carbohydrates, Chemoreceptors, Glycerol, Insect neurophysiology, Scolopendromorphidae.

AN ARTIFICIAL DIET FOR LARVAE AND ADULTS OF CHRYSOPA CARNEA, AN INSECT PREDATOR OF CROP PESTS.

E.S. Vanderzant

J Econ Entomol 62(1):256-257

17 Feb 1969 421 J822

Chrysopa carnea, Crops, Diet, Feeding, Heliothis, Insect nutrition, Insect pests, Insect rearing, Larvae, Predaceous insects.

STUDIES ON THE ATTACK BEHAVIOR OF THE SOUTHERN PINE BETTLE. IV. IN-FLUENCE OF HOST CONDITION ON AG-GREGATION PATTERN. J P Vite R G Crozicr

Boyce Thompson Inst Contrib 24(4,JUL-SEP):87-

1968 451 B69

Attractants, Chromatography, Dendroctonus frontalis, Feeding, Insect behavior, Insect dissemination, Olfactometers, Pinus tacda, Plant hardiness,

2065-69

INSECT AND HOST FACTORS IN THE AGGREGATION OF THE SOUTHERN PINE BEE-TLE.

J P Vitc J A A Renwick

Boyce Thompson Inst Contrib 24(4,JUL-SEP):61-

1968 451 B69

Attractants, Dendroctonus frontalis, Inscct behavior, Insect dissemination. Insect outbreaks, Pheromones, Population, Social insects.

THE ECOLOGY OF SMINTHURUS VIRIDIS (COLLEMBOLA). II. DIAPAUSE IN THE AESTIVATING EGG.

M M H Wallace

Austrolion J Zool 16(5):871-883

Nov 1968 410 AU73

Collembola, Insect diapause, Insect eggs, Insect rearing, Metamorphosis.

2067-69

THE ECOLOGY OF SMINTHURUS VIRIDIS (L.)(COLLEMBOLA). I. PROCESSES IN-FLUENCING NUMBERS IN PASTURES IN WESTERN AUSTRALIA.

M M H Wallace

Australian J Zool 15(6):1173-1206 MAP REF Nov 1967 410 AU73

Bdellidae, Collembola, Dcmography, Insect ecology, Plants, Soil series, Weather.

Five factors affecting numbers of Sminthurus viridis in pastures are: 1) weather, 2) soil type, 3) plants growing there, 4) predation by Bdellodes lapidaria, and 5) the eating of dead springtails by newly hatched nymphs.

2068-69

INFLUENCE OF AGING ON THE RATE OF IN-CORPORATION OF TRITIATED THYMIDINE IN THE NURSE CELLS OF DROSOPHILA MELANOGASTER.

J M Wattiaux M Lamborot Currents Mod Biol 1(1):5-8 REF

Mar 1967 QH301.C8

Aging, Biochemistry, Cell nucleus, Deoxyribonucleic acid, Drosophila melanogaster, Insect physiology, Synthesis, Thymidine.

PHYSIOLOGICAL BASES FOR THE LURING AND CATCHING OF INSECTS. (GE R Wiesmann

Schweiz Entomol Ges Mitt 40(1/2):37-55 REF 20 Jul 1967 420 SW6

Attractants, Humidity, Insect behavior, Insect collecting equipment, Insect physiology, Insect traps, Methodology, Sense organs, Temperature.

SCORPION PRESERVATION FOR TA ONOMIC AND MORPHOLOGICAL STUDIES.

S C Williams

Wasmonn J Biol 26(1, SPRING):133-136 1968 442.8 W28

Acetic acid, Alcohols, Formaldchydc, Heat treatment, Methodology, Scorpionida.

THE USE OF IMAGINAL DISKS FOR THE DETERMINATION OF THE DEVELOPMENTAL STAGE OF LARVAE OF CHIRONOMUS (DIPT.). (GE)

W Wulker P Gotz

Z Morphol Okolog Tiere 62(4):363-388 REF 27 Aug 1968 442.8 Z33

Chironomidae, Chironomus thummi, Diptera, Gonads, Insect morphology, Larvae, Research, Time. English summary.

2072-69

BIOLOGY OF THE ROBBER FLY EUTOLMUS RUFIBARBIS MG, (DIPTERA, ASILIDAE) IN KHABAROVSK TERRITORY.

P A Yesipenko

Entomol Rev 46(1,JAN-MAR):61-62

Mar 1967 421 R322AE

Asilidae, Insect behavior, Insect ecology, Insect

2073-69

STUDIES ON THE EFFECT OF COMMERCIAL FORMULATIONS OF SOME OR-GANOPHOSPHOROUS INSECTICIDES ON THE COTTON LEAF WORM, PRODENIA LITURA F. UNDER FIELD CONDITIONS.

M M Zaki M El-Ghar S H Mitry An Agr Sci 10(1):35-45

Jun 1965 24 AN72

Chemical control (insects), Insecticides, Organophosphorus compounds, Prodenia litura. Arabic summary. dDT, endrin, lindane, dipterex, sevin, lebaycid were the specific insecticides evaluated.

GENETICS

2074-69

VIABILITY, PROPORTION BETWEEN THE SEXES AND OF THE X CHROMOSOMES OF DROSOPHILA MELANOGASTER. (POR)

M C Barros-Queiroz J M Campos-Rosado Port Acta Biol Ser A (SER A)9(3/4):367-372 1966 442.8 P83

Chromosomes, Dosage, Drosophila mclanogaster, Insect genetics, Sex ratios, Viability. English summary

2075-69

STUDIES ON THE GENETIC AND ENVIRON-MENT REGULATION OF XANTHINE DEHYDROGENASE AND ITS GENETICALLY RELATED ENZYMES IN DROSOPHILA MELANOGASTER.

J F Collins

Diss Abstr Sect B 29(7):2299B-2300B Jan 1969 Z5055.U49D53

Biochemistry, Chromatography, Chromosomes, Drosophila melanogaster, Enzymes, Insect cul-tures, Insect genetics, Xanthine dehydrogenase.

2076-69

SEX AND SELECTION FOR A QUANTITATIVE CHARACTER IN DROSOPHILA. I. SINGLE-SEX SELECTION.

R Frankham

Australian J Biol Sci 21(6):1215-1223 REF Dec 1968 442.8 AU72

Drosophila melanogaster, Insect breeding, Insect genetics, Sex.

SEX AND SELECTION FOR A QUANTITATIVE CHARACTER IN DROSOPHILA. II. THE SEX DIMORPHISM.

R Frankham

Australion J Biol Sci 21(6):1225-1237 REF Dec 1968 442.8 AU72

Drosophila, Insect breeding, Insect genetics, Polymorphism, Sex.

2078-69

ASPECTS OF RNA AND PROTEIN SYNTHESIS IN IMAGINAL DISCS OF DROSOPHILA MELANOGASTER.

JW L Fristrom L Brothers V Mancebo D Stewart

Z Vererbungslehre 102(1):1-14 REF 1968 442.8 Z34

Drosophila melanogaster, Insect genetics, Larvae, Proteins, Ribonucleic acid, Synthesis.

THE INFLUENCE OF THE GENOTYPE ON CELL AFFINITIES IN COMBINATIONS OF IMAGO ORGANISMS OF DROSOPHILA MELANOGASTER. (SP)

A Garcia-Bellido

Port Acta Biol Ser A (SER A)9(3/4):308-320 REF

1966 442.8 P83

Biochemistry, Cells, Drosophila melanogaster, Enzymes, Genotypes, Insect genetics, Microorganisms. English summary.

INHERITANCE AND BIOCHEMISTRY OF OP-RESISTANCE IN A NEW YORK STRAIN OF THE TWO-SPOTTED SPIDER MITE.

DHCHerneAWABrown J Econ Entomol 62(1):205-209 REF

17 Feb 1969 421 J822 Biochemistry, Breeding, Cholinesterases, Inheritance, Insect genetics, Insecticide resistant insects, Malaoxon, Malathion, Organophosphorus compounds, Parathion, Tetranychus urticae

GENETIC HETEROGENEITY AMONG THE FOUNDERS OF LABORATORY POPULATIONS OF DROSOPHILA MELANOGASTER. II. MAT-ING BEHAVIOUR.

S M W Hosgood P A Parsons

Australian J Biol Sci 20(6):1193-1203 REF Dec 1967 442.8 AU72

Drosophila melanogaster, Insect behavior, Insect genctics, Mating habits, Polymorphism.

5-AMINOACRIDINE INDUCED CROSSING OVER IN THE DROSOPHILA MALE.

Naturwissenschaften 55(2):85-86

Feb 1968 474 N213

Drosophila, Insect genetics, Lethal factor, Muta-

2083-69

GENETIC AND CYTOGENETIC RELATION-SHIPS AMONG CERTAIN ANOPHELINES. NEARCTIC

R D Kreutzer

Diss Abstr Sect B 29(1):2681B Jan 1969 Z5055.U49D53

Anopheles, Chromosomes, Cytogenetics, Insect genetics, Insect morphology.

RELATIVE FITNESS OF THIRD CHROMOSOME INVERSION IN DROSOPHILA MELANOGASTER.

R F Nassar

Australian J Biol Sci 21(6):1179-1186 REF Dec 1968 442.8 AU72

Chromosomes, Drosophila melanogaster, Insect genetics, Insect hardiness.

2085-69

GENETIC HETEROGENEITY AMONG THE FOUNDERS OF LABORATORY POPULATIONS OF DROSOPHILA MELANOGASTER. III. STERNOPLEURAL CHAETAE.

P A Parsons

Australian J Biol Sci 21(2):297-302

Apr 1968 442.8 AU72

Drosophila melanogaster, Insect genetics, Polymorphism.

THE TAXONOMY, CYTOLOGY AND GENETICS OF GENUS TIMARCHA (COL. CRIS). I. KARYOTYPE OF T. GOETTINGENSIS L. SSP. CATALAUNENSIS FAIRM.. (SP.)

E Petitpicrre

Genet Iber 20(1-2):13-21 REF

1968 443.8 G28

Chromosomes, Chrysomelidae, Cytogenetics, Insect genetics. English abstract

EFFECTIVENESS OF REGULAR CYCLES OF INTERMITTENT ARTIFICIAL SELECTION FOR A QUANTITATIVE CHARACTER IN DROSOPHILA MELANOGASTER.

K A Rathie J S F Barker

Australian J Biol Sci 21(6):1187-1213 REF

Dec 1968 442.8 AU72

Drosophila melanogaster, Insect breeding, Insect genetics, Insect rearing.

PERICENTRIC INVERSION POLYMORPHISM IN TRIMEROTROPIS HELFERI (ORTHOP-TERA: ACRIDIDAE) AND ITS EFFECT ON CHIASMA FREQUENCY.

G L Schroeter

Diss Abstr Sect B 29(7):2307B Jan 1969 Z5055.U49D53

Acrididae, Aerochoreutes, Chromosomes, Circotettix, Insect biology, Insect genetics, Polymorphism, Trimerotropis helferi.

2089-69

EMBRYONIC DEVELOPMENTAL MUTATIONS OF THE NULLOSOMIES AND TETRASOMIES OF THE THIRD CHROMOSOME OF DROSO-PHILA MELANOGASTER. (GE)

M E L Scriba

Develop Biol 19(2):160-177 REF

Feb 1969 442.8 D49

Chromosomes, Development, Drosophila melanogaster, Insect genetics, Insect histology. English abstract

TERATOLOGY OF THE BEETLE TENEBRIO MOLITOR. III. ULTRASTRUCTURAL ALTERATIONS IN THE FLIGHT MUSCULATURE OF THE PUPAL-WINGED ADULT.

E A Steinhaus R D Zeikus

J Invertebrate Pathol 12(1):40-52 REF

Oct 1968 421 J826

Abnormalitics, Coleoptera, Degeneration, Insect anatomy, Insect flight, Insect genetics, Muscles, Tenebrio molitor.

2091-69

AUTONOMOUS PLEIOTROPY IN DROSO-PHILA.

C Stern C Tokunaga

Nat Acad Sci Proc 60(4):1252-1259 REF Aug 1968 500 N21P

Chromosomes, Drosophila melanogaster, Eyes, Insect genetics, Insect mutation.

2092-69

INHERITANCE OF RESISTANCE TO OR-GANOPHOSPHORUS ACARICIDES IN THE CATTLE TICK, BOOPHILUS MICROPLUS.

B F Stone

Australian J Biol Sci 21(2):309-319 REF Apr 1968 442.8 AU72

Acaricides, Boophilus microplus, Insect genetics, Insecticide resistant insects, Organophosphorus compounds.

2093-69

BRAIN CHOLINESTERASE ACTIVITY AND ITS INHERITANCE IN CATTLE TICK (BOOPHILUS MICROPLUS) STRAINS RESISTANT AND SUSCEPTIBLE TO ORGANOPHOSPHORUS ACARICIDES.

B F Stone

Australian J Biol Sci 21(2):321-330 REF Apr 1968 442.8 AU72

Alleles, Boophilus microplus, Cholinesterases, Histochemistry, Insect biochemistry, Insect genetics, Insecticide resistant insects.

A GYNANDROMORPHIC GRASSHOPP PRODUCED BY DOUBLE FERTILIZATION. GRASSHOPPER

M. I.D. White

Australian J Zool 16(1):101-109 REF Feb 1968 410 AU73

Gynandromorphism, Insect genetics, Valanga irregularis.

CYTOGENETICS OF THE VIATICA GROUP OF MORABINE GRASSHOPPERS. COASTAL SPECIES.

M J D White R E Blackith R M Blackith J

Australian J Zool 15(2):263-302 MAP REF

Mar 1967 410 AU73

Acridoidea, Chromosomes, Cytogenetics, Insect genetics, Insect rearing.

KARYOTYPES AND NUCLEAR SIZE IN THE SPERMATOGENESIS OF GRASSHOPPERS BELONGING TO THE SUBFAMILIES GOMPHOMASTACINAE, CHININAE AND (ORTHOPTERA, BIROELLINAE MASTACIDAE).

M J D White

Caryo Logia 21(2,APR-JUN):167-179 REF 1968 442.8 C25

Cell nucleus, Chromosomes, Cytogenetics, Insect genetics, Orthoptera, Spermatogenesis.

2097-69

AUTOMATED SEXING OF PUPAE AND ITS USEFULLNESS IN CONTROL BY STERILE IN-SECTS.

M J Whitten

J Econ Entomol 62(1):272-273

17 Feb 1969 421 J822

Biological control (insects), Color, Insect genetics, Lucilia cuprina, Sex determination.

MEDICAL ENTOMOLOGY

GROSS VARIATIONS IN THE RESPONSE TO MAN AMONG YELLOW-FEVER MOSQUITO POPULATIONS IN THE LABORATORY.

A A Khan H I Maibach W G Strauss J Econ Entomol 62(1):96-98 17 Feb 1969 421 J822

Aedes aegypti, Breeding, Experimental insects, Human diseases, Insect dissemination, Insect vectors, Medical entomology, Population, Yellow fever.

CROP PROTECTION

1968 U.S. RICE PRODUCTION STATISTICS.

Rice J 71(13):26-27 Dec 1968 59.8 R36

Productivity, Rice, Statistics, Time.

A COMPARATIVE STUDY ON UREA SPRAYS UPON SOME DECIDUOUS FRUIT TREES.

A F Abdelal A L El-Tomi

An Agr Sci 10(1):333-349 REF

Jun 1965 24 AN72

Foliar application, Fruit, Nitrogen, Plant nutrition, Plant physiology, Spraying, Trees, Urea. Arabic

DEVELOPING ALFALFA RESISTANT TO ALFALFA WEEVIL OVIPOSITION.

T H Busbice W V Campbell J O Rawlings D K Barnes R H Ratcliffe C H Hanson

Crop Sci 8(6, NOV-DEC):762-767 REF

1968 64.8 C883

Alfalfa, Hypera postica, Larvae, Oviposition, Plant breeding, Plant genetics, Plant pest resistance, Plant physiology, Tables (data).

RESISTANCE TO BROWN STEM ROT IN SOYBEANS.

D W Chamberlain R L Bernard Crop Sci 8(6,NOV-DEC):728-729

1968 64.8 C883

Cephalosporium gregatum, Crop varieties, Plant breeding, Plant disease resistance, Plant diseases, Plant genetics, Soybeans.

REDUCTION IN MORTALITY OF PEACH TREES FOLLOWING PREPLANT SOIL FU-MIGATION.

W A Chandler

Plant Dis Rep 53(1):49-53 REF

Jan 1969 1.9 P69P

Carbon disulfide, Criconemoides, Dibromo-3-chloropropane, 1,2-, Fungicides, Fungus diseases (plants), Mortality, Nematocides, Parasitism, Peaches, Pratylenchus, Root rot, Soil fumigation, Trees, Xiphinema.

COMANDRA RUST DAMAGE TO PONDEROSA PINE IN OREGON AND WASHINGTON.

T W Childs

8P PORTLAND, OREGON, DEPARTMENT of AGRICULTURE

1968 ASB608 P6505

Canker, Cronartium comandrae, Pinus ponderosa, Rust, Tree diseases, Wood destroying fungi.

CONCLUSIONS AND RESOLUTIONS OF THE GENERAL ASSEMBLY OF THE INTERNATIONAL COMMISSION FOR THE BIOLOGI-CAL CONTROL OF PLANT PESTS (C. I. L. B.). TUNIS, MARCH 26-APRIL 4, 1962. (FR)

Entomophaga 7(4):307-323

1962 421 EN835

Bibliography, Biological control (pests), Integrated control (pests), International cooperation, Plant diseases, Plant pest control, Plant protection. German text opposite French text.

SEEDLINGS VIGOR EVALUATION OF FOUR BIRDSFOOT TREFOIL VARIETIES GROWN UNDER TWO TEMPERATURE REGIMES.

C S Cooper M Qualls

Crop Sci 8(6, NOV-DEC):756-757

1968 64.8 C883

Birdsfoot trefoil, Growth factors, Plant adaptation, Plant hardiness, Plant physiology, Seedlings, Tem-

2107-69

A RICE SEED FARM IN CENTRAL AMERICA.

J N Efferson

Rice J 71(13):6-10 Dec 1968 59.8 R36

Productivity, Rice, Seeds.

INHERITANCE OF CROWN RUST RE-SISTANCE IN AVENA STERILIS.

G Fleischmann R 1 H McKenzie Crop Sci 8(6, NOV-DEC):710-713 REF

1968 64.8 C883

Avena sterilis, Crown rust, Genes, Oats, Plant breeding, Plant disease resistance, Plant diseases, Plant genetics.

PROBLEMS IN PLANT PATHOLOGY AND EN-TOMOLOGY FIELD TRIALS.

G H Freeman

Exp Agr 3(4):351-358 REF

Oct 1967 10 EX72

Entomology, Plant diseases, Research.

2110-69

GERMINATION, GROWTH, AND RESPIRA-TION RATES OF BIRDSFOOT TREFOIL AT THREE TEMPERATURES DURING THE THREE TEMPERATURES DURING THE EARLY NONPHOTOSYNTHETIC STAGE OF DEVELOPMENT.

M Qualls C S Cooper

Crop Sci 8(6, NOV-DEC):758-760 REF

1968 64.8 C883

Birdsfoot trefoil, Growth factors, Plant physiology, Plant respiration, Seed germination, Seedlings, Tables (data), Temperature.

2111-69

LEAF PUBESCENCE IN COMMON WHEAT, TRITICUM AESTIVUM L., AND RESISTANCE TO THE CEREAL LEAF BEETLE, OULEMA MELANOPUS (L.).

K Ringlund E H Everson Crop Sci 8(6, NOV-DEC):705-710 REF 1968 64.8 C883

Gencs, Larvae, Oulema mclanopus, Plant breeding, Plant genetics, Plant pest resistance, Pubescence, Triticum acstivum.

2112-69

DISEASES OF SUGARBEET IN ARIZONA.

E G Ruppel

Plant Dis Rep 53(1):56-58

Jan 1969 1.9 P69P

Crop yields, Epidemiology, Fungus diseases (plants), Plant nematodes, Sugar beets, Virus diseases (plants).

PRELIMINARY RESULTS OF ATTEMPTS TO FORM THE ADVISORY BOARD FOR INTEGRATED PLANT PROTECTION. (GE)

H Steiner

Nachrichtenbl Deut Pflanzenschutzdienstes 19(1):6-7

Jan 1967 442.9 B832

Agricultural regulation, Insect pests, Plant diseases, Plant protection, Plant quarantine.

DDT RESISTANCE IN BARLEY, HORDEUM VULGARE- I. INDUCED MUTANTS FOR RE-SISTANCE.

A T Wallace F O Rillo R M Browning

Radiat Bot 8(5):381-388 REF

Dec 1968 450 R11

Barley, Chlorophylls, DDT, Genes, Leaves, Plant genetics, Plant hardiness, Plant mutation, Resistance. French and German summaries.

DISEASES

2115-69

ARSENAL FOR DISEASE CONTROL.

Anonymous

Amer Veg Grower 17(1):20,34

Jan 1969 80 C733

Aerial spraying, Fungicides, Fungus diseases (plants), Late blight, Maneb, Plant disease control, Potatoes, Soil-borne plant diseases, Spraying. Many fungicides are mentioned.

2116-69

EFFECTS OF POTASSIUM, MAGNESIUM, AND NITROGEN DEFICIENCIES ON THE CONCEN-TRATION OF CHLOROGENIC ACID AND SCOPOLIN IN TOBACCO.

G M Armstrong

Diss Abstr Sect B 29(7):2311B

Jan 1969 Z5055.U49D53

Biosynthesis, Chlorogenic acid, Lignin, Magnesi-Nitrogen, Plant physiology, Potassium, Scopolin, Tobacco.

MODERN METHODS OF DISEASE CONTROL IN FLORIST AND NURSERY CROPS.

K F Baker S H Smith

Calif Agr 21(8):10-12

Aug 1967 100 C12CAG

Greenhouse culture, Mechanization, Plant disease control, Plant diseases, Reproduction.

2118-69

LINE PATTERN DISEASE OF RASPBERRY. W Basak

Polska Akad Nauk Bull Ser Sci Biol 16(5):307-310

1968 512 W 262 Dieback, Insect vectors, Linc pattern, Raspberries, Ring spot, Virus diseases (plants).

RELATIVE SUSCEPTIBILITY OF THREE PE-ANUT CULTIVARS TO FAT LEG (SEEDLING GROWTH ANOMALY) CAUSED BY SEED TREATMENT WITH AN ORGANIC MERCURY FUNGICIDE.

D K Bell

Plant Dis Rep 53(1):12-14

Jan 1969 1.9 P69P

BIBLIOGRAPHY

2120-69

Fungicides, Mercury compounds, Peanuts, Plant abnormalities, Plant disease resistance, Seed germination, Seed treatment.

PROOF OF THE PRESENCE OF THE TOMATO BUSHY STUNT VIRUS IN GRAPE TENDRILS. (GE)

R Berck

Phytopothol Z 60(3)273-277 REF

Nov 1967 464.8 P562

Bushy stunt, Grapes, Sap, Serological tests, Tomatoes, Virus diseases (plants). English summary.

PHYTOPHTHORA CINNAMOMI RANDS ON CONIFERS IN NEW SOUTH WALES.

A L Bertus

Agr Goz New S Woles 79(12):751-754

Dec 1968 23 N472

Coniferae, Fungus diseases (plants), Phytophthora cinnumomi, Plant disease resistance, Root rot.

2122-69

CROWN GALL TUMORS IN VARIOUS SPE-CIES AND HYBRIDS OF KALANCHOIDEAE. (GE)

M Bopp F Resende

Port Acto Biol Ser A (SER A)9(3/4):327-366 REF

1966 442.8 P83

Agrobacterium tumefaciens, Crown galls, Hybrids, Kalanchoe, Plant diseases, Plant genetics, Plant physiology, Teratoma. English summary.

A RAPID METHOD FOR DETERMINING THE PATHOGENICITY AND FACTORS SOCIATED WITH PATHOGENICITY AS-PHYTOPHTHORA CACTORUM.

Z Boreeki D F Millikan

Phytopathology 59(2):247-248

Feb 1969 464.8 P56

Apples, Fungus diseases (plants), Methodology, Pathogenicity, Phloem, Phytophthora cactorum, Plant disease resistance.

STEM PITTING OF ITALIAN PRUNE.

H R Cameron

Plont Dis Rep 53(1):4-6

Jan 1969 1.9 P69P

Myrobalan plums, Plums, Prunus, Stem pitting, Symptomatology, Virus diseases (plants). Cor-rection, ibid 53(5):408, May, 1969 of illustrations on p. 6.

2125-69

KINETIN-LIKE SUBSTANCES PRODUCED BY PLANT TUMORS.

F M Catarino F Resende

Port Acto Biol Ser A (SER A)9(3/4):373-382 REF

1966 442.8 P83

Agrobacterium tumefaciens, Crown galls, Kinetin, Plant galls, Plant genetics.

MECHANISM OF RESISTANCE OF CARROT ROOTS TO PYTHIUM APHANIDERMATUM (EDS.) FITZ.

D K Chakravarty D N Srivastava

Phytopathol Z 60(3):259-261

Nov 1967 464.8 P562

Carrots, Fungus diseases (plants), Inhibitors, Phenols, Plant disease resistance, Plant protective devices, Pythium aphanidermatum, Rhizopus stolonifer, Roots. German summary.

2127-69

EFFECT OF 2,4-DICHLOROPHENOXYACETIC ACID ON TOBACCO MOSAIC VIRUS INFEC-

P C Cheo

Phytopathology 59(2):243-244 REF

Feb 1969 464.8 P56

Cucumbers, D. 2,4-, Dosage, Mosaie, Plant disease resistance, Plant physiology, Tobacco, Virus diseases (plants).

2128-69

CONTRIBUTION TO THE APPLICATION METHOD FOR FUNGICIDES TO CONTROL POTATO BLIGHT. (CZ)

Z Chladek

Agrochemio 8(7):208-213

1968 385 AG88

Brown rot, Chemical control (plant diseases), Copper, Fungicides, Fungus diseases (plants), Leaves, Pesticide application, Potatoes, Spraying. English, Russian, and, German summaries.

2129-69

SUSCEPTIBILITY OF THREE PINE SPECIES TO SCLERODERRIS LAGERBERGII IN UPPER MICHIGAN.

C E Cordell D D Skilling J W Benzie

Plant Dis Rep 52(1):37-39

Jan 1968 1.9 P69P

Fungus diseases (plants), Mortality, Pinus banksiana, Pinus resinosa, Pinus sylvestris, Plant disease resistance, Seleroderris lagerbergii, Susceptibility.

BACTERIAL FRUIT ROT OF WATERMELON IN FLORIDA.

I M Crall N C Schenck

Plont Dis Rep 53(1):74-75

Jan 1969 1.9 P69P

Bacterial diseases (plants), Bacterial leaf spot, Fruit rot, Symptomatology, Watermelons.

LOCAL REACTION AND CROSS PROTECTION FOR STRAINS OF SQUASH MOSAIC VIRUS.

J W Demski

Phytopothology 59(2):251-252

Feb 1969 464.8 P56

Mosaie, Plant breeding, Plant disease resistance, Plant protection, Squash, Symptomatology, Virus diseases (plants).

THE EFFECTS OF IPC, CIPC, SEVIN AND ZEC-TRAN ON BACILLUS SUBTILIS.

R DeGiovanni-Donnelly S M Kolbye P D Greeves Experientia 24(1):80-81

15 Jan 1968 475 EX7

Bacillus subtilis, Bacteriology, Carbaryl, Herbicides, Insecticides, Ipc, Mutation, Zectran.

ALFALFA MOSAIC VIRUS-INDUCED LESIONS ON BEAN: EFFECT OF LIGHT AND TEM-PERATURE.

P R Desjardins

Plont Dis Rep 53(1):30-33 REF

Ian 1969 1 9 P69P

Alfalfa, Beans, Light, Mosaic, Plant physiology, Symptomatology, Temperature, Virus diseases (plants).

BACTERIOPHAGE LABELING OF PSEU-DOMONAS SYRINGAE.

W M Dowler

Phytopathology 59(2):245-246

Feb 1969 464.8 P56

Bacterial canker, Bacterial diseases (plants), Bacteriophages, Culture media, Labeling, Peaches, Pseudomonas syringae.

2135-69

BACTERIOPHAGE REACTIONS PATHOGENIC SPECTRA OF XANTHOMONAS SPECIES TO COTTON.

T A El-Sharkawy

Diss Abstr Sect B 29(7):2256B

Jan 1969 Z5055.U49D53

Bacteriophages, Cotton, Crop varieties, Isolates, Pathogenic bacteria, Pathogenicity, Xanthomonas.

2136-69

CHEMICAL CONTROL OF SCAB ON CITRUS IN FLORIDA.

Plont Dis Rep 53(1):19-22

Jan 1969 1.9 P69P

Chemical control (plant diseases), Citrus, Ferbam, Fungus diseases (plants), Herbicides, Scab, Spraying, Triphenyltin hydroxide.

2137-69

FREE AMINO ACID CONTENTS IN CORN INFECTED WITH MAIZE DWARF MOSAIC VIRUS AND SUGARCANE MOSAIC VIRUS.

R E Ford J C Tu

Phytopothology 59(2):179-182 REF

Feb 1969 464.8 P56

Amides, Amino acids, Ammonium, Corn, Dwarf mosaic, Mosaic, Sugarcane, Symptomatology, Virology, Virus diseases (plants).

ANNOSUS ROOT-ROT IN SLASH PINE PLAN-TATIONS FOUR YEARS AFTER THINNING AND STUMP TREATMENTS.

J H Ginns C H Driver

Plont Dis Rep 53(1):23-25

Jan 1969 1.9 P69P

Ammonium sulfamate, Chemical control (plant diseases), Creosote, Fomes annosus, Fungus diseases (plants), Pentachlorophenol, Pinus elliottii, Root rot, Thinning (trees), Tributyltin oxide, Urea.

2139-69

HOST RESISTANCE RESPONSES- AN INDUC-TION HYPOTHESIS.

L A Hadwiger M E Sehwoehau Phytopathology 59(2):223-227 REF

Feb 1969 464.8 P56

Cells, Genes, Microorganisms, Plant disease resistance, Plant diseases, Symbiosis, Symptomatology.

2140-69

LONGEVITY THE OF CONIDIA SCLEROTINIA FRUCTICOLA (WINT.) REHM UNDER FIELD CONDITIONS.

P T Jenkins

Austrolion J Biol Sci 21(5):937-945 REF

Oct 1968 442.8 AU72

Bacillus cereus, Brown rot, Conidia, Environment, Fruit, Fungus diseases (plants), Longevity, Orchards, Plant physiology, Sclerotinia fructicola.

GRAIN YIELD OF CORN REDUCED BY MAIZE DWARF MOSAIC VIRUS INFECTION. L M Josephson J W Hilty J M Arnold H C

Kincer J R Overton

Plant Dis Rep 53(1):61-63 Jan 1969 1.9 P69P

Corn, Crop varieties, Crop yields, Dwarf mosaic, Grain, Plant disease resistance, Plant physiology, Virus diseases (plants).

2142-69

THE COAT PROTEIN GENE OF TOBACCO MOSAIC VIRUS. I. LOCATION OF THE GENE BY MIXED INFECTION.

C I Kado C A Knight

J Molec Biol 36(1):15-23 REF

28 Aug 1968 442.8 J8224

Biological assay, Biological control (plant diseases), Culture media, Electron microscopy, Electrophoresis, Genes, Mosaic, Polyacrylamide, Proteins, Ribonucleic acid, Synthesis, Tobacco, Virus diseases (plants).

2143-69

FRUIT ROT OF PAPAYA (CARICA PAPAYA L.) CAUSED BY MACROPHOMINA PHASEOLI (MAUBL). ASHBY.

S P Kapoor J S Chohan

Prog Farming 5(1):56-57

Mar 1968 S19.P8 Diagnosis, Fruit rot, Fungus diseases (plants), Macrophomina phaseoli, Papayas, Symptomatology

BIOCHEMICAL STUDIES ON SCLEROTIUM ROLFSII SACC.

F A Keller

Diss Abstr Sect B 29(7):2549B

Jan 1969 Z5055.U49D53

Biochemistry, Chromatography, Fungi, Hydrolysis, Melanins, Polysaceharides, Sclerotium rolfsii.

VIRULENCE OF VARIOUS GROUPS OF LOOSE SMUT OF BARLEY (USTILAGO NUDA (JENS.) ROSTRI) PHYSIOLOGICAL RACES IN THE LIGHT OF ANATOMICAL INVESTIGA-TIONS OF BARLEY VARIETIES DIFFERENT WITH REGARD TO RESISTANCE. 2. THE EF-FECT OF INFECTION UPON ANATOMICAL FEATURES OF PLANTS. (POL)

Hodowla Roslin Aklimatyzacja Nasiennictwo

11(3):287-301 REF

1967 64.8 H66

Barley, Crop varieties, Fungus diseases (plants), Loose smut, Plant anatomy, Plant disease re-sistance, Ustilago nuda. English and Russian summaries, anatomy a selection aid in breeding resistant varieties.

INFLUENCE OF SOIL WATER AND TEM-PERATURE ON THE PEA ROOT ROT COM-PLEX CAUSED BY PYTHIUM ULTIMUM AND FUSARIUM SOLANI F. SP. PISI.

J M Kraft D D Roberts

Phytopathology 59(2):149-152 REF

Feb 1969 464.8 P56

Fungus diseases (plants), Fusarium solani, Peas, Pythium ultimum, Root rot, Soil moisture, Soil temperature.

2147-69

BIOCHEMICAL CONTROL OF DISEASE RE-SISTANCE IN PLANTS.

J Kuc

Plant Protect Abs 4:204-205

Sep 1968 241.75 P69

Biochemistry, Plant disease resistance, Plant physiology. World Review of Pest Control, vol. 7, no. 1, spring 1968, p.42-53.

2148-69

SURVIVAL OF FOMES ANNOSUS SPORES IN SOIL.

E G Kuhlman

Phytopathology 59(2):198-201 REF

Fcb 1969 464.8 P56

Fomes annosus, Forest soils, Fungus diseases (plants), Plant physiology, Soil hydrogen-ion concentration, Soil series, Spores.

2149-69

AN INCIDENCE OF THE EFFECT OF GLYCINE ON THE VIRULENCE OF A STRAIN OF AGROBACTERIUM TU (SMITH AND TOWN) CONN. (FR) TUMEFACIENS

A Kurkdjian P Manigault

Phytopathol Z 60(3):291-297 REF

Nov 1967 464.8 P562

Agrobacterium tumefaciens, Bacteria, Bacterial diseases (plants), Datura stramonium, Glycine, Growth, Plant galls, Vancomycin, Virulence. English and German summaries.

2150-69

PLOT TECHNIQUES WITH MAIZE DWARF MOSAIC VIRUS: 11. GREENHOUSE STUDIES.

D R MacKenzie C C Wernham

Plant Dis Rep 52(1):28-30

Jan 1968 1.9 P69P

Buffer substances, Corn, Dwarf mosaic, Equipment, Greenhouse culture, Plant discase transmission, Seedlings, Virus diseases (plants).

GENETIC AND CYTOGENETIC STUDIES OF STEM RUST, LEAF RUST, AND POWDERY MILDEW RESISTANCES IN HOPE AND RELATED WHEAT CULTIVARS.

R A McIntosh N H Luig E P Baker

Australian J Biol Sci 20(6):1181-1192 REF

Dec 1967 442.8 AU72

Crop varieties, Cytogenetics, Fungus diseases (plants), Leaf rust, Plant disease resistance, Plant genetics, Powdery mildew, Stem rust, Wheat

FUNGAL DISEASES OF BANANAS IN HAWAII.

D S Meredith

Plant Dis Rep 53(1):63-66 REF

Jan 1969 1.9 P69P

Bananas, Epidemiology, Fungus diseases (plants), Symptomatology.

CELL INCLUSIONS OF HOLMES' RIBGRASS VIRUS, AN ANALOG OF TOBACCO MOSAIC VIRUS. (GE)

D Milicie

Naturwissenschaften 55(2):90-91

Fcb 1968 474 N213

Analogs, Plantago, Serological tests, Tobacco, Virus diseases (plants).

2154-69

STEM PITTING IN PRUNUS SPP. OTHER THAN PEACH.

S M Mircetich H W Fogle

Plant Dis Rep 53(1):7-11

Jan 1969 1.9 P69P

Epidemiology, Prunus, Stem pitting, Symptomatology, Virus diseases (plants).

AN APPROACH TO THE STUDY OF THE POPULATION DYNAMICS OF APHANOMYCES EUTEICHES IN SOIL.

J E Mitchell H S Balla G Yang

Phytopathology 59(2):206-212

Feb 1969 464.8 P56

Aphanomyces euteiches, Fungus diseases (plants), Peas, Population, Quantitative analysis, Root rot, Seedlings, Soil fungi, Vermiculite.

32P AND 35S TRANSFER FROM SUSCEPTIBLE WHEAT TO ERYSIPHE GRAMINIS F. SP. TRITICI DURING PRIMARY INFECTION.

M S Mount A H Ellingboe

Phytopathology 59(2):235

Feb 1969 464.8 P56

Biological transport, Erysiphe graminis tritici, Fungus diseases (plants), Phosphorus isotopes, Plant disease transmission, Wheat.

2157-69

NODULATION OF MEDICAGO SATIVA IN SOLUTION CULTURE. III. EFFECTS OF NITRATE ON ROOT HAIRS AND INFECTION. D N Munns

Plant Soil 29(1):33-47 REF

Aug 1968 450 P696

Alfalfa, Culture media, Nitrates, Nodules (plants), Plant diseases, Plant protection, Root hairs.

2158-69

GENE DOSAGE EFFECTS ON MONOGENIC CHLOROTIC LESION RESISTANCE TO NORTHERN CORN LEAF BLIGHT.

Diss Abstr Sect B 29(7):2305B

Jan 1969 Z5055.U49D53

Alleles, Chlorosis, Corn, Dosage, Fungus diseases (plants), Genes, Helminthosporium turcicum, Lcsions, Plant disease resistance, Plant genetics, Seedlings.

2159-69

EPIDEMIOLOGY OF CUCUMBER MOSAIC AND OTHER VIRUS DISEASES OF LETTUCE IN ARIZONA.

M R Nelson R T McKittrick Plant Dis Rep 53(1):27-29 REF

Jan 1969 1.9 P69P

Cucumbers, Epidemiology, Lettuce, Mosaic, Virus discases (plants).

2160-69

THE IDENTIFICATION OF GENES FOR PATHOGENICITY IN COCHLIOBOLUS CAR-BONUM.

R R Nelson D M Kline

Phytopathology 59(2):164-167

Feb 1969 464.8 P56

Cochliobolus carbonum, Fungus diseases (plants), Genes, Grasses, Identification, Plant genetics.

EFFECTS OF TEMPERATURE ON EXPRES-SION AND TRANSMISSION OF STUBBORN DISEASE OF CITRUS.

E O Olson B Rogers

Plant Dis Rep 53(1):45-49 REF

Ian 1969 1.9 P69P

Citrus, Mottle, Plant disease transmission, Symptomatology, Temperature, Virus diseases (plants).

HERITABILITY OF SEEDING DISEASE CHARACTERISTICS IN FLAX.

A O Omran R A Frederiksen 1 M Atkins Crop Sci 8(6,NOV-DEC):750-753 REF

1968 64.8 C883

Flax, Fungus diseases (plants), Plant breeding, Plant disease resistance. Plant genetics, Rhizoctonia solani, Seedlings.

EAR REMOVAL AND CELL DEATH RATE IN CORN STALK TISSUE.

A J Pappelis R A Katsanos

Phytopathology 59(2):129-131 REF

Feb 1969 464.8 P56

Cells, Corn, Corn ear, Diplodia zeae, Fungus diseases (plants), Gibberella zeae, Mortality, Pruning, Roots, Tissues.

DUTCH ELM DISEASE FOUND IN IDAHO.

A D Partridge

Plant Dis Rep 52(1):46

Jan 1968 1.9 P69P

Ceratocystis Diagnosis, ulmi. Dieback. Epidemiology, Fungus diseases (plants), Ulmus americana.

EFFECT OF DIMETHYL SULFOXIDE ON TOBACCO MOSAIC.

T S Pine

Plant Dis Rep 52(1):61-63

Jan 1968 1.9 P69P

Biochemistry, Chemical control (plant diseases), Dimethyl sulfoxide, Metabolism, Mosaic, Spraying, Tobacco, Virology, Virus diseases (plants).

ONTOGENY OF VESSELS INFLUENCE THE DEVELOPMENT OF VERTICILLIUM IN YOUNG COTTON PLANTS.

J T Presley E E Taylor

Phytopathology 59(2):253-254

Feb 1969 464.8 P56

Conidia, Cotton, Fungus diseases (plants), Morphology, Ontogeny, Seedlings, Verticillium albo-atrum, Wilt, Xylem.

CHEMICAL AND BIOLOGICAL PROPERTIES OF PH LATED PHYTOTOXIC GLYCOPEPTIDES CORYNEBACTERIUM FROM MICHIGANENSE.

P V Rai

Diss Abstr Sect B 29(7):2257B-2258B

Jan 1969 Z5055.U49D53

Autoradiography, Bacterial diseases (plants), Biochemistry, Chromatography, Corynebacterium michiganense, Electron microscopy, Glycopeptides, Phytotoxicity, Symptomatology.

INVESTIGATIONS CONCERNING RINGSPOT VIRUS DISEASE OF THE CHERRY. III. SEROLOGICAL INVESTIGATIONS. (GE) J Richter H Kegler

Phytapathol Z 60(3):262-272 REF

Nov 1967 464 8 P562

Cherries, Plums, Prune dwarf, Ring spot, Serological tests, Virus diseases (plants). English summary

A LABORATORY ASSAY FOR DETERMINING PATHOGENICITY OF PHYTOPHTHORA SPP. TO TOMATO.

G I Robertson

New Zeal J Agr Res 11(1):211-214

Feb 1968 23 N4892

Biological assay, Fungus diseases (plants), Methodology, Pathogenicity, Phytophthora, Tomatoes.

2170-69

CYTOGENETIC STUDIES ON THE RE-SISTANCE OF HORDEUM SATIVUM JESS. MUTANTS, VALTICKY VARIETY, TO SOME **FUNGUS DISEASES. (POL**

M Rozmus

Hadawla Raslin Aklimatyzacja Nasiennictwo

11(3):357-364 REF 1967 64.8 H66

Barley, Crop varieties, Cytogenetics, Fungus diseases (plants), Plant disease resistance, Plant genetics, Plant mutation. English and Russian summaries

DISTRIBUTION OF CUCURBIT VIRUSES IN KANSAS.

E A Salama W H Sill

Plant Dis Rep 52(1):11-14 REF

Jan 1968 1.9 P69P

Cucumbers, Epidemiology, Mosaic, Ring spot, Squash, Tobacco, Virus diseases (plants), Watermelons

2172-69

CUCURBIT VIRUS STUDIES IN HAWAII.

S Shanmugasundaram M Ishii J C Gilbert H Nagai

Plant Dis Rep 53(1):70-74 REF

Jan 1969 1.9 P69P

varieties, Crop Cucurbita. Cucumbers. Epidemiology, Momordica charantia, Mosaic, Plant disease resistance, Symptomatology, Virus diseases (plants).

POKEWEED MOSAIC. PROPERTIES OF VIRUS CAUSING

R J Shepherd J P Fulton R J Wakeman

Phytapathology 59(2):219-222 REF

Feb 1969 464.8 P56

Aphididae, Insect vectors, Mosaic, Phytolacca americana, Plant disease transmission, Virology, Virus diseases (plants).

2174-69

RESISTANCE MECHANISMS AGAINST ONION PINK ROOT (PYRENOCHAETA TERRESTRIS), BIOASSAY OF INOCULUM POTENTIAL IN SOIL AND CHEMICAL CONTROL.

S.R. Siemer

Diss Abstr Sect B 29(7):2258B

Jan 1969 Z5055.U49D53

Allium fistulosum, Biological assay, Chlorinated hydrocarbons, Chromatography, Crop varieties, Fumigation, Fungus diseases (plants), Onions, Phenolases, Plant disease resistance, Plant extracts, Plant growth inhibitors, Pyrenochaeta terrestris, Soil treatment, Thiocarhamates.

2175-69

ELECTRON MICROSCOPIC OBSERVATIONS ON THE CAUSAL AGENT OF THE BRAZILIAN TOMATO RING SPOT DISEASE.

K Silberschmidt D R Weigl T A Salomao Phytopathol Z 60(3):278-290 REF

Nov 1967 464.8 P562

Electron microscopy, Impatiens parviflora, Nicotiana glutinosa, Rattle disease, Ring spot, Tobacco, Tomatoes, Virology, Virus diseases (plants). German summary

2176-69

ADDITIONAL SOURCES OF TOLERANCE TO OAT CROWN RUST.

M D Simons

Plant Dis Rep 52(1):59-61

Jan 1968 1.9 P69P

Crop varieties, Crop yields, Crown rust, Fungus diseases (plants), Oats, Plant disease resistance, Plant hardiness, Puccinia coronata.

SOME COMPARISONS OF CHLOROSIS-INDUCING PSEUDOMONAD TOXINS.

S L Sinden R D Durbin

Phytopathalogy 59(2):249-250 REF

Feb 1969 464.8 P56

Bacterial diseases (plants), Chlorosis, Halo blight, Heat, Ornithine, Pseudomonads, Pseudomonas coronafaciens, Pseudomonas glyeinea, Pseudomonas phaseolicola, Pseudomonas tabaci, Symptomatology, Toxins.

PYRIMIDINE HYDRATES AND DIMERS IN UL-TRAVIOLET-IRRADIATED TOBACCO MOSA-IC VIRUS RIBONUCLEIC ACID.

G D Small M Tao M P Gordon

J Molec Bial 38(1):75-87 REF

28 Nov 1968 442.8 J8224

Chromatography, Hydrates, Hydrolysis, Irradiation, Mosaic, Photochemistry, Pyrimidines, tion, Mosaic, Photochemistry, Pyrimidines, Ribonucleic acid, Tobacco, Ultraviolet rays, Virus diseases (plants).

2179-69

THE EFFECT OF APHID NUMBERS AND STAGE OF PLANT GROWTH IN DETERMINING TOLERANCE TO BARLEY YELLOW DWARF VIRUS IN CEREALS.

H C Smith

New Zeal J Agr Res 10(3-4, AUG-NOV):445-466 REF

Nov 1967 23 N4892

Aging, Aphididae, Grain, Insect infestation, Insect vectors, Plant breeding, Plant disease resistance, Virus diseases (plants), Yellow dwarf.

MORPHOLOGY, PATHOGENICITY, AND CUL-TURAL CHARACTERISTICS OF SINGLE CONIDIUM ISOLATES OF ALTERNARIA LON-GIPES.

E K Sobers B Doupnik

Phytapathalogy 59(2):202-205

Feb 1969 464.8 P56

Alternaria longipes, Brown spot, Conidia, Culture media, Fungus diseases (plants), Plant morphology, Plant physiology, Tobacco.

PHYTOPHTHORA CROWN AND ROOT ROT OF HOPS IN CALIFORNIA.

R M Sonoda J M Ogawa

Plant Dis Rep 52(1):76-78

Jan 1968 1.9 P69P

Crown rot, Epidemiology, Fungus diseases (plants), Fusarium, Hops, Phytophthora, Pythium, Root rot.

2182-69

DOWNY MILDEW OF SORGHUM IN GEOR-GIA.

G Sowell H B Harris

Plant Dis Rep 53(1):4

Ian 1969 1.9 P69P

Crop yields, Downy mildew. Fungus diseases (plants), Sclerospora sorghi, Sorghum, Symptomatology.

2183-69

EPIDEMIOLOGY AND PREVENTION OF BACTERIAL BLIGHT DISEASE OF RICE IN INDIA.

D N Srivastava Y P Rao Int Rice Comm News Lett 17(1):27-33

Mar 1968 59.9 IN83N

Baeterial blight, Baeterial diseases (plants), Chemical control (plant diseases), Epidemiology, Irrigation, Pathology, Plant disease resistance, Plant diseases, Rice, Seed analysis, Spraying, Xanthomonas oryzae.

THE EFFECT OF DRAINAGE ON PHYSIOLOG-ICAL DISORDERS OF RICE GROWN ON THE SUB-COASTAL PLAINS OF THE ADELAIDE RIVER, N.T.

R W Strickland

Australian J Exp Agr Anim Husb 8(31):212-222 REF

Apr 1968 23 AU792

Chlorosis, Clay soils, Drainage. Plant diseases, Plant physiology, Plant water relations, Rice, Root

DIFFERENCES IN REACTION TO PUCCINIA STRIIFORMIS BETWEEN FIRST AND SECOND LEAVES IN WHEAT CROSSES.

R W Stubbs

Neth J Plant Pathol 74(4):122-123

1968 464.8 T44

Fungus diseases (plants). Leaves, Plant disease resistance, Plant genetics, Puccinia striiformis, Rust, Seedlings, Wheat. Dutch summary.

STUDIES ON THE BROWN-EYE-SPOT DIS-EASE (CERCOSPORA COFFEICOLA BERK, ET CKE.) OF COFFEE (COFFEA ARABICA L.). NUTRITIONAL REQUIREMENTS OF THE PATHOGEN.

S Subramanian

Phytopathol Z 60(3):247-258 REF

Nov 1967 464.8 P562

Cercospora coffeicola, Coffea arabica, Fungus diseases (plants), Glucose, Mannitol, Nutrition, Sporulation, German summary, 31 carbon, 24 nitrogen and 8 sulphur sources were tried.

2187-69

COMPARISON OF CHLORO AND THIO-CYANATO GROUPS AS FUNGAL TOX-IPHORES IN DINITROBENZENES.

L A Summers A L Black Naturwissenschaften 55(6):299

Jun 1968 474 N213

Aromatic hydrocarbons, Aspergillus, Fungicides, Moniliales, Peronospora tabacina, Spores, Thiocyanates, Venturia inaequalis.

Aromatic hydrocarbons with chloro and thio-cyanate groups attached were tested by spore germination as fungicides against several moniales species. The thiocyanate compounds were not phytotoxic.

ENZYMIC BROWNING AND FREE TYROSINE IN POTATOES AS AFFECTED BY PENTACHLORONITROBENZENE.

J P Sweeney P A Simandle

J Agr Food Chem 16(1,JAN-FEB):25-27 REF 1968 381 38223

Brown rot, Chemical control (plant diseases), Enzymes, Fungicides, Fungus diseases (plants), Pentachloronitrobenzene, Plant physiology, Potatoes, Rhizoctonia solani, Streptomyces Tyrosine.

2189-69

PURIFICATION AND PROPERTIES OF BROAD BEAN WILT VIRUS.

R H Taylor P R Smith C Reinganum A J Gibbs Australian J Biol Sci 21(5):929-935 REF

Oct 1968 442.8 AU72 Broadbeans, Mosaic, Mottle, Particle size determination, Purification, Red clover, Ribonucleic acid, Serological tests, Squash, Virology, Virus diseases (plants), Wilt.

INTERACTION OF MAIZE DWARF MOSAIC VIRUS STRAINS AND SUGARCANE MOSAIC VIRUS H IN CORN.

JC Iu R E Ford

Phytopathology 59(2):173-178

Feb 1969 464.8 P56

Corn, Dwarf mosaic, Mosaic, Plant disease re-sistance, Sugarcane, Virology, Virus diseases

2191-69

EVALUATION OF FUNGICIDES FOR USE AGAINST MARASMIUS PALMIVORUS ON OIL PALMS.

P D Turner

Exp Agr 3(2):129-135 REF

Apr 1967 10 EX72

African oilpalm, Fungicides, Fungus diseases (plants), Marasmius palmivorus, Mercury, Organic compounds, Spraying.

2192-69

PLOT TECHNIQUES WITH MAIZE DWARF MOSAIC VIRUS: 1. FIELD STUDIES, 1966.

C C Wernham D R MacKenzic Plant Dis Rep 52(1):24-28

Jan 1968 1.9 P69P

Corn, Dwarf mosaic, Epidemiology, Equipment, Plant breeding, Plant discase resistance, Plant diseasc transmission, Virus discases (plants)

2193-69

A NEW SOURCE OF HIGH PROTEIN IN OATS.

D E Western

Northwest Crop Produc Conf Rep 1967

MEETING:51-52

1967 464.9 N813

Food, Oats, Plant biochemistry, Plant diseasc resistance, Proteins, Rust.

CYTOLOGY OF THE SPORANGIUM OF PHYTOPHTHORA CAPSICI.

W T Williams

Diss Abstr Sect B 29(7):2259B

Jan 1969 Z5055.U49D53

Fungi, Phytophthora capsici, Plant cytology, Plant physiology, Ribosomes, Soil extracts, Sporangium.

DUTCH ELM DISEASE DETECTED IN MISSIS-SIPPI.

R D Wolfe C L Hatch

Plant Dis Rep 53(1):3

Jan 1969 1.9 P69P

Ceratocystis ulmi, Dieback, Fungus discases (plants), Insect vectors, Scolytus multistriatus, Ulmus alata, Ulmus americana.

WIND DISPERSAL OF PUCCINIA HORIANA.

R Zandvoort

Neth J Plant Pathol 74(4):124-127

1968 464.8 T44

Chrysanthemum morifolium, Fungi dissemination, Fungus diseases (plants), Puccinia horiana, Rust, Wind. Dutch summary.

ON THE INCUBATION PERIOD OF PUCCINIA HORIANA.

R Zandvoort C A M Groenewegen J C Zadoks

Neth J Plant Pathol 74(4):128-131

1968 464.8 T44

Chrysanthemum, Fungus discases (plants), Puccinia horiana, Temperature, Time. Dutch summary.

2198-69

THE RAPID DEVELOPMENT AND SPREAD OF STRAIN B DOWNY MILDEW OF LIMA BEANS.

W J Zaumeyer R E Wester

Plant Dis Rep 53(1):25-26

Jan 1969 1.9 P69P

Crop varieties, Downy mildew, Fungus discases (plants), Lima beans, Phytophthora phascoli, Plant morphology, Plant physiology.

INFLUENCE OF THE PROLIFERATION VIRUS UPON THE QUALITY AND QUANTITY OF APPLE FRUITS.

B Zawadzka D F Millikan L C Cochran Plont Dis Rep 53(1):41-43

Jan 1969 1.9 P69P

Apples, Crop varieties, Crop yields, Quantitative analysis, Virus diseases (plants).

ARTHROPODS

2200-69

ANNOTATED LIST OF INSECTS INFESTING BARK AND WOOD OF FRASER FIR.

J Econ Entomol 62(1):249-250

17 Fcb 1969 421 J822

Abies frascri, Adelges piceae, Bark, Insect pests, Tree injuries, Wood.

DOMESTIC QUARANTINE NOTICES. CEREAL LEAF BEETLE.

R J Anderson

Fed Regist 34(59,PT 1):5710-5713

27 Mar 1969 L1.451

Agricultural regulation, Cereal leaf beetle, Interstate commerce, Quarantine, Regulations.

SCIENTISTS ATTACK CORN BORER.

Anonymous

Michigan Farmer 251(2):33

18 Jan 1969 6 M58

Chemical control (insects), Corn borers, Dimboa, Feed, Plant pest resistance, Spraying.

LEAF CHANGES BROUGHT ABOUT BY EMPOASCA FLAVESCENS F. (HOM. TYPHLOCYBIDAE) ON APPLE TREES. (FR.)

M Baggiolini

Schweiz Entomol Ges Mitt 40(3/4):257-262

15 Apr 1968 420 SW6

Apples, Empoasca flavescens, Insect pests, Leaves, Typhlocybidac.

A MASS SCREENING PROCEDURE FOR ISOLATING ALFALFA SEEDLINGS WITH RESISTANCE TO THE ALFALFA WEEVIL.

D K Barnes B L Norwood C H Hanson R H Ratcliffe

J Econ Entomol 62(1):66-69 REF

17 Fcb 1969 421 J822

Alfalfa, Brccding, Hypera postica, Insect pests, Light, Plant pest resistance, Scedlings, Tempera-

2205-69

THE ECOLOGY OF A NATURAL POPULA-TION OF THE QUEENSLAND FRUIT FLY, DACUS TRYONI. I. THE PARAMETERS OF THE PUPAL AND ADULT POPULATIONS DUR-ING A SINGLE SEASON.

M A Bateman F J Sonleitner

Australian J Zool 15(2):303-335 REF

Mar 1967 410 AU73

Dacus tryoni, Demography, Insect ecology, Insect populations, Seasonal variation.

2206-69

GREENHOUSE STUDIES OF HOST PLANT GRAMINELLA SUITABILITY NIGRIFRONS, A VECTOR OF CORN STUNT VIRUS.

F J Boyd H N Pitrc

J Econ Entomol 62(1):126-130 REF

17 Feb 1969 421 J822

Corn, Graminella nigrifrons, Greenhouse culture, Insect biology, Insect vectors, Plant hosts, Stunt, Virus diseases (plants).

A LABORATORY COMPARISON OF THE EF-FECTS OF SOME INSECTICIDES ON THE AR-GENTINE STEM WEEVIL (HYPERODES BONARIENSIS KUSCHEL) (COLEOPTERA: CURCULIONIDAE).

R S Buchanan R A Harrison New Zeal J Agr Res 10(1):82-86

Feb 1967 23 N4892

Biological assay, Chemical control (insects), Diazinon, Hyperodes bonariensis, Insecticides, Organophosphorus compounds.

Baver s767 and diazinon were found to be most effective of cleven insecticides tested on the Argentinc stem weevil, Hyperodes bonaricnsis, in a laboratory assay.

2208-69

A BOLL WEEVIL OVIPOSITION SUPPRESSION FACTOR IN COTTON.

W T Buford J N Jenkins F G Maxwell Crop Sci 8(6,NOV-DEC):647-649 REF

1968 64.8 C883

Anthonomus grandis, Crop varieties, Insect breeding, Laboratory animals, Oviposition, Plant genetics, Plant pest resistance, Upland cotton.

EFFECT OF TEMPERATURE, LIGHT, AND DATE OF COLLECTION ON THE FEEDING RATE OF THE SWEETCLOVER WEEVIL.

C O Calkins

J Econ Entomol 62(1):169-171

17 Feb 1969 421 J822

Biological control (insects), Experimental insects, Feeding, Insect behavior, Insect collection, Light, Plant pest resistance, Sitona cylindricollis, Sweetclover, Temperature.

2210-69

RECORD OF ACANTHOLYDA CIRCUMCINC-TA (HYMENOPTERA: PAMPHILIIDAE) IN FLORIDA.

C W Chellman

Fla Entomol 52(1):51

Mar 1969 420 F662

Acantholyda circumcincta, Pamphiliidae, Pinus clausa, Zoogeography.

2211-69

CHEMICAL CONTROL OF MANGO HOPPERS (IDIOCERUS SPP.).

S K Chikkerur

Plant Protect Bull 19(3):39-41

1967 421 P69

Chemical control (insects), DDT, Dosage, Endrin, Idiocerus, Insect pests, Mangocs, Spraying, Sulfur.

AN OAK LEAF TIER, CROESIA SEMIPURPU-RANA (KFT.) (LEPIDOPTERA: TORTRICIDAE) IN THE REGION OF QUEBEC. (FR)

P Cochaux

Entomol Soc Quebec Ann 13(2):98-107 REF May 1968 420 EN822

Croesia semipurpurana, Forest insects, Insect biology, Insect eggs, Insect morphology, Insect temperature, Larvae, Parasitism, Quercus rubra, Tortricidac, English summary.

CONSIDERATION OF THE PROBLEMS RAISED BY THE RECENT CECIDOMYIID ATTACK ON CORN FLOWERS. (FR)

R Coutin

Paris Acad Agr France Compt Rend Hebd Seonces 54(9):725-729 REF

17 Jun 1968 14 P215BC

Cecidomyiidae, Chemical control (insects), Corn, Crop yields, Cultural control (insects), Diapausc, Larvae, Weather, Zoogeography.

2214-69

TRANSMISSION OF MAIZE DWARF MOSAIC BY THE GRAMINUM. GREENBUG, **SCHIZAPHIS**

N E Daniels R W Toler

Plant Dis Rep 53(1):59-61 Jan 1969 1.9 P69P Aphididae, Corn, Dwarf mosaic, Insect vectors, Plant disease transmission, Schizaphis graminum, Sorghum, Sugarcane, Virus diseases (plants).

RHYACIA AUGUR F. AND OTHER CLIMBING CUTWORMS (LEPIDOPTERA).

S Ekholm

Notulae Entomol 47(2):54-56 MAP

CROP PROTECTION

2216-69

1967 421 N84

Fruit, Insect biology, Larvae, Noctuidae, Rhyacia augur, Zoogeography.

The biology of Rhyacia augur and other climbing cutworms in Finland is discussed in relation to the damage produced on pome fruits and other plant species. A map showing the Finnish localities where the noctuid larvae have been reported as pests on fruit trees is included.

2216-69

FEEDING STIMULANTS FROM PLANTS FOR LARVAE OF THE TOBACCO BUDWORM AND BOLLWORM.

A A Guerra T N Shaver J Econ Entomol 62(1):98-100 17 Feb 1969 421 J822

Corn, Cottonseed, Food, Heliothis virescens, Heliothis zea, Insect behavior, Insect nutrition, Larvae, Plant extracts, Stimulants.

MALE BOLL WEEVILS ARE MORE ATTRACTIVE THAN COTTON PLANTS TO BOLL WEEVILS.

D D Hardee W H Cross E B Mitchell J Econ Entamol 62(1):165-169 REF 17 Feb 1969 421 J822

Anthonomus grandis, Attractants, Baits, Biological control (insects), Cotton, Insect pests, Insect traps,

EFFECT OF ATTACK BY COSTELYTRA ZEA-LANDICA (WHITE) LARVAE ON RYEGRASS VARIETIES.

J M Kelsey

New Zeal J Agr Res 10(1):172-175

Feb 1967 23 N4892

Costelytra zealandica, Demography, Insect infestation, Larvae, Lolium.

STUDIES OF THE ECOLOGY OF THE CABBAGE APHID (BREVICORYNE BRAS-SICAE (L.)) ON BRASSICA FIELD CROPS IN CANTERBURY, NEW ZEALAND, II. POPULA-TION STUDY, 1959-60.

K P Lamb A D Lowe

New Zeal J Agr Res 10(1):87-108

Feb 1967 23 N4892

Brassica, Brevicoryne brassicae, Demography, Insect ecology, Surveys.

2220-69

A NEW BIOTYPE OF CABBAGE APHID (BREVICORYNE BRASSICAE (L,)) ON APHID RESISTANT RAPE (BRASSICA NAPUS L.).

J Lammerink

New Zeal J Agr Res 11(2):341-344

May 1968 23 N4892

Brevicoryne hrassicae, Insect identification, Insect infestation, Plant injuries, Plant pest resistance, Rape.

2221-69

APHIDS AND LEAFHOPPERS FOUND ON RED CLOVER IN EASTERN WASHINGTON.

B J Landis G T Hagel

J Econ Entomol 62(1):273

17 Feb 1969 421 J822

Aphididae, Cicadellidae, Insect pests, Red clover, Zoogeography. 12 species of pests of red clover are listed.

2222-69

INTERACTION OF A FUNGUS GNAT, BRADY-SIA SP. (SCIARIDAE) WITH FUSARIUM SPP. ON ALFALFA AND RED CLOVER.

K T Leath R C Newton

Phytopathology 59(2):257-258

Feb 1969 464.8 P56

Alfalfa, Bradysia, Fungus diseases (plants), Fusarium, Greenhouse culture, Insect pests, Insect vectors, Plant disease transmission, Red clover, Sciaridae.

2223-69

PARASITES OF TACHYPORUS SPECIES (COL.; STAPHYLINIDAE) WITH SPECIAL CONSIDERATION OF CENTISTES LUCIDATOR (NEES) (HYM.; BRACONIDAE). (GE)

E Lipkow

Pedabiologia 8(4):409-415

1968 56.8 P343

Braconidac, Development, Host relationships, Insect morphology, Parasitic insects, Parasitic ne-matodes, Parasitism, Staphylinidae.

PREFERENCE OF GREEN PEACH APHIDS FOR VIRUS-INFECTED SUGARBEET LEAVES. W Macias G I Mink

J Econ Entomol 62(1):28-29

17 Fcb 1969 421 J822

Attractants, Feeding, Insect behavior, Leaves, Mosaic, Myzus persicae, Sugar beets, Virus diseases (plants), Yellows.

THE FEEDING BEHAVIOR AND BIOLOGY OF PARAPRONEMATUS ACACIAE (ACARINA:

C W McCoy A G Selhime R F Kanavel

Fla Entomol 52(1):13-19 REF

Mar 1969 420 F662

Biological control (insects), Citrus, Food habits, Fungi, Insect biology, Phyllocoptruta oleivora, Predaceous insects.

DISTRIBUTION OF HIBERNATING LARVAE OF THE WESTERN BUDW CHORISTONEURA OCCIDENTALIS, DOUGLAS-FIR IN COLORADO. BUDWORM,

M E MeKnight

J Econ Entomol 62(1):139-142

17 Feb 1969 421 J822

Choristoneura occidentalis, Hibernation, Insect behavior, Insect pests, Larvae, Pseudotsuga menziesii, Zoogeography.

END OF SQUARING AS AN ECONOMIC IN-DICATOR OF APPROXIMATE TIME TO END INSECTICIDAL TREATMENTS FOR BOLL WEEVIL CONTROL.

W J Mistrie B M Covington J Econ Entamol 62(1):35-36

17 Feb 1969 421 J822

Anthonomus grandis, Chemical control (insects), Cotton, Economics, Insect pests, Insecticide application, Insecticides, Population, Time.

DAMAGE BY THE STRAWBERRY SPIDER MITE TO COTTON WHEN INFESTATIONS COMMENCED AT THE BEGINNING, MIDDLE, AND END OF THE FLOWERING PERIOD.

W J Mistric

J Econ Entomol 62(1):192-195

17 Feb 1969 421 J822

Cotton, Insect behavior, Insect outbreaks, Insect pests, Mites, Temperature, Tetranychus atlanticus, Time.

INSECTICIDAL CONTROL OF THE SUGAR-CANE BORER IN CORN.

A A Negm S D Hensley E J Concienne

J Ecan Entornal 62(1):245-246

17 Feb 1969 421 J822

Chemical control (insects), Corn, Diatraea saceharalis, Insect pests, Insecticides.

FUMIGATION OF FOOD GRAINS IN INDIA WITH HYDROGEN PHOSPHIDE, I. TESTS IN CONCRETE BINS.

L Rai J N Sarid S V Pingale

Bull Grain Technal 1(1/4,MAR-DEC):3-15 REF 1963 TS2120 B8

Dosage, Feed grains, Food storage, Fumigation, Insect pests, Oryzaephilus surinamensis, Phosphine. Rhyzopertha dominiea, Sitophilus oryzae, Toxicity, Tribolium castaneum, Wheat.

INUNDATIVE RELEASES OF CHRYSOPA CAR-NEA FOR CONTROL OF HELIOTHIS ON COT-

R L Ridgway S L Jones

J Ecan Entamol 62(1):177-180 REF

17 Feb 1969 421 J822

Biological control (insects), Chrysopa carnea, Cotton, Heliothis virescens, Heliothis zea, Insect cages, Insect eggs, Insect pests.

A TECHNIQUE FOR EVALUATING VARIETAL RESISTANCE OF CASTOR TO CASTOR JASSID (EMPOASCA FLAVESCENS FABRICIUS).

M L Saini K S Chhabra Prag Farming 5(1):72-74

Mar 1968 S19.P8

Castorbeans, Crop varieties, Empoasea flavescens, Insect pests, Leaves, Plant pest resistance, Population.

BIOCHEMICAL ANALYSIS OF APHID SALIVA AND ITS IMPORTANCE IN GALL DEVELOPMENT. (GE)

G Schaler

Zaol Jahrbucher Abt Allg Zaol Physiol Tiere 74(1):54-87 REF

1968 410 Z751Z

Aphididae, Biochemistry, Development, Host relationships, Plant galls, Saliva, Salivary glands (in-

2234-69

AERIAL APPLICATIONS OF PIB-7 AND MALATHION TO SUPPRESS POPULATIONS OF ANASTREPHA SUSPENSA.

A G Selhime R A Sutton

Fla Entomol 52(1):41-43

Mar 1969 420 F662

Aerial insect control, Anastrepha suspensa, Chemical control (insects), Insecticide application, Malathion, Protein hydrolysates.

APHID POPULATIONS IN RELATION TO TRISTEZA IN FLORIDA CITRUS.

W A Simanton L C Knorr Fla Entomol 52(1):21-27

Mar 1969 420 F662

Aphididae, Citrus, Insect vectors, Plant disease transmission, Population, Surveys, Tristeza, Virus diseases (plants).

2236-69

WHOLE TOWN TREATMENT FOR FRUIT FLY CONTROL.

A H Skepper R Sweedman

Agr Gaz New S Woles 79(12):705-709

Dec 1968 23 N472

Attractants, Chemical control (insects), Fly traps, Hygiene, Insect control, Protein hydrolysates, Tephritidae.

The methods of controlling fruit flies in towns in New South Wales are discussed. Eight to ten sprays a year with maldeson and protein hydrolysates together with general fruit tree hygiene hy the towns people and Dept. of Agriculture completely rid towns of fruit flies for a year.

2237-69

CONTROLLING METHOD OF **ERADICATING MITES. PATENT 3,427,385.** Y Uebayashi R Sakimoto K Ishii M Asada T

Taniguchi Us Patent Office Offic Gaz 859(2):607

11 Feb 1969 156.65 OF2

Chemical control (insects), Insecticide application, Mites, Patents, Plants.

2238-69

THE EFFECT OF SOME PESTICIDES ON THE SOIL INVERTEBRATE FAUNA IN THE SOUTH TAIGA ZONE IN THE PERM REGION (USSR).

L D Voronova

Pedabialogia 8(4):507-525 REF

1968 56.8 P343

Carbaryl, Chemical control (insects), Malathion, Organophosphorus compounds, Soil fauna.

NEMATODES

SYSTEMIC PESTICIDES FOR CONTROL OF STING AND STUBBY-ROOT NEMATODES ON VEGETABLES.

B B Brodic

Plant Dis Rep 52(1):19-23 REF

Jan 1968 1.9 P69P

Belonolaimus longicaudatus, Carbamates, Chemical control (nematodes), Crop yields, Organophosphates, Pesticides, Plant nematodes, Trichodorus christiei, Vegetables, Xiphinema americanum.

THE INFLUENCE OF A SMALL APPLICATION OF MANURE NEAR THE SEEDS ON THE PLANT'S RESISTANCE TO INFECTION BY NE-MATODES. (FR

J Denaric

Paris Acad Agr France Compt Rend Hebd Seances 54(9):651-658

19 Jun 1968 14 P215BC

Ammonium sulfate, Chemical control (nematodes), Fertilizers, Kidney beans, Meloidogyne, Peas, Plant nematode resistance, Potassium sulfate.

AN ECOLOGICAL STUDY OF SOME SOIL NEMATODES ASSOCIATED WITH APPLE TREES IN A NEW ZEALAND GRASSED ORCHARD.

O A Egunjobi

New Zeal J Agr Res 11(2):386-406 REF

May 1968 23 N4892

Apples, Ecology, Nematodes, Scasonal variation, Soil moisture, Soil sampling (nematodes).

2242-69

DETERMINATION OF THE WATER CONTENT OF NEMATODE WORMS BY INTERFERENCE MICROSCOPY.

C Ellenby

Experientia 24(1):84-85 REF

15 Jan 1968 475 EX7

Animal physiology, Heterodera rostochiensis, Microscopy, Nematodes, Water.

2243-69

SURVIVAL OF SOYBEAN CYST NEMATODES IN SEED BAGS.

J M Epps

Plant Dis Rep 52(1):45

Jan 1968 1.9 P69P

Bags, Heterodera glycines, Larvac, Plant nematodes, Planting, Sceds, Soybean's, Storage.

POPULATION DYNAMICS PATHOGENICITY OF THREE SPECIES OF PRATYLENCHUS ON PEACH.

P Fliegel

Phytopathology 59(2):120-124 REF

Fcb 1969 464.8 P56

Climate, Demography, Nematode populations, Peaches, Plant injuries, Plant nematodes, Pratylenchus brachyurus, Pratylenchus vulnus, Pratylenchus zcac.

2245-69

SAPROZOIC NEMATODES STREPTOMYCES PHAGE. TRANSMIT

H J Jensen C M Gilmour Plant Dis Rep 52(1):3-4 Jan 1968 1.9 P69P

Bacteriophages, Chlorine, Feed, Nematode vcctors, Plant nematodes, Soil sterilization, Strepto-

CITRUS-ROOT NEMATODE IN IRAN.

Z A Katcho J M Allow Plant Dis Rep 53(1):84

Jan 1969 1.9 P69P

Citrus, Deficiency diseases, Plant injuries, Plant ne-matodes, Plant nutrition, Roots, Symptomatology, Tylenchulus semipenetrans.

SPECIES DOMINANCE IN CO-INCIDENT IN-FECTIONS BY MELOIDOGYNE HAPLA AND M. JAVANICA ON TOMATO.

R A Kinloch

Diss Abstr Sect B 29(7):2256B

Jan 1969 Z5055.U49D53

Animal ecology, Animal physiology, Meloidogyne hapla, Meloidogyne javanica, Plant galls, Plant ne-matodes, Roots, Sex ratios, Temperature, Tomatocs.

MUTUAL ANTAGONISM BETWEEN HETERODERA TABACUM AND SOME OTHER PARASITIC NEMATODES.

P M Miller S E Wihrheim

Plant Dis Rep 52(1):57-58

Ian 1968 1.9 P69P

Heterodera tabacum, Parasitism, Plant nematodes, Pratylenchus penetrans, Tobacco, Tylenchorhynchus claytoni.

POTATO TUBER EELWORM.

Great Brit Min Agr Fish Food Adv Leafl 372:1-3 1968 10 G79LA

Biology, Crops, Ditylenchus destructor, Plant discases, Plant injuries, Plant nematodes, Plant pest control, Storage, Weeds.

SOME OBSERVATIONS ON THE BIOLOGICAL CYCLE OF TYLENCHULUS SEMIPENETRANS COBB, 1913 (NEMATODA, TYLENCHULIDAE).

A M Palmisano

Redia (SER 2)50:35-46 REF

1967 421 R241

Biology, Citrus, Nematode morphology, Nematode population, Plant hosts, Plant nematodes, Tem-perature, Tylenchulus semipenetrans. English summary.

HOST SUITABILITY OF A NUMBER OF PLANTS FOR THE NEMATODE TYLENCHO-RYNCHUS DUBIUS.

R D Sharma

Neth J Plant Pathol 74(4):97-100

1968 464.8 T44

Crop varieties, Cruciferac, Leguminosae, Plant hosts, Plant nematode resistance, Plant nematodes, Tylenchorynchus dubius. Dutch summary.

THE EFFECTS OF HOST NUTRITION AND SOIL FUNIGATION ON THE PENETRATION AND PATHOGENICITY OF MELOIDOGYNE JAVANICA (TREUB, 1885) CHITWOOD, 1949 ON TOMATO.

JT Vazquez

Diss Abstr Sect B 29(3):1054B-1055B

Sep 1968 Z5055.U49D53

Chemical control (nematodes), Ethylene dibromide, Fungicides, Meloidogyne javanica, Nitrogen, Plant diseases, Plant injuries, Plant nematodes, Plant nutrition, Plant physiology, Soil fumigation, Soil treatment, Tomatoes.

2253-69

NEBRASKA ROOT-GALL NEMATODE OF SUGAR BEETS.

J L Weihing E Kerr Nebr Univ Ext Ec (1847):11P 1968 275.29 N272EX

Chemical control (nematodes), Chemical control (weeds), Crop rotation, Heterodera schachtii, Meloidogyne, Nacobbus batatiformis, Plant galls, Plant nematodes, Plant physiology, Soil fumigation, Soil microorganisms, Sugar bects, Temperature. There is a table of many plant species with their reaction to the nebraska root-gall nematodes.

WEEDS

2254-69

APION SEED WEEVIL INTRODUCED FOR BIOLOGICAL CONTROL OF SCOTCH BROOM.

1. A Andres R B Hawkes A Rizza

Calif Agr 21(8):13

Aug 1967 100 C12CAG

Biological control (weeds), Cytisus scoparius, Ranges, Secds, Timber, Weed control.

BIOCHEMICAL ASPECTS OF TRIAZINE BASED HERBICIDES. (FR)

E Ebert P W Muller

Experientia 24(1):1-8 REF

15 Jan 1968 475 EX7

Biochemistry, Herbicides, Hill reaction, Plant enzymes, Plant metabolism, Toxicology, Triazine herbicides. English abstract

2256-69

PROGRESS REPORT ON JOHNSONGRASS CONTROL IN ORCHARDS.

C L Elmore A H Lange L L Buschmann R B Jeter J J Smith

Calif Agr 21(5):6-7

May 1967 100 C12CAG

Chemical control (weeds), Dalapon, Herbicides, Orchards, Reports, Sorghum halepense, Weed con-

ARCEUTHOBIUM PUSILLUM ON EASTERN LARCH IN WISCONSIN.

J T Kliejunas

Plant Dis Rep 53(1):76

Jan 1969 1.9 P69P

Arceuthobium pusillum, Environment, Larix laricina, Parasitism, Picea mariana, Weeds.

COMPARISON OF HERBICIDES AND TIMES OF SPRAYING FOR THE CONTROL OF BLACKBERRY (RUBUS FRUTICOSUS).

W T Parsons R L Amor

Australian J Exp Agr Anim Husb 8(31):238-243 Apr 1968 23 AU792

Blackberries, Chemical control (weeds), Herbicides, Spraying, T, 2,4,5-, Weed control.

DOMESTIC QUARANTINE NOTICES. WITCHWEED, REGULATED AREAS.

D R Shepherd

Fed Regist 34(28,PT 1):1937-1945

11 Feb 1969 L1.451

Agricultural regulation, Geography, Plant quarantine, Striga, Weed control.

2260-69

CONTROL OF WEEDS IN WHEAT CROP BY 2,4-D.

D D Srivastava

Plant Pratect Bull 19(3):42-43

1967 421 P69

Amines, Chemical control (weeds), Crop yields, D. 2,4-, Economics, Grain, Herbicides, Salts, Sodium, Spraying, Wheat.

INTERRELATIONSHIPS BETWEEN ROOT-NODULE BACTERIA, PLANT-PARASITIC NE-MATODES AND THEIR LEGUMINOUS HOST.

Diss Abstr Sect B 29(7):2258B-2259B

Jan 1969 Z5055.U49D53

CROP PROTECTION

2262-69

Heterodera trifolii, Leguminosae, Meloidogyne javanica, Nitrogen, fixing bacteria, Nodules (plants), Plant nematodes, Plant physiology, Rhizobium trifolii, Roots.

SELECTIVE HERBICIDES CONTROL WEEDS IN LUCERNE AT COWRA.

N S Tickner

Agr Gaz New S Wales 79(12):718-720

Dec 1968 23 N472

Alfalfa, Capsella bursa-pastoris, Chemical control (weeds), DPA, Herbicides, Hordeum, Paraquat, Weed control.

The chemical control of weeds, barley grass and shepherds purse in lucerne fields with paraquat and 2,2-Dpa is discussed.

OTHER PESTS

2263-69

SOFAR UNNOTICED DAMAGE TO FRUIT TREES, BROUGHT ABOUT BY FIELD MICE. (GE)

K Hofmann

Nachrichtenbl Deut Pflanzenschutzdienstes 19(1):12-13

Jan 1967 442.9 B832

Field mice, Fruit, Plant injuries, Rodents, Tree injuries, Trees.

LIVESTOCK PROTECTION

2264-69

STABILIZATION OF ANIMAL AND POULTRY FEEDS CONTAINING A TETRACYCLINE ANTIBIOTIC. PATENT 3,427,166.

A Abbcy R B Fortenbaugh I Klothen Us Patent Office Offic Gaz 859(2):567 11 Fcb 1969 156.65 OF2

Aluminum, Animals, Antibiotics, Fceds, Ions, Patents, Poultry, Tetracycline.

COMPOSITION CONTAINING PENICILLIN AND DYE INDICATOR FOR TREATING UD-DERS. PATENT 3,427,377.

F Bauer P Klatt K Sellhorn

Us Patent Office Offic Gaz 859(2):606

11 Fcb 1969 156.65 OF2

Chemical indicators, Dyes, Milk analysis, Patents, Penicillin, Therapeutics, Udders.

2266-69

THE TRAINED FALCON IN HEALTH AND DIS-EASE.

J E Cooper

J Small Anim Pract 9(11):559-566

Nov 1968 41.8 J8292

Animal diseases, Falcons, Feeding, Veterinary medicine. French and German summaries.

2267-69

NATURE OF THE WATER-SOLUBLE METABOLITES OF CARBARYL IN BEAN PLANTS AND THEIR FATE IN RATS.

H W Dorough O G Wiggins

J Econ Entomol 62(1):49-53

17 Feb 1969 421 J822

Beans, Biochemistry, Carbaryl, Laboratory animals. Metabolites, Plant extracts, Rats, Residues, Tissues.

2268-69

FOOD ADDITIVES PERMITTED IN THE FEED AND DRINKING WATER OF ANIMALS OR FOR THE TREATMENT OF FOOD-PRODUCING ANIMALS. ZOALENE, 3-NITRO-4-HYDROXYPHENYLARSONIC ACID.

J K Kirk

Fed Regist 34(25):1771 06 Feb 1969 L1.451

Chickens, Drugs, Feed, Food additives. Nitro-4-hydroxyphenylarsonic acid, 3-, Water.

BIBLIOGRAPHY

EFFECTS OF ESTROGENS ON AORTIC CON-NECTIVE TISSUE OF TURKEYS.

J M Kling

Diss Abstr Sect B 29(3):1114B

Sep 1968 Z5055.U49D53

Aorta, Biochemistry, Cell wall, Diethylstilbestrol, Estrogens, Histochemistry, Hormones, Turkeys.

NOTICE OF OPPORTUNITY FOR HEARING REGARDING MEDICATED ANIMAL FEEDS.

H L Ley

Fed Regist 34(62):6004

02 Apr 1969 L1.451

Animal nutrition, Chlortetracycline, Diethylstilbestrol, Drug therapy, Drugs, Food additives.

2271-69

P.L.A. (PITUITARY LUTEINIZING HORMONE). DRUGS FOR VETERINARY USE - DRUG EFFICACY STUDY IMPLEMENTATION.

H L Jr. Ley

Fed Regist 34(22):1611-1612

01 Feb 1969 1.1.451

Drugs, Hormones, Iesh, Livestock, Pituitary gland, Veterinary medicine.

2272-69

VETISTAT. DRUGS FOR VETERINARY USE -DRUG EFFICACY STUDY IMPLEMENTATION. H L Jr. Lcy

Fed Regist 34(22):1613 01 Feb 1969 L1.451

Blood coagulation, Hemorrhage, Malonic acid, Oxalic acid, Veterinary medicine.

DISEASES

2273-69

EFFECT OF ARGININE OR SERINE ON THE NEED FOR GLYCINE BY THE CHICK FED AMINO ACID OR CASEIN DIETS.

S S Akrabawi

Diss Abstr Sect B 29(7):2506B

Jan 1969 Z5055.U49D53

Amino acids, Animal nutrition, Animal physiology, Arginine, Cascin, Chicks, Glycine, Proteins, Scrinc, Serine hydroxymcthyltransferase.

MECHANISM OF THE RING FORMING IN THE ABR TEST. (POL)

F Anczykowski

Pol Arch Weter 10(4):661-669 REF

1967 41.8 P76

Agglutination, Brucella, Dairy cattle, Livestock diseases, Milk, Ring test. English and Russian sum-

2275-69

MECHANISM OF THE SEDIMENT FORMING IN THE AGGLUTINATION TEST PERFORMED WITH BRUCELLA ABORTUS SUSPENSION. (POL)

F Anczykowski

Pol Arch Weter 10(4):655-660 REF

1967 41.8 P76

Agglutination test, Brucella abortus, Dairy cattle, Livestock diseases, Sedimentation. English and Russian summaries.

THE GROSS AND MICROSCOPIC CHANGES IN SUBLETHAL STAPHYLOCOCCAL ALPHA-TOXIN PANCREATITIS IN DOGS.

N V M Anderson

Diss Abstr Sect B 29(7):2507B

Jan 1969 Z5055.U49D53

Animal diseases, Dogs, Eosinophils, Lesions, Microscopy, Pancreas, Staphylococcus, Tissue culture, Toxins.

2277-69

MOLDY FEEDS POSE HAZARD.

Anonymous

Michigan Farmer 251(2):16

18 Jan 1969 6 M58

Aflatoxin, Aspergillus fumigatus, Baby pigs, Feed, Livestock diseases, Molds, Sheep.

EQUINE PROTOZOAN DIARRHEA (EQUINE INTESTINAL TRICHOMONIASIS)
TRINIDAD RACETRACKS.

S P Bennett D A Franco

Amer Vet Med Ass J 154(1):58-60

01 Jan 1968 41.8 AM3

Animal diseases, Diarrhea, Disease control, Drug therapy, Epidemiology, Horses, Intestines, Protozoa, Symptomatology, Trichomonas faecalis.

STABILITY OF ESCHERICHIA COLI ENDOTOXIN IN THE RAT GASTROINTESTINAL TRACT.

1 Rerezi

J Pathol Bacteriol 96(2):487-491

Oct 1968 448.8 J82

Animal diseases, Bacteria, Endotoxins, Escherichia coli, Gastrointestinal system, Mouth, Rats, Serological tests.

2280-69

FAILURE OF ORAL ESCHERICHIA COLI EN-DOTOXIN TO INDUCE EITHER SPECIFIC TOLERANCE OR TOXIC SYMPTOMS IN

l Berczi L Bertok K Baintner B Veress J Pathol Bacteriol 96(2):481-486 REF Oct 1968 448.8 J82

Animal diseases, Endotoxins, Escherichia coli, Intestines, Irradiation, Lead acctate, Mouth, Rats, Xravs.

LEUCOSIS IN SWINE AS A FINDING FROM CARCASS INSPECTION. (GE

D Beutling

Monatsh Vet 23(3):92-94 REF

01 Feb 1968 41.8 M742

Bacteria, Carcasses, Leukemia, Livestock diseases, Meat inspection, Swine. English and Russian summaries

APPLICATION OF THE KINETIC SERONEUTRALIZATION TEST TO THE RESEARCH OF RINDERPEST NEUTRALIZING ANTIBODIES IN CATTLE SHEEP AND GOAT. (FR)

P Bourdin G Bernard

Rev Elevage Med Vet Pays Trop 20(4):531-536 REF

1967 41.8 R3262

Antibodies, Cattle, Goats, Rinderpest virus, Serological tests, Sheep. English and Spanish summaries

2283-69

EFFECTS OF WHOLE-BODY IRRADIATION ON BABY PIGS (SUS SCROFA).

M. T. Case

Diss Abstr Sect B 29(7):2251B

Jan 1969 Z5055.U49D53

Animal histology, Baby pigs, Bone marrow, Cobalt isotopes, Dosage, Gamma rays, Lymphocytes, Lymphopenia, Symptomatology, Tissue culture. Xrays.

2284-69

MYCOBACTERIUM BURULI LESIONS IN THE FRUIT BAT WEB.

LC T Church F R Griffin

J Pathol Bacteriol 96(2):508-512 REF

Oct 1968 448.8 J82

Animal diseases, Bacteria, Fruit bats, Mycobacteriu m

OBSERVATIONS ON THE USE OF ANTRYCIDE PROSALT AND THE RESISTANCE OF CATTLE TO TRYPANOSOMIASIS. (FR)

R Cools

Rev Elevage Med Vet Pays Trap 20(4):579-587 MAP REF

1967 41.8 R3262

Blood tests, Cattle, Coumaphos, Drug therapy, Glossina palpalis, Immunization, Livestock diseases, Quinapyramine, Trypanosomiasis. English and Spanish summaries.

2286-69

CONTAGIOUS BOVINE PLEUROPNEUMONIA, ITS TREATMENT AND CONTROL.

C Das

Indian Farming 18(2):40-41

May 1968 22 IN 283

Cattle, Immunization, Infectious diseases, Livestock diseases, Mycoplasma mycoides, Pleuropneumonia, Vaccines.

2287-69

ECZEMA AND LIVER DISEASE IN DOGS (HEPATODERMAL SYNDROME). (GE

H J Ehrlein K Loeffler G Trautwein Kleintier-Praxis 13(5):123-128 REF

Jul 1968 41.8 K67

Dogs, Eczema, Hyperkeratosis, Liver diseases, Symptomatology.

2288-69

TWO CASES OF EPITHELIAL MALIGNANCY IN SALIENTIA.

E Elkan

J Pathal Bacterial 96(2):496-499

Oct 1968 448.8 J82

Adenocarcinoma, Amphibians, Animal diseases, Epithelial tumors, Frogs.

2289-69

MATERIALS ON THE EPIDEMIOLOGY OF TICK-BORNE ENCEPHALITIS IN THE ZONE OF CONSTRUCTION OF SAYANO-SHUSHEN-SKAYA HYDROPOWER STATION. (RUS)

E I Fastovskaya I N Kulvinova M S

Shlyaposhnikov

Med Parazital Parazitarn Bolezni 37(3,MAY-JUN):263-270

1968 448.8 M469

Encephalitis, Epidemiology, Insect control, Insect vectors, Ixodes persulcatus, Ixodides, Serological tests, Serum, Virus diseases (animals). English summary.

2290-69

ENTEROTOXAEMIA: DEADLY DISEASE OF SHEEP.

M S Fayaraman

Indian Farming 18(2):37-38

May 1968 22 IN 283

Clostridium perfringens, Diagnosis, Enterotoxemia, Immunization, Infectious diseases, Livestock diseases, Sheep.

2291-69

INFRARED SPECTOGRAPHY OF MYX-OVIRUSES. (FR)

R Fontanges G Chatot B Chabert A Bonnet M Bornancin

Inst Pasteur Aun 115(1):129-137 REF

Jul 1968 448.3 AN75

Infrared spectra, Myxoviruses, Purification, Spectroscopy. English summary.

2292-69

BIOCHEMISTRY OF FRIEND VIRUS-IN-FECTED CELLS. I. VIRIONSPECIFIC RNA. C K Franker P A Riebeck

Biachem Biophys Res Commun 33(1):80-87

Oct 1968 442.8 B5236

Chromosomes, Extracts, Leukemia, Mice, Molecules, Purification, Radioactivity, Ribonucleic acid, Sedimentation, Spleen, Sucrose, Virucides, Virus diseases (animals):

2293-69

HISTORY AND EPIDEMIOLOGY OF RABIES IN WILDLIFE IN NEW YORK.

M Friend

N Y Fish Game J 15(1):71-97 MAP REF

Jan 1968 410 N48

Epidemiology, History, Livestock diseases, Rabies, Wildlife diseases.

294-69

RESEARCHES CONCERNING THE TOX-OPLASMOSIS IDENTIFICATION AND THE TOXOPLASMIC ABORTION IN THE OVIC CATTLE OF BANAT. (RUM)

N Gluhovschi M Elias M Puca-Ciudin P Costin M Nafornita

Bucharest Inst Agran Timesoara Lucari Stiint 6:311-318

1963 106.4 T48

Abortion, Color, Lesions, Livestock diseases, Sheep, Toxoplasmosis, Zoonoses. English and Russian summary

2295-69

LEPTOSPIRIC ABORTION PATHOGENIA IN SOWS. (RUM)

N Gluhovschi V Topciu S Levin M Stan M Nafornita T Nistor

Bucharest Inst Agran Timesoara Lucari Stiint 6:319-327 REF

1963 106.4 T48

Abortion, Animal breeding, Leptospirosis, Livestock diseases, Swine. English and Russian summary.

2296-69

METABOLIC STUDIES WITH O,O-DIETHYL O-(3,5,6-TRICHLORO-2-PYRIDYL) PHOSPHOROTHIOATE (DURSBAN) INSECTICIDE IN A LACTATING COW.

W H Gutenmann L E Jr. St. John D J Lisk J Agr Faad Chem 16(1, JAN-FEB):45-47 REF 1968 381 J8223

Animal physiology, Dairy cattle, Diethyl 03,5,6-trichloro-2-pyridyl phosphorothioate, 0,0-, Feces, Insecticides, Metabolism, Metabolites, Milk, Research, Urine.

2297-69

MYCOTOXICOSES.

J Harrison

Great Brit NAAS (nat Agr Adv Serv) Quart Rev (78, WINTER): 78-85

1967 241 G796

Fungi, Grain, Human diseases, Livestock diseases, Mycotoxicosis, Penicillium, Poisoning.

Toxic substances formed by many fungi found in grain stored for human and livestock consumption, are identified and fungi suspected of forming such toxins are listed.

2298-69

ATTENUATED INFECTIOUS CANINE HEPATITIS LIVE VIRUS VACCINE AND METHOD OF PRODUCING SAME. PATENT 3,432,391.

M B Hays

Us Patent Office Offic Gaz 860(2):545 11 Mar 1969 156.65 OF2

Animal diseases, Antibodies, Canine hepatitis vaccines, Hepatitis, Kidneys, Methodology, Patents, Tissue culture, Viral vaccines.

2299-69

FATTY TISSUE BIOPSY IN PIGS. (GE)

K Illing

Monatsh Vet 23(3):97-100

01 Feb 1968 41.8 M742

Adipose tissue (animals), Biopsy, Carcasses, Color, Economics, Meat, Smcll, Swine. English and Russian summaries.

2300-69

CYTOCHEMICAL STUDIES ON THE LESION OF EQUINE INFECTIOUS ANEMIA. VII. ESPECIALLY ON THE ENZYME HISTOCHEMISTRY OF RES (RETICULO-ENDOTHELIAL SYSTEM) IN THE LIVER AND SPLEEN.

O Itikawa H Tamate T Hoshino S Yoneya S Yamamoto K Ishida K Goto T Kikuchi S Kusuhara H Sakuma

Tohoku J Agr Res 18(3):185-197 REF

Oct 1967 22.5 T574

Biochemistry, Blood vessels, Enzymes, Equine infectious anemia, Erythrocytes, Histochemistry, Horses, Liver, Reticuloendotheliosis, Spleen, Virus diseases (animals).

2301-69

EXPERIMENTAL PASTEURELLA MULTOCIDA INFECTION IN CHICKENS EXPOSED TO COLD: BIOCHEMICAL AND BACTERIOLOGICAL INVESTIGATIONS. (POL)

T Juszkiewicz

Pol Arch Weter 10(4):615-625 REF

1967 41.8 P76

Bacteriology, Biochemistry, Chickens, Cold, Livestock diseases, Pasteurella multocida, Research. English and Russian summaries.

2302-69

STUDY ON THE INCIDENCE AND ETIOLOGY OF MASTITIS IN SOWS.

D S Kalra

Prag Farming 5(1):95-98 REF

Mar 1968 S19.P8

Epidemiology, Etiology, India, Livestock diseases, Mastitis, Milk analysis, Staphylococcus aureus, Streptococcus agalactiae, Swine, Udders.

2303-6

SALMONELLA SPECIES. FIRST ISOLATIONS, NAMES AND OCCURRENCE. QR82.S27K4. (GE

E Kelterborn

535P THE HAGUE, NETHERLANDS, DR. W. JUNK N.V.

1967

Livestock diseases, Nomenclature, Salmonella, Tables (data), Zoogeography. English title and table of contents included. Text is in German only.

2304-69

PARTEROL, DRUGS FOR VETERINARY USE; DRUG EFFICACY STUDY IMPLEMENTATION. J K Kirk

Fed Regist 34(26):1840

07 Feb 1969 L1.451

Dihydrotachysterol, Drugs, Livestock diseases, Milk fever, Veterinary medicine.

2305-69

PROGESTERONE-ESTRADIOL BENZOATE (HORMONAL IMPLANT), DRUGS FOR VETERINARY USE; DRUG EFFICACY STUDY IMPLEMENTATION.

J K Kirk

Fed Regist 34(36):2517

21 Feb 1969 L1.451

Benzoic acid, Dosage, Drug therapy, Estradiol, Hormones, Implantation, Legislation, Livestock diseases, Progesterone, Veterinary medicine.

2306-69

TESTOSTERONE PROPRIONATE-ESTRADIOL BENZOATE (HORMONAL IMPLANT). DRUGS FOR VETERINARY USE; DRUG EFFICACY STUDY IMPLEMENTATION.

J K Kirk

Fed Regist 34(36):2517

21 Feb 1969 L1.451

Benzoic acid, Cattle, Dosage, Drug therapy, Estradiol, Hormones, Implantation, Legislation, Livestock diseases, Testosterone, Veterinary medicine.

2307-69

THE PATHOGENESIS OF OVINE CONTA-GIOUS ECTHYMA.

J P Kluge

Diss Abstr Sect B 29(7):2509B Jan 1969 Z5055.U49D53

Ecthyma, Electron microscopy, Fluorescence, Hamsters, Histochemistry, Infectious diseases, Lesions, Monkeys, Sheep, Virus diseases (animals).

LIVESTOCK PROTECTION

2308-69

2308-69

STUDIES ON THE TUMOURS OF THE DOMESTIC ANIMALS. I. LYMPHATIC LEU-CAEMIA OF THE SWINE, (JA)

K Kobayashi

Tokyo Soc Vet Zootech Sci J (16):1-5 REF

Mar 1967 41.9 T574

Leukemia, Livestock diseases, Lymphatic system, Neoplasms, Research, Swinc.

STUDIES ON THE TUMOURS OF THE DOMESTIC ANIMALS, II. TUMOURS OF THE

K Kobayashi

Tokyo Soc Vet Zootech Sci J (16):7-13

Mar 1967 41.9 T574

Livestock diseases, Neoplasms, Research, Swine.

METABOLISM OF BLOOD PROTEINS IN HENS DURING NATURAL AND ARTIFICIAL MOULTING. (POL)

H Kraczkowski

Pol Arch Weter 10(4):571-600 REF

1967 41.8 P76

Animal physiology, Blood, Cascin, Chickens, Eggs, lodine, Keratins, Metabolism, Proteins, English and Russian summarics.

INTERRELATIONSHIP OF ANTIBIOTICS AND COCCIDIOSTATS ON THE GROWTH OF WHITE PLYMOUTH ROCK CHICKS.

H Lal O P Verma

Prog Farming 5(1):103-109

Mar 1968 \$19.P8

Animal nutrition, Animal physiology, Antibiotics, Bifuran, Biochemistry, Chicks, Chlortetracycline, Coccidiostats, Feed.

EMBRYOLOGIC DEVELOPMENT OF AN ANOMALY OF OCULAR FUNDUS IN THE COLLIE DOG.

W K Latshaw M Wyman W G Venzke Amer J Vet Res 30(2):211-217 REF

Fcb 1969 41.8 AM3A

Abnormalities, Dogs, Embryos, Eyes, Fetus, Hereditary diseases, Lesions.

F.S.H.-P. (FOLLICLE STIMULATING HOR-MONE-PITUITARY), DRUGS FOR VETERINA-RY USE - DRUG EFFICACY STUDY IMPLE-MENTATION ANNOUNCEMENT,

H L Lev

Fed Regist 34(17):1273

25 Jan 1969 L1.451

Dosage, Drugs, Follicle-stimulating hormone, Hormones, Livestock, Pituitary gland, Veterinary medicine

DR. MAYFIELD ML-23. DRUGS FOR VETERI-NARY USE - DRUG EFFICACY STUDY IMPLE-MENTATION.

H L Jr. Lev

Fed Regist 34(22):1610-1611

01 Fcb 1969 L1.451

Drugs, Livestock diseases, Veterinary medicine.

TYMPANOL. DRUGS FOR VETERINARY USE; DRUG EFFICACY STUDY IMPLEMENTATION. H L Jr. Lcy

Fed Regist 34(24):1739

05 Feb 1969 L1.451

Bloat, Drugs, Polymerization, Ruminants, Silicones, Veterinary medicine.

2316-69

ESTABLISHMENT AND TREATMENT OF CU-TANEOUS CANDIDA ALBICANS INFECTION IN THE RABBIT.

G Maestrone R Semar

Naturwissenschaften 55(2):87-88 REF

Feb 1968 474 N213

Candida albicans, Drug therapy, Fungicides, Fungus diseases (animals), Rabbits, Skin.

LOSS OF SERUM PROTEINS VIA THE INTESTINAL TRACT IN CALVES WITH INFEC-TIOUS DIARRHEA.

C L Marsh C A Mebus N R Underdahl Amer J Vet Res 30(2):163-166 REF

Feb 1969 41.8 AM3A

Cattle, Diarrhea, Electrophoresis, Gastrointestinal system, Immunology, Livestock diseases, Milk, Proteins, Serum, Urinc.

PRESENCE OF ANTIBODIES AGAINST RINDERPEST IN DROMEDARY IN CHAD. (FR.) Y Maurice A Provost C Borredon

Rev Elevage Med Vet Pays Trop 20(4):537-542 REF

1967 41.8 R3262

Antibodics, Camels, Measles virus, Rinderpest virus, Scrological tests. Spanish and English summaries.

2319-69

SEROLOGICAL SURVEY ON THE RICKETT-SIOSES IN DROMEDARY IN CHAD. (FR.)

Y Maurice J F Barcs M Baille Rev Elevage Med Vet Pays Trop 20(4):543-550

MAP REF

1967 41.8 R3262

Agglutination test, Antibodies, Antigens, Camels, Coxiella burnctii, Rickettsial discases, Serological tests, Surveys. English and Spanish summary.

LYMPHOCYTIC THYROIDITIS IN THE DOG. L E Mawdesley-Thomas

J Small Anim Pract 9(11):539-550 REF Nov 1968 41.8 J8292

Animal diseases, Diagnosis, Dogs, Genetics, Lymphatic system, Lymphocytic thyroiditis, Thyroid gland. French and German summaries.

2321-69

IMMUNITY IN EWES RESULTING FROM NATURAL EXPOSURE TO VIBRIO FETUS. W A Mcinershagen F W Frank C V Hulet D A Price

Amer J Vet Res 30(2):203-206

Feb 1969 41.8 AM3A

Abortion, Epizootic diseases, Immunity, Livestock diseases, Pregnancy, Sheep, Vibrio fetus, Vibriosis.

2322-69

AN EXPERIMENTAL STUDY OF THE ALLERGEN-SPECIFIC-ENZYMATIC FACTOR . II. ISOLATION TRIALS OF THE ALLERGEN-SPECIFIC ENZYMATIC FACTOR FROM THE URINE OF RABBITS. (POL)

T Micrzejcwski

Pol Arch Weier 10(4):627-653 REF 1967 41.8 P76

Allergens, Animal physiology, Brucella, Enzymes, Rabbits, Research, Urine. English and Russian summarics.

THE EFFECTS OF MOLDY ALFALFA HAY FEEDING ON RUMEN ACTIVITY, RUMEN PROTOZOA AND DAIRY STEER PERFORMANCE, AND ANALYSIS OF TOXIC SUBSTANCE(S) ASSOCIATED WITH MOLDING. G P Mohanty

Diss Abstr Sect B 29(7):2250B

Jan 1969 Z5055.U49D53

Alfalfa, Animal physiology, Beef cattle. Feed toxicity, Hay, Molds, Protozoa, Rumen.

GASTROINTESTINAL PROTEIN LOSS IN CAT-TLE, A CLINICAL AND PATHOPHYSIOLOGI-CAL STUDY.

K Nielsen

154P REF COPENHAGEN, CARL FR. MORTENSEN 27 Oct 1966 SF851.N5

Animal nutrition, Cattle, Gastrointestinal system. Livestock diseases, Metabolism, Proteins. Danish summary.

2325-69

SALMONELLA INFECTION IN CALVES AND OTHER ANIMALS. II. COMPARISON OF SELECTIVE MEDIA.

P M Nottingham

New Zeal J Agr Res 10(2):210-214 REF

May 1967 23 N4892

Calves, Culture media, Meat, Methodology, Salmonella

STUDIES ON BOVINE TUBERCULOSIS. EFFECTS OF REPEATED TUBERCULATIONS IN INFECTED CATTLE, (JA.)

Tokyo Soc Vet Zootech Sci J (16):68-80 REF Mar 1967 41.9 T574

Cattle, Infectious diseases, Livestock diseases, Research, Tuberculosis.

KINETICS OF VIRAL DEOXYRIBONUCLEIC ACID, PROTEIN, AND INFECTIOUS PARTI-CLE PRODUCTION AND ALTERATIONS IN HOST MACROMOLECULAR SYNTHESES IN EQUINE ABORTION (HERPES) VIRUS-IN-FECTED CELLS.

D J O's8callaghan J M Hydc G A Gentry C C Randall

J Virology 2(8):793-804 REF

Aug 1968 QR360.J6

Abortion. Biochemistry, Cells, Cycloheximide, Deoxyribonucleic acid, Electron microscopy, Herpesviruses, Isotopes, Kinetics, Measurement, Metabolism, Proteins, Synthesis, Tables (data), Tissue culture, Virology, Virus diseases (animals).

MASTITIS: ITS CAUSES AND CURE.

C C Pandurangrao Indian Farming 18(4):43-49

Jul 1968 22 IN283 Dairy cattle, Diagnosis, Drug therapy, Livestock diseases, Mammary glands, Mastitis, Milk.

CONTROL OF RABIES IN WILDLIFE IN NEW YORK. E Parks

N Y Fish Game J 15(1):98-111 MAP

Jan 1968 410 N48 Diethylstilhestrol, Disease control, Rahies, Tetracycline, Traps, Wildlife diseases.

The methods used in New York for controlling rabies are all aimed at reducing the populations of the animal species which carry it, most noteably, the foxes. Trapping and killing the animals, making baits with tetracycline poisoning, and setting baits with diethylstillestrol to inhibit reproduction are the specific methods employed.

2330-69

EXPERIMENTS FOR LIQUIDATING ABORTIONS IN EWES ON SHEEP FARMS WITH ABORTIONS. (BU)

D Pishev K Nedyalkov S Georgiev P Semov Vet Med Nauk 5(6):49-53 REF

1968 41.8 V6468

Abortion, Dosage, Drug therapy, Livestock diseases, Salmonellosis, Sheep, Streptomycin. English and Russian summaries.

RESEARCH ON DISEASES OF POULTRY.

B S Pomerov

Minn Sci 25(1.FALL):13-14

1968 100 M668

Air saculitis, Blue comh, Economies, Paracolohactrum arizonae, Poultry diseases, Research, Salmonella.

AFLATOXIN METABOLISM BY LIVER MICROSOMAL PREPARATIONS OF TWO DIF-FERENT SPECIES.

R S Portman K M Plowman T C Campbell Biochem Biophys Res Commun 33(5):711-715 09 Dec 1968 442.8 B5236

Aflatoxin, Aspergillus flavus, Biochemistry, Careinogens, Laboratory animals, Liver, Metabolism, Mice, Microsomes, Toxicology.

MYCOPLASMA INFECTION IN A WISCONSIN DAIRY HERD.

V P Rastas S M Johnston Amer Vet Med Ass J 154(1):61 01 Jan 1969 41.8 AM3

Dairy eattle, Livestock diseases, Mastitis, Milk analysis, Mycoplasma, Symptomatology.

RESEARCH ON THE RELATIONSHIP BETWEEN THE TUMOR CAUSING VIRUS OF THE QUAIL AND THE ROUS SARCOMA RELATIONSHIP VIRUS. (FR)

Y de Ratuld G H Werner

Inst Pasteur Ann 115(1):122-128 Jul 1968 448.3 AN75

Chieks, Leukosis, Neoplasms, Poultry diseases, Quail, Rous sareoma, Virus diseases (animals). English summary.

2335-69

PULMONARY DISEASES OF PIG MADAGASCAR. (FR)

J J Ribot M Razafindratsita

Rev Elevage Med Vet Pays Trop 20(4):551-556

1967 41.8 R3262

Baby pigs, Diet, Escherichia eoli, Humidity, Klebsiella pneumoniae, Lungs, Parasitism, Pasteurella multocida, Pseudomonas aeruginosa, Respiratory diseases, Swine. Spanish and English summaries.

PATHOLOGIC RESPONSES OF THE MATURE AND DEVELOPING NERVOUS SYSTEM TO BLUETONGUE VIRUS.

W P C Riehards

Diss Abstr Sect B 29(3):1074B-1075B

Sep 1968 Z5055.U49D53

Bluetongue, Diagnosis, Fetus, Immunology, Mice, Mortality, Nervous system, Research, Sheep, Virus diseases (animals).

A MODIFIED MIXED HEMADSORPTION TEST AND ITS APPLICATION IN THE STUDY OF THE AVIAN LEUKOSIS-SARCOMA VIRUSES. C R Rossi

Diss Abstr Sect B 29(7):2553B Jan 1969 Z5055.U49D53

Antigens, Avian leukosis complex viruses, Chick embryos, Hemadsorption tests, Rous sarcoma virus, Virology, Virus diseases (animals).

2338-69

SEROLOGICAL DIFFERENTI MYCOPLASMA IN SWINE. (GE) DIFFERENTIATION OF

D Schimmel T Hubrig

Monatsh Vet 23(3):89-92

01 Feb 1968 41.8 M742

Agglutination, Livestock diseases, Mycoplasma, Serological tests, Swine. English and Russian sum-

EXPERIENCE OBTAINED FROM THE USE OF FORMOL-ADSORBAT VACCINES AGAINST SALMONELLA CHOLERAE-SUIS IN PIG STOCKS. (GE)

D Sehmidt E Wittmann

Monatsh Vet 23(3):86-89 REF

01 Feb 1968 41.8 M742

Adsorption, Formaldehyde, Immunization, Livestock diseases, Salmonella eholeraesuis, Sal-monellosis, Swine, Vaccines. English and Russian summaries.

EFFECT OF THIABENDAZOLE ON PITHO-MYCES CHARTARUM (BERK. CURT.) M. B. ELLIS.

D P Sinelair M W Howe

New Zeal J Agr Res 11(1):59-62

Feb 1968 23 N4892

Cattle, Drug therapy, Liver diseases, Myeosis, Pithomyees chartarum, Sheep, Thiazolyl)-benzimidizole, 2-(4-.

THE INFLUENCE OF VARYING DIETARY LEVELS OF MAGNESIUM, CALCIUM AND VITAMIN D ON MAGNESIUM METABOLISM.

Diss Abstr Sect B 29(7):250/B

Jan 1969 Z5055.U49D53

Absorption, Animal nutrition, Calcium, Magnesium. Metabolism, Spectroscopy, Vitamin d.

HEMANGIOSARCOMA IN A DOG.

L J Slaughter L Herman

Amer Vet Med Ass J 154(1):17-21

01 Jan 1969 41.8 AM3

Animal diseases, Diagnosis, Dogs, Neoplasms, Sarcoma, Symptomatology.

COCCIDIOSIS IN WILD RABBITS, ORYCTOLAGUS CUNICULUS (L.), AT FOUR SITES IN DIFFERENT CLIMATIC REGIONS IN EAST-ERN AUSTRALIA. I. RELATIONSHIP WITH THE AGE OF THE RABBIT.

Australian J Zool 16(1):69-85 REF

Feb 1968 410 AU73

Aging, Coccidiosis, Eimeria, Rabbits.

An inverse correlation seems to exist between age of the rabbits tested and the intensity of Eimeria infeetions. The climatic habitat also seemed to effect the severity of eoecidiosis.

CYTOLOGY OF PINK-EYE OF SHEEP, IN-CLUDING A REFERENCE TO TRACHOMA OF MAN, BY EMPLOYING ACRIDINE ORANGE AND IODINE STAINS, AND ISOLATION OF MYCOPLASMA AGENTS FROM INFECTED SHEEP EYES.

P G Surman

Australian J Biol Sci 21(3):447-467 REF

Jun 1968 442.8 AU72

Conjunctivitis, Cytology, Human diseases, Myeoplasma, Sheep, Traehoma.

2345-69

COENZYME Q10 IN BRUCELLA ABORTUS BANG. (GE)

O W Thiele K Hoffmann

Naturwissenschaften 55(2):86

Feb 1968 474 N213

Biochemistry, Brucella abortus, Enzymes, Lipids, Ubiquinones.

The discovery of the coenzyme Q, an ubiquinone in Brucella abortus is discussed. The lipid content of B, abortus is compared with Agrobacterium tumefaseiens and Pseudomonas denitrificans.

2346-69

A NEPHROTOXIN FROM ASPERGILLUS FU-MIGATUS AND ITS POSSIBLE RELATIONSHIP WITH NEW ZEALAND MUCOSAL DISEASE-LIKE SYNDROME IN CATTLE.

R H Thornton G Shirley R M Salisbury New Zeal J Agr Res 11(1):1-14 REF

Feb 1968 23 N4892

Aspergillus fumigatus, Cattle, Fungi, Fungus diseases (animals), Lesions, Mycelium, Mycotoxico-

EPERYTHROZOON TUOMII, SP. N. (RICKETT-SIALES) THIRD SPECIES EPERYTHROZOON IN CATTIMALAGASY REPUBLIC. (FR) CATTLE

G Vilenberg

Rev Elevoge Med Vet Pays Trop 20(4):563-569

1967 41.8 R3262

Eperythrozoonosis, Eperythrozoon tuomii. Livestock diseases, Rickettsial diseases, Splenectomy. Spanish and English summaries.

TRANSMISSION OF EQUINE SARCOID.

J L Voss

Amer J Vet Res 30(2):183-191 REF

Feb 1969 41.8 AM3A

Animal diseases, Animal histology, Disease transmission, Horses, Neoplasms, Sarcoma, Tissues, Transplanting.

2349-69

OCCURRENCE OF A SKIN RESPONSE TO IN-TRACUTANEOUS INJECTION OF ADRENALINE AS A METHOD TO DETECT THE EFFECTS OF ENDOTOXINES IN PIG OR-GANISM. (GE)

W Wachtel L Lyhs

Monatsh Vet 23(3):94-96 REF

01 Feb 1968 41.8 M742

Edema disease, Epinephrine, Escherichia coli, Injections, Livestock diseases, Skin, Swine, Toxins. English and Russian summaries.

THE PATHOGENESIS OF EXPERIMENTAL DISTEMPER IN MICE.

B C Ward

Diss Abstr Sect B 29(3):1075B-1076B

Sep 1968 Z5055.U49D53

Animal histology, Antibodies, Canine distemper, Encephalitis, Fluorescent antibody technic, Laboratory animals, Miee, Virus diseases (animals).

2351-69

INFECTIOUS PERITONITIS IN CATS.

B C Ward N Pederson

Amer Vet Med Ass J 154(1):26-35

01 Jan 1969 41.8 AM3

Animal diseases, Cats, Epidemiology, Infectious diseases, Peritonitis, Symptomatology.

EFFECTS OF DDT ON BRAIN ELECTRICAL ACTIVITY IN AWAKE, UNRESTRAINED RATS

D E Woolley B A Barron

Toxicol Appl Phormacol 12(3):440-454 REF May 1968 391.8 T662

Brain, DDT, Dosage, Electrodes, Electrophysiology, Laboratory animals, Rats, Symptomatology.

ARTHROPODS

2353-69

ASSOCIATION BETWEEN SERUM AMYLASE PHENOTYPE AND TICK INFESTA-TION IN CATTLE.

G C Ashton G W Seifert J Francis Australion J Biol Sci 21(2):303-308

Apr 1968 442.8 AU72

Amylases, Blood tests, Boophilus microplus, Cattle. Insect infestation.

2354-69

ERADICATION EFFORTS AGAINST TROPI-CAL BONT TICK, AMBLYOMMA VARIEGATUM IN THE VIRGIN ISLANDS. J L Hourrigan R K Strickland O L Kelsey B E

Knisely C Č Crago

Amer Vet Med Ass J 154(5):540-545 01 Mar 1969 41.8 AM3

Amblyomma variegatum, Carbaryl, Chemical control (insects), Coumaphos, Dipping, Insect vectors, Livestock, Rickettsia, Spraying.

The three-host tick Amblyomma variegatum was identified in the Virgin Islands and since it is a vector of the heart water disease agent, Rickettsia ruminatum, efforts were made to eradicate it by dipping livestoek in coumaphos and spraying localized areas with carbaryl.

LIVESTOCK PROTECTION

2355-69

INSECTICIDAL DRUG CONTAINING LIN-DANE. DRUGS FOR VETERINARY USE; DRUG EFFICACY STUDY IMPLEMENTATION AN-NOUNCEMENT.

H L Jr. Ley

Fed Regist 34(25):1783

06 Feb 1969 L1.451

Cochliomyia hominivorax, Dosage, Drugs, Insecticides, Lindane, Livestock, Maggots, Parasitism, Veterinary medicine.

2356-69

ARTHROPOD PARASITES ON THE STARLING, STURNUS VULGARIS L., IN SOUTHWEST VIRGINIA.

W G Mitchell E C Turner

J Econ Eutomol 62(1):195-197

17 Feb 1969 421 J822

Arthropoda, Birds, Parasitism.

2357-69

BATS IN CALIFORNIA.

K F Murray

Calif Vector Views 15(10):109-114

Oct 1968 449.8 C12

Animal taxonomy, Animal vectors, Bats, Biology, Pest control, Rabies.

2358-69

CONTROL OF THE NORTHERN FOWL MITE ON LAYING HENS WITH SHELL SD-8447.

C B Nelson E L Bramhall W V Miller H G Simkover

J Econ Entomol 62(1):47-49

17 Feb 1969 421 J822

Chemical control (insects), Chickens, Chloro-1-(2,4,5-trichlorophenyl) vinyl dimethyl phosphate,2-, Dusting, Insect pests, Insecticide application, Mites, Ornithonyssus sylviarum, Spraying.

PARASITES

2359-69

A STUDY OF IMMUNOLOGICAL REACTIONS IN BOVINE FASCIOLOIDIASIS (FASCIOLOIDES MAGNA).

R R Bell

Diss Abstr Sect B 29(7):2676B

Jan 1969 Z5055.U49D53

Antigens, Calves, Cattle, Fascioloides magna, Immunology, Livestock diseases, Parasites, Serum.

2360-69

CONCERNING THE LARVA MIGRANS VISCERALIS OF ASCARIS LUMBRICOIDES IN THE EXPERIMENTAL HOST (MICE). (GE)

M Buske H Engelbrecht

Z Parasitenk 30(4):337-346 REF

26 Jul 1968 442.8 Z33F

Ascaris lumbricoides, Larvae, Liver, Lungs, Mice, Parasitism. English summary.

2361-69

LIVER-FLUKE IN MADAGASCAR. BIOLOGICAL CYCLE OF FASCIOLA GIGANTICA. (FR) P Daynes

Rev Elevage Med Vet Pays Trop 20(4):557-562 REF

1967 41.8 R3262

Aquatic animals, Fasciola gigantica, Fascioliasis, Goats, Parasitism, Ruminants, Sheep, Snails, Zebu cattle. Spanish and English summaries.

2362-69

NOTICE OF FILING OF PETITION FOR FOOD ADDITIVES DIETHYLCARBAMAZINE, STYRYLPYRIDINIUM CHLORIDE.

R E Duggan

Fed Regist 34(10):566

15 Jan 1969 L1.451

Ancylostomatidae, Chlorides, Diethylcarbamazine, Dogs, Drug therapy, Food additives, Parasitism. 2363-69

TOXOPLASMA GONDII IN TISSUE CULTURE AND MAINTENANCE AT LOW TEMPERATURES.

P Franchi E E A Hahn

Z Parasitenk 30(4):360-367 REF

26 Jul 1968 442.8 Z33F

Kidneys, Laboratory animals, Monkeys, Parasitism, Rabbits, Swine, Temperature, Tissue culture, Toxoplasma gondii.

2364-69

HYGROMIX (HYGROMYCIN B). DRUGS FOR VETERINARY USE; DRUG EFFICACY STUDY IMPLEMENTATION.

H L Lev

Fed Regist 34(36):2516-2517

21 Feb 1969 L1.451

Anthelmintics, Ascaridia galli, Ascaris, Dosage, Drug therapy, Heterakis gallinarum, Hygromycin B. Legislation, Livestock, Oesophagostomum, Trichuris, Veterinary medicine.

2365-69

AH-NBC CAPSULES. DRUGS FOR VETERINARY USE; DRUG EFFICACY STUDY IMPLEMENTATION.

H L Jr Ley

Fed Regist 34(24):1738

05 Feb 1969 L1.451

Ancylostomatidae, Arecoline, Ascaris, Bromides, Chlorides, Dogs, Dosage, Drugs, Parasitism, Taenia, Veterinary medicine.

2366-69

DR. MAYFIELD LARGE ROUNDWORM TABLETS. DRUGS FOR VETERINARY USE; DRUG EFFICACY STUDY IMPLEMENTATION.

H L Jr. Ley

Fed Regist 34(24):1738

05 Feb 1969 L1.451

Ascaris, Drugs, Livestock, Parasitism, Potassium tartrate, Veterinary medicine.

2367-69

DIZAN POWDER AND TABLETS. DRUGS FOR VETERINARY USE; DRUG EFFICACY STUDY IMPLEMENTATION ANNOUNCEMENT.

H L Jr. Ley

Fed Regist 34(25):1783

06 Feb 1969 L1.451

Ancylostomatidae, Ascaris, Dirofilaria immitis, Dithiazanine iodide, Dogs, Dosage, Drugs, Parasitism, Strongyloides, Trichuris, Veterinary medicine.

2368-69

CADMIUM SALTS. DRUGS FOR VETERINARY USE - DRUG EFFICACY STUDY IMPLEMENTATION.

H L Jr. Ley

Fed Regist 34(22):1609

01 Feb 1969 L1.451

Ascaris lumbricoides, Cadmium, Drugs, Parasitism, Salts, Swine, Veterinary medicine.

2369-69

CAPARSOLATE SODIUM. DRUGS FOR VETERINARY USE - DRUG EFFICACY STUDY IMPLEMENTATION.

H L Jr. Ley

Fed Regist 34(22):1610

01 Feb 1969 L1.451

Dirofilaria immitis, Dogs, Drugs, Parasitism, Sodium, Veterinary medicine.

2370-69

D.N.P. DISOPHENOL. DRUGS FOR VETERINARY USE - DRUG EFFICACY STUDY IMPLEMENTATION.

MENTATIO H L Jr. Ley

Fed Regist 34(22):1610

01 Feb 1969 L1.451

Ancylostomatidae, Disophenol, Dogs, Drugs, Parasitism, Veterinary medicine.

2371-69

VERMIPLEX CAPSULES. DRUGS FOR VETERINARY USE - DRUG EFFICACY STUDY IMPLEMENTATION.

H L Jr. Ley

Fed Regist 34(22):1612-1613

01 Feb 1969 L1.451

Ancylostomatidae, Ascaris, Benzene, Cats, Cestoda, Dogs, Parasitism, Veterinary medicine.

2372-69

VERMEX POULTRY TABLETS AND VERMEX POWDER. DRUGS FOR VETERINARY USE - DRUG EFFICACY STUDY IMPLEMENTATION.

H L Jr. Ley

Fed Regist 34(22):1612

01 Feb 1969 L1.451

Anthelmintics, Dichlorophene, Drugs, Parasitism, Phenothiazine, Piperazine, Poultry, Veterinary medicine.

2373-69

PSEUDOHOOKWORM INFECTION TRICHOSTRONGYLIASIS. TREATMENT
WITH THIABENDAZOLE. (ABSTRACT).

E K Markell

Excerpta Med Pharm Toxicol 21(12):599

Dec 1968 241.64 EX23

Antibiotics, Nematodes, Parasitism, Thiazolyl)-benzimidizole, 2-(4-, Trichostrongylosis. From New England Journal of Medicine. 1968, 278/15 (831-832).

2374-69

THE EFFECT OF TETRAMISOLE ON MUEL-LERIUS CAPILLARIS IN GOATS. (SW.)

O Nilsson L Sorelius

Nord Veterinaermed 20(9):495-498

Sep 1968 41.8 N813

Anthelmintics, Autopsies, Goats, Larvae, Muellerius capillaris, Nematodes, Tetramisole. German and English summaries.

2375-69

EXPERIMENTAL INVESTIGATION INTO THE PHYSIOLOGICAL CHANGE IN COLOR OF HIRUDINEA. (GE)

G Reim

Zool Jahrbucher Abt Allg Zool Physiol Tiere 74(2):198-232 REF 1968 410 Z751Z

Chromatophores, Hirudinea, Physiology, Pigments.

2376-69

SPARGANOSIS IN A CAT,

R E Schmidt J S Reid F M Garner J Small Anim Pract 9(11):551-553 REF

Nov 1968 41.8 J8292

Cats, Cestoda, Parasitism, Pseudophyllidea, Sparganosis. French and German summaries.

2377-69

THE EFFECT OF DIMETHIALIUM ON EX-PERIMENTAL CHICKEN COCCIDOSIS. (JA) M Taniguchi K Nomata S Takagi K Ishikawa Y

Kamizato T Kagawa Tokyo Soc Vet Zootech Sci J (16):55-67 REF

Mar 1967 41.9 T574

Chickens, Coccidiosis, Dimethyalium, Drug therapy, Livestock diseases, Parasitism, Poultry diseases.

2378-69

IMMUNOLOGICAL STUDIES ON EXPERIMENTAL ASCARIASIS.

J F Williams

Diss Abstr Sect B 29(7):2555B

Jan 1969 Z5055.U49D53

Antigens, Ascaris lumbricoides suum, Hemagglutination, Immunology, Laboratory animals, Larvae, Mice, Nematodes, Parasites, Toxascaris leonina, Toxocara canis.

COMMODITY PROTECTION

2379-69

COMPARATIVE REVIEW OF BHC DUST AND MALATHION EMULSION AS AGENTS FOR DISINFESTATION ON THE BASIS OF PAST EXPERIENCE.

A K Bose

Bull Grain Technol 1(1/4,MAR-DEC):24-29 1963 TS2120.B8

Antiseptics, Benzene hexachloride, Chemical control (insects), Dusting, Food storage, Fumigation, Grain, Insect control, Malathion, Mortality, Temperature.

STORAGE DISEASES

2380-69

INFLUENCE OF MOISTURE CONTENT, TEM-PERATURE, AND TIME OF STORAGE UPON INVASION OF ROUGH RICE BY STORAGE FUNGI.

C M Christensen

Phytopathology 59(2):145-148

Feb 1969 464.8 P56

Aspergillus candidus, Aspergillus flavus, Aspergillus glaucus, Aspergillus oryzae, Fungus diseases (plants), Humidity, Penicillium, Rice, Storage diseases, Temperature, Time.

2381-69

THE EFFECT OF MOLDS ON THE ENZYMIC ACIVITY, RESPIRATION AND VIABILITY OF STORED GRAIN. (RUS)

L S Lvova

Priklad Biokhim Mikrobiol Akad Nauk SSSR 4(2,MAR-APR):218-222 REF 1968 385 P93

1968 385 P93

Aspergillus amstelodami, Aspergillus repens, Enzymes, Grain, Microorganisms, Molds, Penicillium, Respiration, Stored products. English summary.

ARTHROPODS

2382-69

CAMPAIGN AGAINST STORED GRAIN PESTS IN VILLAGES OF IADP DISTRICT LUDHIANA. H N Batra

Plant Protect Bull 19(3):21-25

1967 421 P69

Chemical control (pests), Food moisture, Grain, Insect pests, Malathion, Pest control, Storage injuries

2383-69

THE TERMITES OF PARIS. (FR.)

M De Feytaud

Paris Acad Agr France Compt Rend Hebd Seances 54(10):832-844

03 Jul 1968 14 P215BC

Food habits, Habitats, Insect behavior, Insect geography, Termites.

2384-69

A NEW SIMPLE METHOD FOR PROTECTING RICE AGAINST RICE WEEVIL (SITOPHILUS ORYZAE).

A Ehsan

Pakistan J Sci Indus Res 11(2):218

Apr 1968 475 P174

Attractants, Rice, Sitophilus oryzae, Storage diseases.

The use of barkayan or eucalyptus tree bark for protection of polished rice from the rice weevil is discussed. It was found that twenty-four hours after inserting a piece of bark in a bag of rice that the weevils would cease feeding in the rice and could be found in the bark. The bark could then be removed, cleaned and reinserted into the bag.

ENVIRONMENTAL CONTAMINATION

2385-69

SIGNS OF WATER POLLUTION IN THE RIVIERE DES PRAIRIES, (FR.)

G Vaillancourt

Natur Can 95(4,JUL-AUG):979-1029 MAP REF 1968 410 N216

Hydrogen-ion concentration, Oxygen, Water analysis, Water pollution. English summary.

RESIDUES

2386-69

SEVERAL FACTORS AFFECTING ADSORPTION OF ATRAZINE AND DIPHENAMID BY SOILS.

R A Ashley

Diss Abstr Sect B 29(7):2259B-2260B

Jan 1969 Z5055.U49D53

Atrazine, Chromatography, Diphenamid, Herbicides, Phytotoxicity, Soil adsorption, Soil analysis, Spectroscopy.

2387-69

AIR POLLUTION DAMAGE CHRYSANTHEMUM FOLIAGE.

E Brennan I A Leone

Plant Dis Rep 53(1):54-55

Jan 1969 1.9 P69P

Air pollution, Chrysanthemum, Crop varieties, Greenhouse culture, Peroxyacetyl nitrate, Plant injuries, Plant physiology, Residues, Symptomatology.

2388-69

OXIDATIVE METABOLISM OF PHOSPHAMIDON IN RATS AND A GOAT.

G P Clemons R E Menzer

J Agr Food Chem 16(2,MAR-APR):312-318 REF 1968 381 J8223

Animal physiology, Goats, Insecticides, Metabolism, Milk, Oxidation, Pesticide residues, Phosphamidon, Rats, Urine.

2389-69

TOLERANCES AND EXEMPTIONS FROM TOLERANCES FOR PESTICIDE CHEMICALS IN OR ON RAW AGRICULTURAL COMMODITIES. MISCELLANEOUS AMENDMENTS.

R E Duggan

Fed Regist 33(243):18578

14 Dec 1968 L1.451

Agricultural products, Chemicals, Legislation, Pesticide residues, Tolerances.

2390-69

NOTICE OF FILING OF PETITION REGARDING PESTICIDE CHEMICALS.

R E Duggan

Fed Regist 34(60):5857

28 Mar 1969 L1.451

Agricultural products, Chromatography, Hops, Insecticide residues, Insecticides, Phorate, Tolerances.

2391-69

NOTICE OF FILING OF PETITION REGARDING PESTICIDE CHEMICALS.

R E Duggan

Fed Regist 34(17):1274

25 Jan 1969 L1.451

Agricultural products, Chemicals, Grapes, Herbicides, Hops, Pesticide residues, Root crops, Trifluralin.

2392-69

NOTICE OF FILING OF PETITION REGARDING PESTICIDE CHEMICALS.

R E Duggan

Fed Regist 34(17):1274-1275

25 Jan 1969 L1.451

Aldrin, Cattle, Chemicals, Chromatography, Dieldrin, Goats, Horses, Insecticides, Meat, Pesticide residues, Sheep, Swine.

2393-69

NOTICE OF FILING OF PETITION REGARDING PESTICIDE CHEMICALS.

R E Duggan

Fed Regist 34(17):1274

25 Jan 1969 L1.451

Cattle, Chemicals, Ciodrin, Dimethyl phosphate, Goats, Insecticides, Meat, Milk, Pesticide residues, Sheep, Swine.

2394-69

NOTICE OF WITHDRAWAL OF PETITION REGARDING PESTICIDES.

R E Duggan

Fed Regist 34(24):1739

05 Feb 1969 L1.451

Dalapon, Herbicides, Lemons, Pesticide residues, Salts, Sodium.

2395-69

NOTICE OF FILING OF PETITION REGARD-ING PESTICIDE CHEMICALS.

R E Duggan

Fed Regist 34(24):1739-1740

05 Feb 1969 L1.451

Chemicals, Corn, Eggs, Herbicides, Livestock, Meat, Pesticide residues, Poultry, Trichlorobenzyl chloride.

2396-69

TO

NOTICE OF FILING OF PETITIONS REGARD-ING PESTICIDE CHEMICALS AND FOOD AD-DITIVES.

R E Duggan

Fed Regist 34(10):566

15 Jan 1969 L1.451

Chemicals, Cottonseed, Food additives, Insecticides, Peanuts, Pesticide residues, Regulation (pesticides), Soybeans.

2397-69

BIOCHEMICAL TRANSFORMATIONS OF PESTICIDES BY SOIL MICRO-ORGANISMS.

W C Evans

Biochem J 109(2):3P Sep 1968 382 B52

Biochemistry, Chemicals, Pesticide residues, Pesticides, Soil microorganisms. Proceeding from 483rd meeting of Biochemical Society held on June 20-22 at Univ. Coll. of North Wales, Bangor.

2398-69

REMOVAL OF DDT, MALATHION, AND CARBARYL FROM TOMATOES BY COMMERCIAL AND HOME PREPARATIVE METHODS.

R P Farrow F C Lamb R W Cook J R Kimball E R Elkins

J Agr Food Chem 16(1,JAN-FEB):65-71 REF 1968 381 J8223

Carbaryl, DDT, Food processing, Malathion, Methodology, Pesticide residues, Tomatoes.

2399-69

BROMIDE RESIDUES FROM METHYL BROMIDE FUMIGATION OF FOOD COMMODI-

M E Getzendaner A E Doty E L McLaughlin D L Lindgren

J Agr Food Chem 16(2,MAR-APR):265-271 REF 1968 381 J8223

Bromides, Fluorescence, Food, Food analysis, Fumigants, Methyl bromide, Pesticide residues.

2400-6

DEGRADATION OF DDT IN ATLANTIC SAL-MON (SAŁMO SALAR).

G L Greer U Paim

Can Fish Res Board J 25(11):2321-2326 REF

Nov 1968 442.9 C16J

Biochemistry, Chemical reactions, Chromatography, Degradation, Dichloro-2,2-bis(p-chlorophenyl) ethylene, 1,1-, DDT, Insecticides, Metabolites, Residues, Salmon, Toxicology.

RESIDUES

2401-69

2401-69

OF THIN-LAYER CHROMATOGRAPHY BROMACIL RESIDUES IN SOILS.

D J Hamilton

J Agr Food Chem 16(1,JAN-FEB):142-143

1968 381 J8223

Bromacil, Chromatography, Irradiation, Pesticide residues, Silver nitrate, Soils, Spraying, Ultraviolet

2402-69

THE EFFECT OF EVEN OR UNEVEN APPLI-CATIONS OF DDT PRILLS TO PASTURE ON DDT RESIDUES IN STOCK.

D L Harrison V Shanks

New Zeal J Agr Res 10(2):253-260

May 1967 23 N4892

Biochemistry, Biological assay, Cattle, DDT, Insecticide residues, Sheep.

DDT residues were measured in sheep fat and cow milk from animals grazing on evenly and unevenly treated pastures. The results indicated that random grazing occurred on the unevenly treated pastures.

2403-69

RESIDUES IN PASTURE FOLLOWING APPLI-CATION OF A GRANULAR HEPTACHLOR PREPARATION.

J T Hughes P G Fenemore

New Zeal J Agr Res 10(2):261-271 REF

May 1967 23 N4892

Chemical control (insects), Heptachlor, Pestieide residues

2404-69

EFFECTS OF ISOBENZAN ON SOIL FAUNA AND SOIL STRUCTURE.

J M Kelsey E Z Arlidge

New Zeal J Agr Res 11(2):245-260 REF

May 1968 23 N4892

Isobenzan, Pestieide residues, Soil contamination, Soil fauna, Soil structure, Soil-plant-animal relations.

Isobenzan was found to have a residue still evident four years after its application which drastically reduced the soil fauna, except nematodes, retarded plant growth, and reduced the soil's ability to absorb and retain moisture.

SUCCINIC ACID 2,2-DIMETHYLHYDRAZIDE. NOTICE OF EXTENSION OF TEMPORARY TOLERANCE.

J K Kirk

Fed Regist 34(59, PT 1):5753

27 Mar 1969 L1.451

Agricultural legislation, Growth factors, Peanuts, Plant regulators, Residues, Succinic acid, 2,2-dimethylhydrazide, Tolerances.

2406-69

TOLERANCES AND EXEMPTIONS FROM TOLERANCES FOR PESTICIDE CHEMICALS IN OR ON RAW AGRICULTURAL COMMODITIES. COORDINATION PRODUCT OF ZINC ION AND MANEB.

J K Kirk

Fed Regist 34(57):5601

25 Mar 1969 L1.451

Agricultural products, Fungicides, Ions, Maneb, Pesticide residues, Pesticides, Tolerances, Zinc.

FOOD ADDITIVES PERMITTED IN FOOD FOR HUMAN CONSUMPTION. TYLOSIN.

J K Kirk

Fed Regist 34(61):5929-5930

29 Mar 1969 L1.451

Animal diseases, Food additives, Food consumption, Mycoplasma gallisepticum, Residues, Respiratory diseases, Tylosin.

TOLERANCES AND EXEMPTIONS FROM TOLERANCES FOR PESTICIDE CHEMICALS IN OR ON RAW AGRICULTURAL COMMODITIES. ENDOSULFAN,

J K Kirk

Fed Regist 34(36):2501

21 Feb 1969 L1.451

Agricultural products, Endosulfan, Food analysis, Legislation, Pesticide residues, Public health, Tolcrances.

2409-69

FOOD ADDITIVES PERMITTED IN FEED AND DRINKING WATER OF ANIMALS OR FOR THE TREATMENT OF FOOD-PRODUCING ANIMALS, THIABENDAZOLE.

J.K. Kirk

Fed Regist 34(29,PT1):2021

12 Fcb 1969 L1.451

Chemicals, Citrus, Fungicides, Fungus diseases (plants), Pesticide residues, Thiazolyl)benzimidizole, 2-(4-.

2410-69

NOTICE OF FILING OF PETITION REGARD-ING PESTICIDE CHEMICALS.

J K Kirk

Fed Regist 34(36):2518-2519

21 Feb 1969 L1.451

Agricultural products, Boron, Cottonseed, Defoliants, Herbicides, Legislation, Pesticide residues, Sodium borate, Toleranees.

NOTICE OF FILING OF PETITION REGARD-ING PESTICIDE CHEMICALS.

J K Kirk

Fed Regist 34(36):2518

21 Fcb 1969 L1.451

Agricultural products, Chemical control (weeds), Dichlorophenyl p-nitrophenyl ether, 2,4-, Herbicides, Legislation, Pesticide residues, Vegetables.

2412-69

NOTICE OF FILING OF PETITION REGARD-ING PESTICIDE CHEMICALS.

Fed Regist 34(36):2518

21 Feb 1969 L1.451

Agricultural products, Allethrin, Chemical control (insects), Fruit, Insecticides, Legislation, Pesticide residues, Tolerances.

2413.69

NOTICE OF FILING OF PETITION REGARD-ING PESTICIDE CHEMICALS.

J K Kirk

Fed Regist 34(36):2518

21 Feb 1969 L1.451

Chemical control (weeds), Cottonseed, Herbicides, Legislation, Pesticide residues.

NOTICE OF FILING OF PETITION REGARD-ING PESTICIDE CHEMICALS.

I K Kirk

Fed Regist 34(36):2518

21 Fcb 1969 L1.451

Fats, Goats, Insecticides, Legislation, Metaholites, Pesticide residues, Ronnel, Sheep.

2415-69

TOLERANCES AND EXEMPTIONS FROM TOLERANCES FOR PESTICIDE CHEMICALS IN OR ON RAW AGRICULTURAL COMMODI-TIES. DIPHENAMID.

J.K. Kirk

Fed Regist 34(28,PT 1):1946

11 Feb 1969 L1.451

Chemical control (weeds). Chemicals. Diphenamid, Herbieides, Metaholites, Pesticide residues, Vegetables.

TOLERANCES AND EXEMPTIONS FROM TOLERANCES FOR PESTICIDE CHEMICALS IN OR ON RAW AGRICULTURAL COMMODI-O-ETHYL S-PHENYL ETHYLPHOSPHONODITHIOATE.

J K Kirk

Fed Regist 34(22):1589

01 Feb 1969 L1.451

Agricultural products, Chemicals, Ethyl S-phenyl ethylphosphonodithioate, O-, Insecticides, Pesticide residues, Regulation (pesticides), Tolerances, Vegetables.

2417-69

TOLERANCES AND EXEMPTIONS FROM TOLERANCES FOR PESTICIDE CHEMICALS IN OR ON RAW AGRICULTURAL COMMODI-TIES. THIRAM.

J K Kirk

Fed Regist 34(19):1379

29 Jan 1969 L1.451

Agricultural products, Bananas, Chemicals, Pesticide residues, Thiram.

2418-69

BEHAVIOR OF DDT IN POTATOES DURING COMMERCIAL AND HOME PREPARATION. F C Lamb R P Farrow E R Elkins R W Cook J R

Kimball J Agr Food Chem 16(2,MAR-APR):272-275 REF 1968 381 J8223

Dichloro-2,2-bis(p-chlorophenyl) ethylene, 1,1-, DDT, Food processing, Insecticides, Pesticide residues, Potatocs.

2419-69

USE OF CARBON TO REDUCE UPTAKE OF INSECTICIDAL SOIL RESIDUES BY CROP PLANTS, EFFECTS OF CARBON ON INSECTICIDE ADSORPTION AND TOXICITY IN SOILS.

E P Lichtenstein T W Fuhremann K R Schulz J Agr Food Chem 16(2,MAR-APR):348-355 REF 1968 381 J8223

Absorption, Aldrin, Carbon, Dieldrin, Drosophila mclanogaster, Heptachlor, Heptachlor epoxide, Insecticides, Peas, Pesticide residues. Plant physiology, Soil adsorption, Soils.

ADSORPTION OF SOME PESTICIDES ON SOILS, CLAY MINERALS AND HUMIC ACID,

G M MacNamara

Diss Abstr Sect B 29(7):2260B-2261B

Jan 1969 Z5055.U49D53

Clay minerals, Clay soils, DDT, Humic acids, Linuron, Malathion, Pesticides, Soil adsorption.

MEASUREMENT OF RESIDUES OF PHORATE AND ITS OXYGEN ANALOG SULFONE IN PLANT TISSUES BY TOTAL PHOSPHORUS DETERMINATION.

A J Manuel

J Agr Food Chem 16(1.JAN-FEB):57-59 REF 1968 381 J8223

Benzene, Chromatography, Measurement, Metabolites, Oxygen, Pesticide residues, Phorate, Benzene. Phosphorus, Plants, Sulfone, Tissues.

RESIDUES OF ORGANOCHLORINE INSECTI-CIDES IN DEAD BIRDS IN THE UNITED KING-DOM.

J Rohinson

Chem Indus (47):1974-1986 REF

25 Nov 1967 382 M31C

Birds, Chlorinated hydrocarbons, Chromatography, Insecticides, Pesticide residues, Toxicology.

EFFECT OF SOIL SYSTEMIC INSECTICIDES ON FLAVOR AND RESIDUE IN COFFEE.

J G Rodriguez J E Fahey C E Fernandez J Agr Food Chem 16(2,MAR-APR):276-279 1968 381 J8223

Bidrin, Coffee, Disulfoton, Food flavor, Insecticides, Pesticide residues, Phorate, Phosphorus, Soils.

2424-69

HEPTACHLOR RESIDUES IN SOIL, PASTURE, AND STOCK RESULTING FROM THE TREAT-MENT OF SOIL OR PASTURE WITH HEP-TACHLOR GRANULES.

S R B Solly D L Harrison V Shanks New Zeal J Agr Res 11(2):371-385 REF May 1968 23 N4892

Cattle, Heptachlor, Heptachlor epoxide, Insectieide residues, Pasture management, Sheep, Soil insecticides.

2425-69

IMPROVED METHOD FOR DETERMINATION OF SULFONAMIDES IN MILK AND TISSUES.

F Tishler J L Sutter J N Bathish H E Hagman J Agr Food Chem 16(1,JAN-FEB):50-53 1968 381 J8223

Cattle, Drugs, Milk, Pesticide residues, Poultry, Sulfonamides, Swine, Tissues.

FOR SEMI-QUANTITATIVE N OF SOME OR-PROCEDURE CONFIRMATION GANOPHOSPHORUS PESTICIDE RESIDUES IN PLANT EXTRACTS.

P J Wales C E Mendoza H A MeLeod W P McKinley

Analyst 93(1111):691-693

Oet 1968 382 AN1

Azinphosmethyl, Carbophenothion, Chromatog-Disulfoton, Malatnion, compounds, Diazinon, Mevinphos, Organophosphorus compounds, Parathion, Pesticide residues, Plant extracts. Potatoes:

TOXICOLOGY

2427-69

EFFECT OF DDT OR PARATHION ON CONDI-TION AVOIDANCE RESPONSE OF OFFSPRING FROM DDT OR PARATHION TREATED MOTHERS. (ABSTRACT).

G M Al-Haehim G B Fink

Excerpta Med Pharm Toxicol 21(12):600

Dec 1968 241.64 EX23

Animal adaptation, Breeding, DDT, Mice, Parathion, Reproduction, Toxicology. From Psychopharmacologia (Berl.), 1968, 12/5, (424-

2428-69

THE EARLY EFFECTS OF LOW DDT DOSES ON THE NERVOUS SYSTEM IN ANIMAL EXPERIMENTS.

I Desi 1 Farkas T Kemeny Experientia 24(1):51-52 REF

15 Jan 1968 475 EX7

Animal physiology, Biochemistry, Central nervous system, Chlorinated hydrocarbons, DDT, Insectieide residues, Rats, Toxicology.

2429-69

RELEASE OF AN ACETYLCHOLINE-LIKE SUBSTANCE FROM GUINEA PIG ILEUM BY SCORPION VENOM,

C R Diniz J M Torres

Toxicon 5(4):277-281 REF

May 1968 391.8 T66

Acetylcholine, Guinea pigs, Intestines, Museles, Scorpionida, Tityus bahyensis, Tityus serrulatus,

THE EFFECT OF DDT IN THE DIET ON THE RESTING AND LOADING ELECTROCORTICO-GRAM RECORD.

1 Farkas 1 Desi T Kemeny

Toxicol Appl Pharmacol 12(3):518-525 REF May 1968 391.8 T662

Aldosterone, Diet, DDT, Dosage, Drug therapy, Electrodes, Electrophysiology, Laboratory animals, Rats, Toxicology.

TOXICITY OF FENTIN HYDROXIDE TO RATS. T B Gaines R D Kimbrough

Toxicol Appl Pharmacol 12(3):397-403 REF

May 1968 391.8 T662

Animal physiology, Diet, Dosage, Food consumption, Laboratory animals, Rats, Toxicology, Triphenyltin hydroxide.

2432-69

CHOLINESTERASE INHIBITION IN THE ACUTE TOXICITY OF ALKYLSUBSTITUTED 2-AMINOETHANOLS.

R Hartung H H Cornish

Toxicol Appl Pharmacol 12(3):486-494 REF May 1968 391.8 T662

Brain, Cholinesterases, Culture media, Dosage, Emulsifying agents, Inhibitors, Rats, Toxicology.

EFFECT OF THE VENOM OF THE SCORPION TITYUS SERRULATUS ON ADRENAL GLAND CATECHOLAMINES.

M C Henriques G Gazzinelli C R Diniz M V Gomez

Toxicon 5(3):175-179 REF

Feb 1968 391.8 T66

Adrenal glands, Amines, Catechol, Glands (inseets), Physiology, Seorpionida, Tityus serrulatus, Venoms

EFFECT OF THE VENOM OF THE BEE APIS MELLIFERA ON OSMOTIC FRAGILITY OF CATTLE RBC.

1 Hort A Herz

Toxicon 5(3):181-186

Feb 1968 391.8 T66

Apis mellifera, Bee venom, Blood eells, Cattle, Erythrocytes, Osmosis, Physiology.

2435-69

COLLAGENOLYTIC ACTIVITY OF SNAKE AND SPIDER VENOMS.

E Kaiser W Raab

Toxicon 4(4):251-255 REF

Feb 1967 391.8 T66

Casein, Collagen, Enzymes, Snake venom, Snakes, Spider venom, Spiders.

INCOMPLETE SODIUM INACTIVATION IN NODES OF RANVIER TREATED WITH SCOR-PION VENOM.

E Koppenhofer H Sehmidt Experientia 24(1):41-42 REF

15 Jan 1968 475 EX7

Animal physiology, Bioehemistry, Seorpionida, Toxicology, Venoms.

ANTIGEN CONVERSION IN SALMONELLA. XI. CONVERSIO IN THE N(0:30) GROUP. (FR) L Le Minor

Inst Pasteur Ann 115(1):62-67 REF

Jul 1968 448.3 AN75

Antigens, Electron microscopy, Immunochemistry, Phagocytes, Salmonella. English summary. many Salmonella strains are used in this project.

PHARMACOLOGICAL AND ENZYMIC CONSTITUENTS OF THE VENOM OF AN AUSTRALIAN BULLDOG ANT MYRMECIA PYRIFORMIS.

J C Lewis I S de la Lande

Toxicon 4(4):225-234 REF

Feb 1967 391.8 T66

Enzymes, Histamine, Hyaluronidase, Muscles, Myrmeeia pyriformis, Pharmaeology, Venoms.

A NEW SPECIES OF SALMONELLA OF NIGERIAN ORIGIN, SALMONELLA BIAFRA. (3, 10:Z10:26). (FR)

E van Oye C Du Pre

Inst Pasteur Ann 115(1):77-78

Jul 1968 448.3 AN75

Antigens, Bacteria, Salmonella, Serological tests, Taxonomy. English summary.

EFFECT ON HONEY BEES OF DICHLORVOS AND BROMOPHOS APPLIED AS SPRAYS TO WHITE CLOVER (TRIFOLIUM REPENS L.). T Palmer-Jones P G Clineh

New Zeal J Agr Res 11(1):138-141

Feb 1968 23 N4892

Apis mellifera, Bromophos, Diehlorvos, Spraying, Toxicity, White elover.

TRANSMISSIBLE RESISTANCE FACTORS IN ENTEROBACTERIACEAE ISOLATED IN AL-GERIA. (FR)

F Papa

Inst Pasteur Ann 115(1):68-76 REF

Jul 1968 448.3 AN75

Baeteria, Enterobaeteriaceae, Epidemiology, Escherichia coli, Escherichia freundii, Resistance, Salmonella. English summary.

2442-69

RESEARCH AND TESTING OF PREPARATIONS ON RODENTS IN THE HABITAT OF MAN. (GE)

W Reichmuth

Nachrichtenbl Deut Pflanzenschutzdienstes 19(1):9-12

Jan 1967 442.9 B832

Humans, Legislation, Pesticides, Research, Rodent control, Rodenticides, Rodents, Toxicology.

THE EFFECT OF MALEIC HYDRAZIDE ON THE MITOSIS OF PHYTOHAEMAGGLUTININ STIMULATED HUMAN LYMPHOCYTES CUL-TURED IN VITRO.

J Timson

Caryo Logia 21(2,APR-JUN):157-159

1968 442.8 C25

Humans, Lymphocytes, Maleie hydrazide, Mitosis, Tissue culture.

PLANT PHYSIOLOGY & **BIOCHEMISTRY**

SURVIVAL OF ROOT-INFECTING FUNGI IN SOIL. X. SENSITIVITY OF PROPAGULES OF THIELAVIOPSIS BASICOLA TO SOIL FUNGIS-TASIS IN NATURAL AND ALFALFA-AMENDED SOIL.

P B Adams G C Papavizas

Phytopathology 59(2):135-138 Feb 1969 464.8 P56

Alfalfa, Conidia, Culture media, Fungicides, Fungus diseases (plants), Roots, Seed germination, Soil fungi, Thielaviopsis basicola.

EFFECTS OF LINDANE AND CARBARYL ON INSECTS, SOIL AND PLANT NITROGEN, AND GRAIN YIELD OF RICE.

S K de Datta R S Ayyangar J T Magbanua Exp Agr 3(3):239-247

Jun 1967 10 EX72

Carbaryl, Crop yields, Insect control, Irrigation, Lindane, Nitrogen, Plant protection, Rice, Soils, Water.

CARBOHYDRATE RESERVES IN MOUNTAIN RANGE PLANTS WITH RESPECT TO PHENOLOGICAL STAGE OF DEVELOPMENT AND ARTIFICAL DEFOLIATION.

G B Donart

Diss Abstr Sect B 29(7):2249B-2250B

Jan 1969 Z5055.U49D53

Carbohydrates, Climate, Colorimetry, Defoliation, Plant hiochemistry, Plant extracts, Plant physiology, Ranges.

2447-69

RESPONSE OF COTTON PLANT TO CERTAIN COMBINATIONS OF FERTILIZERS AND METAISOSYSTOX.

M El-Kadi M Zaki M Abo-Elghar A Shahaan An Agr Sci 10(1):47-59 REF Jun 1965 24 AN72

Biochemistry, Cotton, Fertilizers, Insecticide residues, Insecticides, Nitrogen, Oxydemetonmethyl, Phosphorus, Plant physiology, Potassium. Arabic summary

SELECTIVE ACTION OF CHLOROXURON ON SOYBEAN AND MORNINGGLORY.

R W Feeny

Diss Abstr Sect B 29(7):2261B

Jan 1969 Z5055.U49D53

Chloroxuron, Chromatography, Herbicides. Ipomoea, Phytotoxicity, Plant growth inhibitors, Plant physiology, Soybeans.

2449-69

ON THE SENSITIVENESS OF SEVERAL WOOD-DECAYING FUNGI TO GASEOUS STERILIZATION WITH PROPYLENE OXIDE.

W Liese U Ammer

17P REF

1967 TRANSI.. 17050

Ascomycetes, Basidiomycetes, Culture media, Fiberboard, Propylene oxide, Sterilization, Wood destroying fungi. Translated from Angew. Bot. 39(3/4):89-98,1965.

GROWTH REGULATOR CONTROL OF FRUIT SET AND DEVELOPMENT IN THE HIGHBUSH BLUEBERRY (VACCINIUM CORYMBOSUM L.).

C M Mainland

Diss Abstr Sect B 29(7):2255B

Jan 1969 Z5055.U49D53

Biological assay, Blueberries, Chromatography, Foliar application, Fruit setting, Gibberellins, Greenhouse culture, Growth factors, Plant hormones, Plant physiology, Plant regulators.

THE EFFECTS OF PLANT AMENDMENTS AND THEIR ASSOCIATED MICROFLORA ON RHIZOCTONIA SOLANI KUEHN.

W J Manning

Diss Abstr Sect B 29(7):2257B

Jan 1969 Z5055.U49D53

Beans, Ceratobasidium, Fusarium oxysporum, Microorganisms, Plant residues, Rhizoctonia solani, Streptomyces.

PRELIMINARY STUDY ON THE EFFECT OF GIBBERELLIC ACID ON FRUIT SET IN THE CHERIMOYA.

S E Maximos G R Stino

An Agr Sci 10(2):319-323

Dec 1965 24 AN72

Cherimoya, Flowers, Fruit, Gibberellic acid, Plant physiology, Research, Seeds, Spraying.

CONSISTENCY OF RST VALUES OF SIX OR-GANOPHOSPHORUS PESTICIDES RESOLVED BY THIN-LAYER CHROMATOGRAPHY IN THE PRESENCE OF PLANT EXTRACTS WITHOUT ELABORATE CLEAN-UP.

C E Mendoza P J Wales D F Bray

Analyst 93(1111):688-690

Oct 1968 382 AN1

Azinphosmethyl, Carbophenothion, Chromatography, Diazinon, Ethion, Malathion, Mevinphos, Organophosphorus compounds, Parathion, Pesticides, Plant extracts, Plant translocation, Statistical analysis

2454-69

CRITICAL STUDY OF A NEW DEVICE FOR GIBBERELLIN DOSAGE BY THE ELONGATION OF THE OAT STEM. (FR)

B Montuelle D Ochin

Soc Franc Physiol Veg Bull 13(2):141-153

May 1967 451 SO193

Assay, Dosage, Equipment, Gibberellins, Oats, Plant biochemistry, Plant hormones, Plant physiology English summary.

2455-69

CROP RESPONSE TO APPLIED ZINC IN AM-MONIATED PHOSPHATE FERTILIZERS.

J J Mortuedt

J Agr Food Chem 16(2,MAR-APR):241-245 REF 1968 381 J8223

Ammonia, Corn, Ethylenediaminetetraacetic aeid, Fertilizers, Oxides, Phosphates, Plant biochemistry, Plant physiology, Sulfates, Zinc.

2456-69

CHARACTERISTICS OF IN VITRO PROTEIN SYNTHESIS SYSTEMS FROM RHIZOCTONIA SOLANI AND SCLEROTIUM BATATICOLA.

T G Obrig J Cerna D Gottlieb

Phytopathology 59(2):187-192 REF

Feb 1969 464.8 P56

Antibiotics, Fungi, Inhibitors, Mycelium, Plant physiology, Protein synthesis, Rhizoctonia solani, Ribosomes, Sclerotium bataticola.

EPOXIDATION OF ALDRIN BY PLANT MATERIALS.

P C Ploffs

Diss Abstr Sect B 29(3):1053B-1054B

Sep 1968 Z5055.U49D53

Aldrin, Biochemistry, Cyclodiene, Enzymes, Insecticides, Microsomes, Oxidation, Plant physiology, Temperature, Tissue culture. Six crops were tested.

PLANT TREATMENT IN RELATION TO THE RHIZOSPHERE EFFECT. II. FOLIAR APPLICATIONS OF CERTAIN CHEMICALS AND AN-TIBIOTICS IN RELATION TO THE RHIZO-SPHERE MICROFLORA OF RICE (ORYZA SATIVA L.).

T K R Reddy

Plant Soil 29(1):102-113 REF

Aug 1968 450 P696

Antibiotics, Chemical control (pests), Foliar application, Plant biochemistry, Rhizosphere, Rice, Roots, Substrates,

2459-69

EFFECT OF TRIFLURALIN ON GROWTH OF SCLEROTIUM ROLFSII IN LIQUID CULTURE AND SOIL.

R Rodriguez-Kabana E A Curl H H Funderburk Phytopathology 59(2):228-232 REF

Feb 1969 464.8 P56

Culture media, Herbicides, Mycelium, Plant growth inhibitors, Plant physiology, Sclerotium rolfsii, Soil fungi, Soil hydrogen-ion concentration, Trifluralin

2460-69

BIOLOGICAL ACTIVITY OF PA-X, A PLANT REGULATOR FROM BEAN SEEDS.

Diss Abstr Sect B 29(7):2320B

Jan 1969 Z5055.U49D53

Beans, Enzymes, Plant physiology, Plant regulators, Seed germination.

CHEMISTRY

2461-69

ACID MONOSODIUM DEGRADATION OF METHANEARSONIC MICROORGANISMS.

D W Von Endt P C Kearney D D Kaufman J Agr Food Chem 16(1 JAN-FEB):17-20 REF

1968 381 J8223

Biochemistry, Decomposition, Herbieides. Monosodium acid methanearsonate, Plant Soil microorganisms, Sorghum physiology, halepense.

2462-69

EFFECT OF 2,4-D AND UREA SPRAYS ON YIELD AND FRUIT QUALITY OF BALADY ORANGES.

Z Zidan S Mahmoud I Shawky

An Agr Sci 10(2):297-318 REF

Dec 1965 24 AN72

Crop yields, D, 2,4-, Oranges, Plant biochemistry, Plant physiology, Spraying, Urea.

2463-69

LISTING OF COLOR ADDITIVES FOR FOOD USE EXEMPT FROM CERTIFICATION; LIST-ING OF COLOR ADDITIVES FOR DRUG USE EXEMPT FROM CERTIFICATION. COCHINEAL EXTRACT.

R E Duggan

Fed Regist 33(243):18577-18578

14 Dec 1968 L1.451

Chemistry, Cochineal, Color, Drugs, Dyes, Extracts, Food additives, Legislation.

2464-69

OMEGA, A USEFUL INDEX OF SOIL SORPTION EQUILIBRIA.

S M Lambert

J Agr Food Chem 16(2,MAR-APR):340-343 1968 381 J8223

Chemicals, Measurement, Pesticide application, Soil adsorption.

2465-69

SIMPLIFIED METHOD OF PREPARING COLUMN MATERIALS FOR GASLIQUID CHROMATOGRAPHIC SEPARATION OF SOME PESTICIDES.

C E Mendoza K A McCully P J Wales Anal Chem 40(14):2225-2227 REF

Dec 1968 381 J825A

Chemistry, Chemical reactions, Chlorinated hydrocarbons, Chromatography, Methodology, Organophosphorus compounds, Pesticides.

2466-69

ADSORPTION OF 3-AMINOTRIAZOLE BY MONTMORILLONITE.

J D Russell M I Cruz J L White

J Agr Food Chem 16(1,JAN-FEB).21-24 REF 1968 381 J8223

Amitrole, Infrared spectra, Montmorillonite, Pesticides, Soil adsorption.

2467-69

EFFECT OF PENICILLIN ON THE COMPOSI-TION OF AMINO SUGARS IN ACID-SOLUBLE FRACTION AND MUCOPEPTIDES FROM BACILLUS SUBTILIS. (RUS)

L I Torbochkina I N Navolneeva Biokhimiya 32(4):705-710 REF

1967 385 B523

Amino sugars, Bacillus subtilis, Glucosamine, Mucus, Penicillins, Peptides. English summary.

ENGINEERING

2468-69

A PORTABLE INSTRUMENTED TOWER FOR USE IN METEOROLOGICALLY RELATED RESEARCH.

CBR 'hburn AF Miserocchi J Econ Entomol 62(1):149-154 17 Fcb 1969 421 J822

Equipment, Insect control, Meteorology, Research, Temperature.

2469-69

AN ACCURATE AND SAFE HAND-OPERATED, VEHICLE-MOUNTED APPLICATOR FOR GRANULAR INSECTICIDES IN SEED ORCHARDS.

H O Yates W G Lewis J Econ Entomol 62(1):246-248 17 Feb 1969 421 J822

Chemical control (insects), Dosage, Equipment, Insecticide application, Insecticides, Orchards, Phorate, Rhyacionia, Seeds.

2470-69 COATED CELERY SEED AIDS MECHANIZA-TION EFFORTS. F W Zink Calif Agr 21(8):4-5 Aug 1967 100 C12CAG



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ABDOMEN	Geographical variation in Paprides nitidus (Hut-	AERIAL SPRAYING
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Baygon in field tests against German cockroaches.	Eradication efforts against tropical bont tick, Amblyomma variegatum in the Virgin Islands.	Tolerances and exemptions from tolerances for pesticide chemicals in or on raw agricultural commodities. Diphenamid.
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2030	Phytophthora crown and root rot of hops in	HUMANS
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1886	Notice of filing of petition regarding pesticide	2442
IBERNATION	chemicals.	The effect of malcic hydrazide on the mitosis of
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1973	chemicals.	2443
The role of moisture in the winter survival of the	2391	HUMIC ACIDS
boll weevil complex in Arizona.	HORDEUM	Adsorption of some pesticides on soils, clay
2001	Selective herbicides control weeds in lucerne at	minerals and humic acid.
Distribution of hibernating larvac of the western	Cowra.	2420
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Douglas-fir in Colorado.	HORMONES	Glossina palpalis gambiensis Vanderplank 1949
	Studies on the mctamorphosis of the alimentary	(Diptera in the Niayes and
ILL REACTION	canal of Hyalophora eccropia (L.).	1899
Biochemical aspects of triazinc based herbicides.	1992	Hints on the permanent rearing of Daeus oleae
	Demonstration of the synthesis of a yolk protein	Gmelin (Diptera, Tyrpetidae) in the laboratory.
IPPOBOSCIDAE	under the influence of the corpora allata in Leu-	1938
Studies on the structure of the head, mouth-parts and their musculature in Hippobosca maculata	cophaca maderac.	The role of moisture in the winter survival of the
Leach (Diptera: Pupipara).		boll weevil complex in Arizona.
1951	Fatty acids in Hyalophora cecropia: Biosynthesis	2001
IRUDINEA	and constitution during development.	Mass rearing technique of rice gall midge
Experimental investigation into the physiological		(Pachydiplosis oryzae Wood-Mason) and notes
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ISTAMINE	P.L.A. (pituitary lutcinizing hormone). Drugs for	Population dynamics of the common horseflies
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2438	Progesterone-estradiol benzoate (hormonal im-	Physiological bases for the luring and catching of
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ing selective assimilation of yolk proteins by	2305	Pulmonary diseases of pig in Madagascar.
Cecropia oocytes.	Testosterone proprionate-estradiol benzoate	2335
	(hormonal implant). Drugs for veterinary use;	Influence of moisture content, temperature, and
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1948	F.S.HP. (follicle stimulating hormone-pituita-	2380
	ry). Drugs for veterinary use - drug efficacy study implementation announcement.	HYALOPHORA CECROPIA
Observations on the histo-morphology of the labial glands in Neodiprion sertifer Geoffroy	2313	Cellular and extracellular activities implement-
(Hymenoptera Diprionidae).	HORSES	ing selective assimilation of yolk proteins by
1961	Equine protozoan diarrhea (equine intestinal	Cecropia oocytes.
Histochemistry and ultrastructure of the	Trichomoniasis) at Trinidad racetracks.	
feminine genital ducts of Gryllotalpa gryllotalpa	2278	Studies on the mctamorphosis of the alimentary
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2016	fectious anemia. VII. Especially on the enzyme	
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Leth. et Seu. (Gerridae-Insceta).	2300	2055
2032	Transmission of equine sarcoid.	HYALURONIDASE
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radiated tobacco mosaic virus ribonucleic acid.	sure to Vibrio fetus.	2080
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Whole town treatment for fruit fly control.	IMMUNIZATION Observations on the use of Antrycide Prosalt and	The development of the thorax muscles of Periplaneta after cutting of individual nerves
2236	the resistance of cattle to Trypanosomiasis.	Preliminary report.
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2364	2286	2050
HYMENOPTERA	Enterotoxaemia: Deadly disease of sheep.	Mechanism of resistance of carrot roots to Pythi-
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1937	2437	2456
A morphological and functional study of the	IMMUNOLOGY Loss of scrum proteins via the intestinal tract in	INJECTIONS
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tors in fieldplot work,	Immunological studies on experimental ascaria-	INSECT ADAPTATION
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1920	Electron microscopic observations on the causal	1926
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postica (Gyllenhal) Supplement I. 1944	2175	Bionomics and taxonomy of Meloe (Coleoptera Meloidae), with a classification of the New
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2053	plant). Drugs for veterinary use; drug efficacy	1903
Developing alfalfa resistant to alfalfa weevil	study implementation.	Action of nicotine on neural transmission in the American cockroach (Periplaneta americana
oviposition.	Testosterone proprionate-estradiol benzoate	(L.)).
A mass screening procedure for isolating alfalfa	(hormonal implant). Drugs for veterinary use;	1963
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2204	IN VITRO	(Holl optera r syllodea).
HYPERKERATOSIS	Studies on the physiology of the fat body of Pyrr-	The presence waxes in two kinds of lac cells.
Eczema and liver disease in dogs (hepatodermal syndrome).	hocoris apterus L.	2006
2287	INCUBATORS	The embryonic development of the brain in pau rometaholic insects. A study on Carausius
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A laboratory comparison of the effects of some	and egg parasites.	2007
insecticides on the Argentine stem weevil (Hyperodes bonariensis Kuschel) (Coleoptera:	INDIA	On the morphology and the hionomies of the in- sects of economic importance. II. Head appen
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HVDHANTDIA CUNEA	sows. 2302	(Tenehrionidae, Coleoptera).
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1953	ment and control.	205
ICHNEUMONIDAE Supplement to the revision of the west-palearetic	Enterotoxaemia: Deadly disease of sheep.	Evolutionary morphology of insect genitalia as exemplified by the sawfly Euura (Hymenoptera
Ichneumonidae Scambus Htg.	2290	Tenthredinidae).
1865	The pathogenesis of ovine Contagious Eethyma.	2052
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si) (Hym., Ichneum.).	peated tuberculations in infected cattle.	ture of the pupal-winged adult.

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A technique for studying the feeding habits of the horn fly.
1860
Temporal distribution of Tribolium castaneum Herbst and Cadra cautella Walker on temperature gradients.
1917
Influence of changes in the cotton plant during the season on the feeding, oviposition, and development of the boll weevil. 1923
Influence of moisture content of bovine fees on oviposition and development of the face fly. 1927
Studies on the attack behavior of the southern pine bettle. II. Response to attractive host material.
1943
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pine bettle. III. Sequence of tree infestation within stands.
1966
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1973
Principles of crowding effect in Aphis gossypii Glover (Aphididae, Homoptera).
The relative abundance of species in a wild population of Macro Landontee
lation of Macro-Lepidoptera.
On the ethometry of sign stimuli; the theory of the telotactic choice, and the power principle of
the terminal cumulation in arthropods. 1990 Riology of the face fly Migration of larges
Biology of the face fly: Migration of larvae.
Oviposition preference by Costelytra zealandica (White). II.
1997
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Competitive mating tests between normal and aspermic male house flies.
Investigation into the appearance of the three castes in the bumblebee colony.
2040
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Biology of the robber fly Eutolmus rufibarbis Mg, (Diptera, Asilidae) in Khabarovsk Territory. 2072

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Biology of the face fly: Migration of larvae.	1991
Mass rearing technique of rice gall (Pachydiplosis oryzae Wood-Mason) and on its biology.	
Heat-extraction technique for recovery of public tuberworm larvae from potato tubers.	2002 potato 2029
Pericentric inversion polymorphism Trimerotropis helferi (Orthoptera: Aeric and its effect on chiasma frequency.	in Iidae)
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2216	2087
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when infestations commenced at the beginning, middle, and end of the flowering period.	Hints on the permanent rearing of Dacus oleae Gmelin (Diptera, Tyrpetidae) in the laboratory. 1938
2228	Biological factors influencing responses of the
The termites of Paris.	female boll weevil to the male sex pheromone in
NSECT BIOCHEMISTRY	field and large-cage tests.
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sistant and susceptible to organophosphorus	Behavioral and physiological aspects of mating
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Orthopterological notes. XXII. The genus Myr-	Attraction of female boll weevils to traps baited
mecophilus Berth. in Italy.	with males or extracts of males.
1866	1945
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Macrosiphum alpinum n. sp. (Homoptera:	1978
Aphididae).	Field and laboratory studies of attraction of the
1898	synthetic sex pheromone to male cabbage looper
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(Diptera in the Niayes and 1899	Population dynamics of the common horseflies
A bibliography of the alfalfa weevil, Hypera postica (Gyllenhal) Supplement I.	and deerflies (Tabanidae: Diptera) breeding on a New Jersey salt marsh.
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Biology and colonization of the winter tick in the	Hourly and seasonal collections of six harmful in-
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1952	Physiological bases for the luring and catching of
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1970	New longicorns of the Museum of Natural Histo-
Biology of the face fly: Migration of larvae.	ry at Geneva.
Mass rearing technique of rice call mides	Heteroptera catch from the island of Crete.
Mass rearing technique of rice gall midge (Pachydiplosis oryzae Wood-Mason) and notes	1886
on its biology.	Some remarks concerning sphinx moths catches
2002	on the island of Sumatra. Supplementary infor-
Heat-extraction technique for recovery of potato	mation concerning the knowledge of sphinx
tuberworm larvae from potato tubers.	moths (II) (Lep. Sphingidae).
Pericentric inversion polymorphism in	Aquatic insect fauna of Brownsea Island and the
Trimerotropis helferi (Orthoptera: Aerididae)	Isle of Purbeck, Dorset.
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Granhouse studies of host plant suitability to	Flight and ground collection records of Coste-
Greenhouse studies of host plant suitability to Graminella nigrifrons, a vector of corn stunt	lytra zealandica (White) at a site in Canterbury, New Zealand.
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2206	Effect of temperature, light, and date of collec-
An oak leaf tier, Croesia semipurpurana (Kft.)	tion on the feeding rate of the sweetclover
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The feeding behavior and biology of Parantana	A hibliography of the alfulfa wasuit Hypers
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2225	1944

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Population assessment of cotton bollworm in relation to pest control practices.	INSECT ECOLOGY Glossina palpalis gambiensis Vanderplank 1949 (Diptera in the Niayes and	INSECT FLIGHT Dispersal and local distribution of laboratory- reared sterile screw-worm flies released in
Whole town treatment for fruit fly control. 2236	Adaptations to temperature in geographic races	winter. 1980
Materials on the epidemiology of tick-borne en- cephalitis in the zone of construction of Sayano- Shushenskaya hydropower station.	of the Queensland fruit fly Dacus (Strumeta) tyroni.	Teratology of the beetle Tenebrio molitor. III. Ultrastructural alterations in the flight muscula- ture of the pupal-winged adult.
2289	The comparative ecology of two closely related,	1NSECT GENETICS 2090
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2379	On the ethometry of sign stimuli; the theory of	Drosophila melanogaster. 1979
Effects of lindane and carbaryl on insects, soil and plant nitrogen, and grain yield of rice. 2445	the telotactic choice, and the power principle of the terminal cumulation in arthropods. 1990	Viability, proportion between the sexes and of the X chromosomes of Drosophila melanogaster. 2074
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NSECT CULTURES	sideration of the Oribatids.	cally related enzymes in Drosophila
Developmental performance of embryonic	The ecology of Sminthurus viridis (L.)(Collem-	melanogaster. 2075
blastemas of Drosophila after culture in the adult host.	bola). I. Processes influencing numbers in pastures in Western Australia.	Sex and selection for a quantitative character in Drosophila. I. Single-sex selection.
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tion of xanthine dehydrogenase and its geneti- cally related enzymes in Drosophila	Biology of the robber fly Eutolmus rufibarbis Mg, (Diptera, Asilidae) in Khabarovsk Territory. 2072	Sex and selection for a quantitative character in Drosophila. If The sex dimorphism. 2077
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2066	Studies of the ecology of the subbase applied	combinations of imago organisms of Drosophila melanogaster.
NSECT DIGESTION	Studies of the ecology of the cabbage aphid (Brevicoryne brassicae (L.)) on brassica field	2079
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on cauliflowers.	tion study, 1959-60.	SISTANCE in a New York strain of the two- spotted spider mite.
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1934	Cellular and extracellular activities implement-	5-aminoacridine induced crossing over in the
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is inhibitors on sigma virus multiplication in Drosophila melanogaster.	trol. 1932	2083
1979	Biological notes on Spilonota ocellana Denis and	Relative fitness of a third chromosome inversion in Drosophila melanogaster.
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1980	and egg parasites.	Pericentric inversion polymorphism in Trimerotropis helferi (Orthoptera: Acrididae)
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gregation pattern.	trol of Heliothis on cotton.	2090
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2065	ton) (Orthoptera; Acrididae).	acaricides in the cattle tick, Boophilus microplus.
Gross variations in the response to man among yellow-fever mosquito populations in the labora-	Investigation into the appearance of the three	2092
tory.	castes in the bumblehee colony.	Brain cholinesterase activity and its inheritance
2098	2040	in cattle tick (Boophilus microplus) strains re-

	On the hormonal control of ovarian development in the female larva of the heterogonid gall gnat	INSECT MATING Flashes of Photuris fireflies: Their value and use
A gynandromorphic grasshopper produced by	Heteropeza pygmaea Winnertz 1846 (Diptera, Cecidomyiidae).	in recognizing species.
double fertilization.	2030	Competitive mating tests between normal and
2094 Cytogenetics of the viatica group of morabine	Embryonic developmental mutations of the nul- losomies and tetrasomies of the third	aspermic male house flies.
grasshoppers. I. The coastal species.	chromosome of Drosophila melanogaster.	INSECT METABOLISM
2095 Karyotypes and nuclear size in the sper-	INSECT HORMONES	A demonstration through symbiotic microorgan- isms of the effect of sterol synthesis in artificially
matogenesis of grasshoppers belonging to the	On the hormonal control of ovarian development in the female larva of the heterogonid gall gnat	fed aphids (Homoptera, Rhynchota, Insecta).
subfamilies Gomphomastacinae, Chininae and Biroellinae (Orthoptera, Eumastacidae).	Heteropeza pygmaca Winnertz 1846 (Diptera,	1955 Changes in glycogen-, lipid-, and nitrogen
2096	Cecidomyiidae).	metabolism of the imago of Pyrrhocoris apterus
Automated sexing of pupae and its usefullness in control by sterile insects.	INSECT IDENTIFICATION	L. in connection with the reproduction process. 1989
NSECT GEOGRAPHY	New Old World genera of the Eurygeniini (Coleoptera: Anthicidae).	On the food utilization and digestion of major food nutrients in the lepidoaterous larvae feeding
The distribution of ants in central southern En-	1862	on cauliflowers.
gland. 1867	Orthopterological notes. XXII. The genus Myr- mecophilus Berth. in Italy.	2009 INSECT MIGRATION
New species of the Sarcophaga Meigen genus	1866 The Chironomidae of Florida. II. The nuisance	Biology of the face fly: Migration of larvae.
(Fam. Sarcophagidae, Diptera).	species.	1991
Australian Blattidae (Blattodea). VII. The	Contribution to the fauna of Congo (Braz-	The possibility of the occurrence of warm- and cold season relicts on the Zitzmannsdorf
Platyzosteria group; general remarks and revi- sion of the subgenera Platyzosteria Brunner and	zaville). Mission of A. Villiers and A. Descarpen-	meadow at the Neusiedler lake.
Leptozosteria Tepper.	tries. L1I. Lepidoptera Pieridae.	Environmental factors regulating the diurnal ver-
A survey of the scutacarid (Acari: Tarsonemini)	Contribution to the fauna of Congo (Braz-	tical migration of Chaoborus larvae.
fauna of Australia.	zaville). Mission of A. Villiers and A. Descarpen- tries. L. Orthoptera Gryllodea.	The color change of Poecilimon ornatus Schmidt
A new genus of Scelionidae (Hymenoptera) with	1874	in the post-embryonic development. (Orthop- tera-Tettigoniidae).
austral disjunctive distribution.	Contribution to the fauna of Congo (Brazzaville). Mission of A. Villiers and A. Descarpen-	2017
Ticks from Turkey (Acari, Ixodidae).	tries. LIII. Homoptera Cicadidae.	INSECT MORPHOLOGY Macrosiphum alpinum n. sp. (Homoptera:
1900	The aphid fauna of Spitsbergen.	Aphididae).
Geographical variation in Paprides nitidus (Hutton) (Orthoptera: Acrididae).	On some species of the genus Arctosa C. L. Koch	Wing micro-sculpturing in termite genera Odon-
2028	and Tricca Simon (Araneae-Lycosidae).	totermes, Hypotermes and Microtermes (Ter- mitidae: Macrotermitinae) and its taxonomic
The termites of Paris.	Concerning knowledge of the order Periom-	value.
NSECT HARDINESS	matus Chapuis (Coleoptera, Platypodidae). III. 1901	1906 The bark beetles of Greece and Cyprus. (249.
Relative fitness of a third chromosome inversion in Drosophila melanogaster.	Bionomics and taxonomy of Meloe (Colcoptera,	Contribution to the morphology and taxonomy
NSECT HISTOLOGY	Meloidae), with a classification of the New World species.	of the Scolytoidea).
Structure and function of the rectal pads in	1903	A new species of Elasmolomus (Heteroptera:
Hymenoptera.	A review of the praying mantises of Ghana. (Dic- tyoptera Mantodea).	Lygacidae) from Australia.
1922		
Effects of malathion on the histophysiology of	1905	The morphological basis of embryonic move-
Effects of malathion on the histophysiology of Malpighian tubules of Periplaneta americana (Linn.), Dictyoptera.	Revision of African Reduviidae. II. Harpactorinae. Genus Nagusta Stal.	ments in the light brown apple moth, Epiphyas postvittana (Walk.) (Lepidoptera: Tortricidae).
Effects of malathion on the histophysiology of Malpighian tubules of Periplaneta americana (Linn.), Dictyoptera.	1905 Revision of African Reduviidae. II. Harpactorinae. Genus Nagusta Stal. 1914	ments in the light brown apple moth, Epiphyas postvittana (Walk.) (Lepidoptera: Tortricidae). 1918
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2221	1971	INSECT POPULATIONS
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2227	1977	New Jersey salt marsh.
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Aerial applications of PIB-7 and malathion to	The residual contact toxicity to honey bees of in- secticides sprayed on to white clover (Trifolium	Tolerances and exemptions from tolerances for pesticide chemicals in or on raw agricultural
suppress populations of Anastrepha suspensa.	repens L.) in the laboratory.	commodities. O-ethyl S-phenyl
2234	1942	ethylphosphonodithioate.
Method of controlling and eradicating mites.	Selection methods for pathogenic forms of	2416
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2237	1956	and home preparation.
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with Shell SD-8447.	1960	soil residues by crop plants. Effects of carbon on
An accurate and safe hand-operated, vehicle-	Linkage studies of aldrin resistance in Blattella	insecticide adsorption and toxicity in soils.
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2469	Laboratory evaluation of several new insecti-	birds in the United Kingdom.
NSECTICIDE RESIDUES	cides for control of the pale western cutworm.	Effect of soil systemic insecticides on flavor and
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1935	Laboratory and field evaluation of larvicides against chironomid midges.	2423
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1942	formulations. 2020	Epoxidation of aldrin by plant materials.
A comparison and evaluation of residual, oral		An accurate and safe hand-operated, vehicle-
and topical treatments of tepa, tris (1-aziridinyl) phosphine oxide, used to sterilize German	Sampling to detect economic infestations of Limonius spp.	mounted applicator for granular insecticides in
cockroaches Blattella germanica (Linnaeus).	2022	seed orchards.
1965	Effect of droplet size on persistence of ULV	2469
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	Biotic factors involved in crucifer aphid out-	On a known and some new species of insect ne- matodes.
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2390	Studies on the effect of commercial formulations	INTEGRATED CONTROL (INSECTS)
The effect of even or uneven applications of	of some organophosphorous insecticides on the	A field test comparing resistant varieties plus ap-
DDT prills to pasture on DDT residues in stock.	cotton leaf worm, Prodenia litura F. under field	plications of polyhedral virus with insecticides
2402	conditions.	for control of Heliothis spp. and other pests of
Heptachlor residues in soil, pasture, and stock	2073	cotton, 1967.
resulting from the treatment of soil or pasture	The effects of IPC, CIPC, Sevin and Zectran on	Development and perspectives of biological con-
with heptachlor granules.	Bacillus subtilis.	trol.
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vous system in animal experiments.	insecticides on the Argentine stem weevil	INTEGRATED CONTROL (PESTS)
2428	(Hyperodes bonariensis Kuschel) (Coleoptera:	Conclusions and resolutions of the general as-
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of fertilizers and Metaisosystox.		Tunis, March 26-April 4, 1962.
2447	End of squaring as an economic indicator of approximate time to end insecticidal treatments for	2105
NSECTICIDE RESISTANT INSECTS The control of some species of pest insects by	boll weevil control.	INTERNATIONAL COOPERATION
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1953	Insecticidal control of the sugarcane borer in	sembly of the International Commission for the Biological Control of Plant Pests (C. I. L. B.).
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spotted spider mite.	Oxidative metabolism of phosphamidon in rats	Equine protozoan diarrhea (equine intestinal
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2092	chemicals.	in rats.
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2132	KIDNEYS	1970
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MUTATIONS

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Supplementary information on Korean Psyllidae. (Homoptera Psyllodea).

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Kuyacia augur F, and other climbing e (Lepidoptera).

Aphids and leafhoppers found on red clover in eastern Washington.

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ZOONOSES

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Abdullah, M	2100	Balock, J W	2117	Bobb, M L Virginia Polytechnic Inst. Research Div., Cha	
Pakistan Council of Scientific and Indu Research.; Kurachi	ustrial	Agricultural Research Service, Mesa, Ariz. tomology Research Div.		tesville; Piedmont Research Lab.	1932
Adams, P B Agricultural Research Service, Beltsville, Crops Research Div.		Banerjee, N Calcutta Univ., India; Entomology Lah.	1924	Bodenstein, D Virginia Univ., Charlottesville; Dept. of Biolog	y 1933
·	2444	Barnes, D K	1925	Bopp, M Lishoa Univ., Portugal; Botanical Inst.	
Adler, V E Agricultural Research Service, Beltsville, Md tomology Research Div.	.; En-	Agricultural Research Service, Beltsville, Crop Research Div.			212
Ahmad, 1 Karachi Univ., Pakistan; Dept. of Zoology	1857	Barrett, K E J Windsor, 129 Smiths Lane, England	2204	Missouri Univ., Columbia; Dept. of Plant Path gy	holo 212
Akrabawi, S S California Univ., Davis	1863	Barros-Queiroz, M C Grupo de Genetica Quantitiva, Lishon, Portug		Bose, A K Central Storage Depot, Hapur, Uttar Prad India	desh
Al-Hachim, G M	2273	Basak, W	2074	Bourdin, P	2379
Oregon State Univ., Corvallis	2427	Laboratory of Plant Pathology, Skierniewice land; Inst. of Pomology		Institute D'Elevage et de Medecine Veterinaire Pays; tropicaux, Maisons-Alfort, France	
Amman, G D Forest Service, Ogden, Utah; Intermountain I	Forest	Bateman, M A	2118	Boyd, F J	2282
and Range Experiment Station	2200	Sidney Univ., Australia; Joint Unit of A Ecology		Mississippi State Univ., State College; Dept. of tomology	f En
Amos, T G		Bateman, M A	1926		2206
Dundee Univ., Scotland; Dept. of Natural Hist Anczykowski, F	1917	Sydney Univ., Australia; Joint Unit of A Ecology	nimal	Brennan, E Rutgers Coll. of Agriculture and Environm-	enta
Instytut Weterynarii, Pulawy, Poland; Z	aklad		2205	Science,; New Brunswick, N. J.	2387
Chorob Bydla	2274	Directorate of Extension, New Delhi, India	2382	Breuning, S Paris, France	
Anczykowski, F Instytut Weterynarii, Pulawy, Poland; Z	aklad	Bay, D E	2302	Brodie, B B	1872
Chorob Bydla	2275	Kansas State Univ., Manhattan	1927	Agricultural Research Service, Tifton, Ga.; C Research Div.	rop
Anderson, D T Sydney Univ., Australia; School of Biolo	ogical	Beck, E C Florida State Board of Health, Jacksonville			2239
Sciences	1918	Bell, D K	1868	Buchanan, R S Arizona Univ., Tucson; Dept. of Entomology	
Anderson, L M Pennsylvania Univ., Philadelphia	.,	Georgia Univ. Coll. of Agriculture Experimentions,; Tifton; Coastal Plain Station	t Sta-	Buford, W T	2207
Anderson, N V M	1919	Bell, R R	2119	Agricultural Research Service, State Col Miss.; Boll Weevil Research Lab.	llege 2208
Minnesota Univ., Minneapolis	2276	Minnesota Univ., Minneapolis	2359	Bullock, H R	
Andres, L A Agricultural Research Service, Albany, C Agricultural Experiment Station	Calif.;	Bennett, S P Bennett's Animal Clinic, Port-of-Spain, Trinid	ad 2278	Agricultural Research Service, Brownsville, 78520; Entomology Research Div.	1934
Armbrust, E J	2254	Berck, R		Burden, G S Agricultural Research Service, Gainesville.	Fla
Illinois Natural History Survey, Urhana; Secti Economic Entomology		Biologische Bundesanstalt für Land- und I wirtschaft,; Braunschweig, West Germany; Ins Virusserologie		32601; Entomology Research Div.	1935
Armstrong, G M	1920		2120	Busbice, T H Agricultural Research Service, Raleigh, N	C.
Oklahoma Univ., Norman	2116	Montreal Univ., Case Postale 6128, Qu		Crops Research Div.	2101
Ashley, R A Delaware Univ., Newark	2.1.0	Canada; Inst. of Experimental Medicine and gery		Buske, M Bezirks-Hygiene-Inst. potsdam, East Germany:	
Ashton, G C	2386	Berczi, 1	2279	teilung für Medizinische Parasitologie	2360
Hawaii Univ., Honolulu; Dept. of Genetics	2353	Montreal Univ., Quebec, Canada; Inst. of Exmental Medicine and Surgery		Buttiker, W	2300
Askew, R R	2353	Bertus, A L	2280		1873
Manchester University, England; Departme Zoology		Department of Agriculture, Rydalmere, Aust Biology Branch	ralia;	Calkins, C O Agricultural Research Service, Lincoln, N	Vehr
Aubert, J-F	1864		2121	68503; Entomology Research Div.	2209
Paris Univ., France; Lab. d'Evolution des Etre ganises		Varna, Boul. Chervenoameisky 4, Bulgaria	1870	Cameron, H R Oregon State Univ., Corvallis; Dept. of Botany	
Baccetti, B	1865	Beutling, D		Plant Pathology	
Siena Univ., Italy; Istituto di Zoologia	1866	Tierarztlicher Hygienedienst, Berlin, East many; Veterinar-Hygiene Inspektion	2281	Case, M T Illinois Univ., Urbana	2124
Baccetti, B Siena Univ., Italy; Istituto di Zoologia	1921	Bhargava, S Government Coll., Ajmer, India; Dept. of Zool	logy	Catarino, F M	2283
Baggiolini, M Station Federale d'essais agricoles, Lausanne,	Swit-	Bhargava, S	1928	Instituto Gulbenkian de Ciencia, Oeiras, Port Centro de Biologia	
zerland	2203		logy 1 929	Cates, M D	2125
Bahadur, J Vikram Univ., Ujjain, India; School of Studi		Blackith, R E Melbourne Univ., Parkville, Australia; Dep	ot. of	Nebraska Univ., Lincoln	1936
Zoology	1922	Genetics	1871	Cavalloro, R Centro Comune Ricerche Nucleari-ISF	
Bailey, J C Entomology Research Div., Stoneville, Miss. 3		Blackith, R E Melbourne Univ., Australia; Dept. of Genetics		EURATOM-SERVICIO: Biologia-Settore:	
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Cavalloro, R

Cavalloro, R Centro Comune Ricerche Nucleari-ISPRA; EURATOM Servicio: Biologia-Settore: En-	Agricultural Research Service, State College, Miss.; Entomology Research Div.	Ebert, E J. R. Geigy S. A., Bale, Switzerland, Dept. Prod. Antiparasitaires
tomologia 1938 Chakravarty, D K Indian Agricultural Research Inst., New Delhi,	Crovetti, A Sassari Univ., Italy; Istituto di Entomologia	Eckert, M Friedrich-Schiller-Univ., Jena, West Germany;
India 2126	Crystal, M M Agricultural Research Service, Mission, Texas; En-	Zoologisehen Inst. 1954 Efferson, J N
Chamberlain, D W Agricultural Research Service, Urbana, Ill.; Crops Research Div	tomology Research Div. 1947 Dahl, R	Louisiana State Univ., Baton Rouge; Coll. of Agriculture 2107
Chandler, W A Georgia Univ Coll. of Agriculture Experiment Sta-	Helsingborg, Eskilsgatan 28,sweden Dallai, R 1875	Egunjobi, O A Ibadan Univ., Nigeria; Dept. of Agricultural Biology
tions,; Georgia Station 2103 Chandra, II	Siena Univ., Italy; Istituto di Zoologia 1948 Danieli, G A	Ehrhardt, P
Dharwar, India	Padova Univ., Italy; Inst. di Zoologia, Anatomia comparata e Genetica	Bonn Univ., West Germany; Inst. fur Angenandte Zoologie
Chellman, C W Florida Forest Service, Tallahassee	Daniels, N E Department of Agriculture Southwestern Great	Ehrlein, H J Tierarztliche Hochschule, Hannover, West Ger-
Chen, P S Zurich Univ., Switzerland; Zoologisch-ver- gleichend anatomisches Inst.	Plains; Research Čenter, Bushland, Tex.; Texas Agricultural Experiment Station	many; Physiologisches Inst. 2287 Ehsan, A Pakistan Council of Scientific and Industrial
Cheo, P C	Das, C Animal Husbandry and Veterinary Dept., Assam,	Research,; Lahore
Los Angeles State and County Arboretum, Arcadia, Calif.; Research Div.	Gauhati;; India 2286 Datta, S K de	Ekholm, S Agricultural Research Center, Dickursby, Finland;
Chikkerur, S K Central Plant Protection Station, Dharwar, India	International Rice Research Inst., Los Banos, Laguna, Philippines	Dept. of Pest Investigation 2215
Childs, T W	Daum, R J	El-Kadi, M Ain Shams Univ., Cairo, Egypt; Faculty of Agricul-
Forest Service, Portland, Oregon; Pacific Northwest Forest and Range Experiment Station	Agricultural Research Service, State College, Miss.; Entomology Research Div.	ture 2447 El-Sharkawy, T A
Chladek, Z Ustredni Kontrolni a Zkusebni Ustav Zemedelsky,	Daynes, P Institut d'Elevage et de Medecine Veterinaire des	North Carolina State Univ., Raleigh
Brno; Odbor Karanteny a Ochrany Rostlin	Pays; tropicaux, Tananarive, Malagasy Republic; Lab. Central de l'Elevage	Elkan, E Shrodells Hospital, Watford, England; Group IX
Christensen, C M Minnesota Univ., St. Paul; Dept of Plant Pathology	DeGiovanni-Donnelly, R	Pathological Lab. 2288
Church, J C T	Bionetics Research Labs., Inc., Falls Church, Va.	Ellenby, C The University, Newcastle upon Tyne, England;
Makerere Univ. Coll. Medical School, Kampala, Uganda; Dept. of Anatomy 2284	Demski, J W Georgia Station, Experiment, Ga.; Dept. of Plant	Dept. of Zoology 2242
Clemons, G P Maryland Univ., Coll. Park 20742; Dept. of En-	Pathology Denarie, J	Elmore, C L California Univ., Davis; Agricultural Experiment Service
tomology 2388	Station de Recherches de Microbiologie des Sols, Dijon,; France	2256 Epps, J M
Clinch, P G Department of Agriculture, Wellington, New Zea-	Desi, 1	Agricultural Research Service, Jackson, Tenn.; Crops Research Div.
land; Wallaceville Animal Research Centre Coan, R M	University Medical School, Budapest, Hungary; Neuropathophysiological Lab.	Evans, W C
Agricultural Research Service, Beltsville, Md.; Entomology Research Div.	Desjardins, P R California Univ., Riverside; Dept. of Plant Patholo-	University Coll. of North Wales, Bangor; Dept. of Bioehemistry and Soil Science 2397
Cochaux, P	gy 2133	Evlakhova, A A Plant Protection Inst., Leningrad, USSR
Ministere Canadien des Forets et du Developpe- ment rural,; Quebec; Lab. de Recherches forestieres	Dietz, A Clark Coll., Atlanta, Ga.	Fain, A Institut de Medecine Tropicale Prince Leopold,
Collins, J F North Carolina Univ., Chapel Hill	Diniz, C R Minas Cerais Univ. Federal, Belo Horizonte, Brasil; Dept. de Bioquimica	Anvers.; Belgium 1957 Farkas, I
Cooper, C S Agricultural Research Service; Crops Research	Docavo Alberti, 1 Facultad de Ciencias, Valencia, Spain, Catedra de	Institute of Nutrition, Budapest, Hungary; Neropathophysiological Lab.
Div. Cooper, J E	Biologia Dogra, G S	Farooqui, M N Marathwada Univ., Aurangabad, India; Dept.
Quantocks, New Wokingham Road, Crowthorne, Berks, England	Udaipur Univ., India; Dept. of Zoology	zoology 1958
Cordell, C E	Donart, G B Utah State Univ., Logan	Farooqui, M N Marathwada Univ., Aurangabad, India; Dept. of
Forest Service, Ashville, N. C.; Southeastern Area	Dorough, H W	Zoology Farrow, R P
Coster, J E Texas A. and M. Univ., Coilege Station; Dept. of Entomology	Texas A. and M. Univ., College Station; Dept. of Entomology 2267	National Canners Association, Washington, D. C. 2398
Cothran, W R California Univ., Davis; Dept. of Entomology	Dowler, W M Agricultural Research Service, Clemson, S. C.; Crops Research Div.	Fastovskaya, E. I Institute of Parasitology and Tropical Medicine, Moscow.; Ussr
Crall, J M Florida Univ., Leesburg; Watermelon and Grape	Drummond, R O Agricultural Research Service, Kerrville, Tex.; En-	Fayeraman, M S Institute of Veterinary Preventive Medicine,
Investigations Lab.	tomology Research Div.	Ranipet, India 2290

Feeny, R. W. Maryland Univ., College Park. 2448	Gibbs, G W Victoria Univ., Wellington, New Zealand; Dept. of Zoology	Minas Gerais Univ. Federal, Belo Horizonte, Brasil; Dept. de Bioquimica
Feider, Z Al. I. Cuza Univ., Iasi, Rumania; Lab. de Zoologie	Ginns, J H Canada Dept. of Forestry and Rural Development,	Herforth, R S Nebraska Univ., Lincoln
Fenili, G A Stazione di Entomologia Agraria, Florence, Italy	Victoria.; British Columbia; Forest Research Lab.	Herne, D H C
Fenili, G A	Girolami, V Padova Univ., Italy; Istituto di Entomologia agraria 1970	Canada Dept. of Agriculture, Vineland Station, Ontario; Research Station 2080
Stazione di Entomologia Agraria, Florence, Italy 1961 Fernandez, A T	Gluud, A Forstweg 18, 23 Kiel, West Germany	Hightower, B G Agricultural Research Service, Mission, Tex.; En-
Agricultural Research Service, Brownsville, Tex.; Entomology Research Div.	Gluud, A Frankfurt Univ., West Germany; Zoologischen	tomology Research Div. 1980 Hinton, H E
isher, F E Iorida Univ., Lake Alfred; Citrus Experiment Sta-	Inst. 1972	Bristol Univ., England; Dept. of Zoology
ion 2136 Flattum, R F	Godan, D Berlin, West Germany	Hinton, H E Commonwealth Scientific and Industrial Research; Organization, Canherra, Australia; Div. of En-
llinois Univ., Urbana	Gonzalez, D California Univ., Riverside; Dept. of Biological	tomology Hinton, H E
leischmann, G lanada Dept. of Agriculture, Winnipeg, Manitoba; Research Station	Control 1974 Graham, J	Bristol Univ., England; Dept. of Zoology 1983
Fliegel, P	North Carolina State Univ., Raleigh	Hofmann, K Bezirkspflanzenschutzamt Pfalz, Neustadt a.d. Weinstrasse,; West Germany
Rutgers Univ., New Brunswick, N. J.; Dept. of Enomology and Economic Zoology 2244	Greer, G L Carlton Univ., Ottawa, Ontario, Canada; Dept. of Biology	2263 Hort, 1
ontanges, R dervice de Recherches du Service de Sante des Ar-	Grison, P	Hebrew Univ., Rehovot, Israel; Dept. of Physiology and Anatomy 2434
nees., Lyon, France; Division de Microbiologie 2291 Ford, R E	I. N. R. A., La Miniere, France; Laboratoire de Lutte biologique	Hosgood, S M W La Trobe Univ., Bundoora, Australia; School of
owa State Univ., Ames; Dept. of Botany and Plant Pathology 2137	Guerra, A A Agricultural Research Service, Brownsville, Texas;	Biological Sciences 2081 Hosny, M M
Franchi, P stituto Sicroterapico Milanese S. Belfanti, Italy	Entomology Research Div. 2216 Gutenmann, W H	Ain Shams Univ., Cairo, Egypt; Faculty of Agricul- ture 1985
Franker, C K California Univ., Los Angeles; Division of Oral	Cornell Univ., Ithaca, N. Y. 14850; Pesticide Residue Lab.	Hourrigan, J L Agricultural Research Service, Hyattsville, Md.;
Biology 2292	Hackman, W Zoological Museum, Helsinki, Finland	Animal Health Div. 2354 Howland, A F
Frankham, R Fanada Dept. of Agriculture, Lacombe, Alberta; Research Station	Hadorn, E Zurich Univ., Switzerland; Zoologisch-ver-	Agricultural Research Service, Riverside, Calif., Entomology Research Div.
Frankham, R Frankh	gleichend Anatomisches Inst.	Hughes, J T Department of Scientific and Industrial Research.
Research Station 2077	Hadwiger, L A Washington State Univ., Pullman; Dept. of Plant Pathology	Lower; Hutt, New Zealand; Chemistry Div. 2403 Huther, W
Freeman, G H East African Agriculture and Forestry Research Organization; Nairobi, Kenya	Hamilton, D J Department of Primary Industries, Brishane, Aus-	Saarbrucken Univ., West Germany; Zoologisches Inst.
Friend, M	tralia 2401	1884 Ignoffo, C M International Minerals and Chemical Corp. Growth
Vew York State Conservation Dept. 2293 Frishman, A M	Hardee, D D Agricultural Research Service, State College, Miss., Boll Weevil Research Lah.	Sciences; Center, Libertyville, III.
Purdue Univ., Lafayette, Ind.	Hardee, D D	Illing, K Bezirkstierklinik, Bad Langensalza, East Germany 2299
ristrom, J.W.L. California Univ., Berkeley 94708; Dept. of Genetics	Agricultural Research Service, State College, Miss.; Boll Weevil Research Lab.	Ishii, S Kyoto Univ., Japan; Pesticide Research Inst.
Gaines, T B	Harris, R L Department of Agriculture, Kerrville, Tex.;	Itikawa, O Tohoku Univ., Sendai, Japan; Dept. of Animal
Department of Health, Education, and Welfare, Atlanta, Ga.; Toxicology Lab.	Agricultural Research Service 1860 Harrison, D L	Husbandry 2300 Janda, V
Gara, R 1 Vashington Univ., Seattle; Coll. of Forest Resour- es	Department of Agriculture, Wellington, New Zealand; Wallaceville Animal Research Centre	JEPurkyne-Univ., Brno, Czechoslovakia; Ahteilung fur Vergleichende Physiologie
1966 Garcia-Bellido, A C. S. I. C., Madrid, Spain; Inst. Ramon y Cayal	Harrison, J National Agricultural Advisory Service, England; East Midland Region	Jander, R Frankfurt A M Univ., West Germany; Zoologisches
Geispits, K F	Hartung, R	Jenkins, P T
Addanov (A. A.) University of Leningrad; Laboratory of Entomology 1967	Michigan Univ., Ann Arhor 48104; Dept. of Industrial Health	Victorian Plant Research Inst., Burnley, Australia 2140 Jensen, H J
Georghiou, G.P. California Univ., Riverside; Dept. of Entomology	Heikinheimo, O Agricultural Research Centre, Tikkurila, Finland;	Oregon State Univ., Corvallis; Dept. of Botany and Plant Pathology
Getzendaner, M E California Univ., Riverside 92502; Dept. of En-	Dept. of Pest Investigation 1880 Hellen, W	Johnson, L A S Royal Botanic Gardens, Sydney, Australia; Na-
omology 2399	Zoologisches Museum, Helsinki, Finland 1882	tional Herharium of New South Wales 1885

Jones, C M

Jones, C. M. Agricultural Research Service, Lincoln, Nebr.; Entomology Research Div.	Klimaszewski, S M. Curie-Skłodowska Univ., Lublin, Poland; Dept. of Systematic Zoology	Leuamsang, P Ministry of Agriculture, Bangkok, Thailand, Rice Protection Research Center 2002
Josephson, L M Department of Agriculture. Knoxville, Tenn.; Agricultural Research Service	Kling, J M Florida Univ., Gainesville 2269	Lewis, J C Adelaide Univ., South Australia; Dept. of Human Physiology and Pharmacology
Josifov, M Bulgarian Academy of Sciences, Sofia; Zoological Inst.	Kluge, J P George Washington Univ., Wash., D. C. Koppenhofer, E 2307	Lichtenstein, E P Wisconsin Univ., Madison 53706; Dept. of En- tomology
Judy, K J Northwestern Univ., Evanston, III.	Saarlandes Univ., Homburg, West Germany; Physiologisches Inst. 2436 Kozera, W	Lindqvist, E Helsinki, Bredviksvagen 10,finland
Juszkiewicz, T Instytut Weterynarii, Pulawy, Poland; Zakład Far- makologii i Toksykologii 2301	Katedra Hodowli Roslin i Nasiennictwa, Cracow, Poland 2145	Linley, J R Entomological Research Center, Vero Beach, Fla. 2003
Kado, C 1 California Univ., Davis; Dept. of Plant Pathology 2142	Kraczkowski, H Wyzsza Szkoła Rolnicza, Lubin, Poland; Katedra Chemii Fizjologicznej	Linley, J R Entomological Research Center, Vero Beach, Fla Lipkow, E
Kadoum, A M Kansas State Univ., Manhattan; Dept. of En- tomology 1993	Kraft, J M Agricultural Research Service, Prosser, Wash.; Crops Research Div.	Kiel Univ., Germany: Inst. fur Phytopathologie 2223 Lloyd, J E
Kaiser, E Vienna Univ., Austria; Dept. of Medical Chemistry 2435	Kreutzer, R D Illinois Univ., Urbana	Florida Univ., Gainesville; Dept. of Entomology and Nematology 2005 Lugetti, G
Kalra, D S Punjab Agricultural Univ., Hissar, India; Dept. of Veterinary Bacteriology and Hygiene 2302	Krivolutsky, D A Akademie der Wissenschaften, Moscow, UdSSR; Lab. fur Bodenzoologie	Pisa Univ., Italy; Istituto di Biologia generale 1892 Lvova, L S
Kapoor, R P D Gorakhpur Univ., India; Dept. of Zoology	Kuc, J Purdue Univ., Lafayette, Ind.; Dept. of Biochemis-	All-Union Research Inst. of Grain and Products of its; Processing Macias, W 2381
Kapoor, S P Punjab Agricultural Univ., Ludhiana, India; Dept. of Botany and Plant Pathology 2143	try Kuhlman, E G Forest Service, Research Triangle Park, N. C.;	Institute of Vegetable Crops, Skieniwice, Poland 2224 Mackay, M. R. Condid, Dorter of Assirables at Ottoma, Oncorn
Kashin, P IIT Research Inst., Chicago, III.; Life Sciences Div.	Forestry Sciences Lab. 2148 Kurkdjian, A Institut Pasteur, Paris, France	Canada Dept. of Agriculture, Ottawa, Ontario, Canada; Entomology Research Inst. 1893 MacKenzie, D R
Kasy, F Vienna, Austria 1995 Katcho, Z A	Lal, H Government Poultry Farm, Khatipura, Distt.	Pennsylvania State Univ., University Park; Dept. of Plant Pathology 2150
Experimental Station, Aru-Ghraib, Iraq; Div. of Entomology and Plant Pathology 2246	Jaipur, Rajas; Than, India Lamb, F C	Mackerras, M J Commonwealth Scientific and Industrial Research; Organization, Canherra, Australia; Div. of En- tomology
Keller, F.A. Rutgers-State Univ., New Brunswick, N. J. Kelsey, J.M.	National Canners Association, Berkeley, Calif. 94710 2418 Lamb, K P	MacNamara, G M Rutgers-State Univ., New Brunswick, N. J.
Department of Scientific and Industrial Research, Lincoln,; New Zealand	Papua and New Guinea Univ., Port Moreshy, Australia 2219	Maestrone, G Hoffmann-La Roche, Inc., Nutley, N. J.; Agricultural Chemotherapy Lah.
Kelsey, J M Department of Scientific and Industrial Research, Lincoln, New Zealand; Entomology Div. 1997	Lambert, S M Shell Development Co., Modesto, Calif. 95350 Lammerink, J 2464	Mahdihassan, S Square Pharmaceuticals Ltd., Pabna, East Pakistan 2006
Kelsey, J M Department of Scientific and Industrial Research, Lincoln.; New Zealand; Entomology Div. 2218	Department of Scientific and Industrial Research,; Christchurch, New Zealand; Crop Research Div. 2220	Mahunka, S Hungarian Natural History Museum, Budapest, Dept. of Zoology
Kelsey, J M Department of Scientific and Industrial Research.; Christchurch, New Zealand; Crop Research Div.	Landis, B J Agricultural Research Service, Yakima, Wash.; Entomology Research Div. 2221	Mainland, C M Rutgers-State Univ., New Brunswick, N. J. 2450
Khalaf, K T Loyola Univ., New Orleans, La.	LaRow, E J Rutgers-State Univ., New Brunswick, N. J. Latshaw, W K	Malzacher, P bei Firma Lieder, Solitudeallee 59, 7140 Ludwig- sburg, West; Germany
Khan, A A California Univ. School of Medicine, San Francisco 94122; Div. of Dermatology 2098	Saskatchewan Univ., Saskatoon, Canada; Western Coll. of Veterinary Medicine	Manning, W J Delaware Univ., Newark 2451
Khan, A H Atomic Energy Agricultural Research Centre, Tando Jam.	Le Minor, L Institut Pasteur, Paris, France Leath, K T	Manuel, A J American Cyanamid Co., Princeton, N. J. 08540; Agricultural Div.
Kinloch, R A California Univ., Davis	Department of Agriculture, University Park, Pa.; Regional Pasture Research Lab.	Markell, E K Kaiser Foundation Hospital, Oakland, Calif., Dept. of Medicine
Kinnear, J F Melhourne Univ., Parkville, Australia; Dept. of Genetics 1998	Leggett, J E Agricultural Research Service, Tucson, Ariz.; Entomology Research Div. 2001	Marsh, C L Nebraska Univ., Lincoln 68503; Dept. of Veterinary Science
Kliejunas, J. T. Wisconsin Univ., Madison; Dept. of Plant Patholo- gy	Lehrer, A Z Academie de la Republique Socialiste, Romania; Centre de recherches biologiques	Martin, J S Michigan Univ., Ann Arbor
2257	1890	2008

Martins, R Secretaria da Agricultura, Sao Paulo, Brazil;	Dept.	Milicic, D Zagreb Univ., Yugoslavia; Botanisches Inst.	2153	Nilsson, O Statens veterinarmedicinska Anstalt, Stockholm, Sweden
de Zoologia	1896	Miller, P M	2123	2374
Masner, L Czechoslovak Academy of Science, Prague; I	nst. of	Connecticut Agricultural Experiment Station Haven; Dept. of Plant Pathology	. New 2248	Nottingham, P M Meat Industry Research Inst. of New Zealand, Hamilton
Entomology	1897	Mircetich, S M	2240	2325
Mathur, L M L Udaipur Univ., India; Agricultural Experimen	nt Sta-	Agricultural Research Service, Beltsville, Crops Research Div.		Nuesch, H Basel Univ., Switzerland; Zoologisches Inst.
tion	2009	Mistric, W J	2154	Nunberg, M
Mathur, L M L Udaipur Univ., India; Agricultural Experimen		North Carolina State Univ., Raleigh, Dept. o tomology		Agricultural Univ., Warsaw, Poland
tion	****	Adi-a-1- 33' 7	2227	O's8callaghan, D J
Maurice, Y Institut D'Elevage et de Medicine Veterinai	2010	Mistric, W J North Carolina State Univ., Raleigh; Dept. c tomology	of En-	Mississippi Univ. School of Medicine, Jackson; Dept. of Microhiology 2327
Pays; tropicaux, Fort Lamy, Chad, Lab, de Fa		who logy	2228	Obrig, T G
Maurice, Y	2318	Mitchell, J E Wisconsin Univ., Madison; Dept. of Plant Pa	tholo-	Illinois Univ., Urbana; Dept. of Plant Pathology 2456
Institute D'Elevage et de Medecine Veterinai	re des	8)	21.55	Omran, A O
Pays; tropicaux, Fort Lamy, Chad	2319	Mitchell, W. G.	2155	Department of Agriculture, Giza, United Arab
Mawdesley-Thomas, L. E.	2319	Virginia Polytechnic Inst., Blacksburg; Dept.	of En-	Republic 2162
Huntingdon Research Centre, England; De	pt. of	tomology		Onsager, J A
Pathology	2320	Mohanty, G P	2356	Agricultural Research Service, Yakima, Wash. 98902; Entomology Research Div.
Maximos, S E		South Dakota State Univ., Brookings		2022
Ain Shams Univ., Cairo, Egypt; Dept. of	Plant	Maraka di Nasa N	2323	Otte, D
Production		Montuelle, B Lille Univ., France; Lah. de Botanique		Michigan Univ., Ann Arbor
McCoy, C W	2452	Eme o my., Trance, Ean. de Botanique	2454	2023
Agricultural Research Service, Orlando, Fla	· Fn.	Morel, P C		Oye, E van Centre National Belge des Salmonella et des
tomology Research Div.	,	Institut d'Elevage et de Medecine Veterinair	e des	Shigella,; Brussels, Belgium
e.	2225	Pays; tropicaux, Maisons-Alfort, France	1000	2439
McDonald, 1 C C		Mortuedt, J.J.	1899	Pacheco, F
Virginia Polytechnic Inst., Blacksburg	2011	Tennessee Valley Authority, Muscle Shoals	. Ala.	Centro de Investigaciones Agricolas del Noroeste.
McDonald, S	2011	35660; National Fertilizer Development Cent		Sonora,; Mexico
Canada Dept. of Agriculture, Lethbridge, Alb	erta		2455	Palmer-Jones, T
	2012	Mount, M S Michigan State Univ., East Lansing; Dep		Department of Agriculture, Wellington, New Zea-
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Agricultural Research Service, Yakima, Wash tomology Research Div.	1.; En-	Zantany and Frank Fathering;	2156	Palmisano, A M
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McDonough, L M		California Univ., Riverside; Dept. of Entomolo	2018	2250
Agricultural Research Service, Yakima, Wash	ı.; En-	Munns, D N	2010	Pandurangrao, C C
tomology Research Div.	2014	California Univ., Davis; Dept. of Soils and	Plant	Indian Veterinary Research Inst., Mukteswar, India 2328
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Sydney Univ., Australia; Dept. of Agricu	iltural	Murray, K F	2157	Institut Pasteur d'Algerie; Lab. des Enterohacteries
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Meier, W		tan; Dept. of Statistics and Computer Science	2084	La Trobe Univ., Bundoora, Australia; School of
Eidgenossische Landwirtschaftliche Versuc	hsan-	Nauft, L R		Biological Sciences
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	2016	Fillmore, Calif.		2164
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Rai, L Central Grain Storage Research and Training Hapur,; Uttar Pradesh, India		Kentucky Univ., Lexington 40506; Dept. o	of En-	Schroeter, G L California Univ., Davis
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Siemer, S R Oregon State Univ., Corvallis	Stephen, W.F. Northwestern Univ., Evanston, III. 2055	Torbochkina, L 1 Ministry of Health, Moscow, USSR; All-Unio
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Sinclair, D P Department of Agriculture, Manutuke, New Zea-	Department of Agriculture, Oxford, N. C.; Agricultural Research Service 2058	Van Weel, P B Hawaii Univ., Honolulu; Dept. of Zoology
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Stadelbacher, E A Agricultural Research Service, Stoneville, Miss.; Entomology Research Div.	Tickner, N S Department of Agriculture, Cowra, Australia	Ward, B C Public Health Service, Rockville, Md.; Radiatio Bio-Effects Program
Steiner, H Landesanstalt für Pflanzenschutz, Stuttgart, West Germany	Timson, J Royal Infirmary, Manchester, England; Univ. Dept. of Medical Genetics	Wattiaux, J M Louvain Univ., Heverlee, Belgium; Lah. d Genetique F. A. Janssens

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Balock, J W 1924 Chandra, H 1939 Eckert, M 1954 Gluhovschi, N	2294
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2205 Childs, T W 2104 Elias, M 2294 Graham, H M	1962
Bathish, J. N 2425 Chino, H 1941 Elkan, E 2288 Graham, J	1975
Batra, H.N. 2382 Chintila, H. 2295 Elkins, E.R. 2398 Greany, P.D.	2029 2400
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Bennett, S P 2278 Cirio, U 1937 Ernst, S E 1952 Gutenmann, W H	2296
Benzie, J W 2129 Clemons, G P 2388 Et Al, 2354 Hackman, W	1879
Beratlief, Z 1953 Clinch, P G 1942 Evans, W C 2397 Hadorn, E	1977
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Berlin, West Germany 1887 Cochran, L C 2199 Fabey, J E 2423 Habn, E E A	2363
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Bernardí, G 1869 Cook, R W 2398 2430 Hanson, C H	2101
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Stuttgart Univ., West Germany Zoologisches Inst. 2007

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School of Biological Sciences 1969

University of Western Ontario, London Dept. of Zoology 2080

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