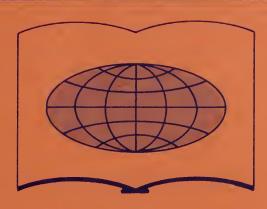


Pesticides DOCUMENTATION BULLETIN

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Volume 5 August 22, 1969 Number 17



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.

Other Files

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

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

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

Compound Tested

Company furnishing the compound

Author or Investigator

Test Sponsor

Date

Location

Mode of Application

Rates of Application

Soil Types

Carriers

Crops or Weeds tested with phytotoxicity ratings

Associated documentation

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

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ACKNOWLEDGMENT

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

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

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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

SYSTEMATICS

9865-69

NEW SPECIES OF CRANE FLIES FROM TROP-ICAL AMERICA. V. (DIPTERA: TIPULIDAE).

C P Alexander

Kans Entomol Soc J 42(1):83-90

Jan 1969 420 K13

Insect taxonomy, Tipulidae, Zoogeography.

9866-69

NEW OR LITTLE-KNOWN SPECIES OF EXOTIC TIPULIDAE (DIPTERA), XVI,

C P Alexander

Roy Entomol Soc London Proc Ser B Taxonom 38(3-4):33-39

06 May 1969 420 L84PB

Insect taxonomy, Tipulidae.

9867-69

GALL-INIIABITING LIOTHRIPS UZEL FROM INDIA.

T N Anantbakrishman A Jagadish Oriental Insects 2(2):205-217

Jun 1968 QL461.07

Gall-making insects, Habitats, Insect identification, Insect taxonomy.

The following species were described: Liothrips ater, L. bosei, L. cecidii, L. eugeniae, L. flaveseens, L. furvus, L. nubilis and L. strigosus.

9868-69

A NEW SUB-GENUS AND SPECIES OF THE EUMENINAE (IIYMENOPTERA, DIPLOPTERA) FROM THE BULGARIAN FAUNA. (GE)

N Atanassov

Bulgarska Akad Nauk Zool Inst Muz Izv 23:167-174

1967 410.9 B8721

Eumenidae, Insect taxonomy, Zoogeography. Russian abstract.

9869-69

A NEW GENUS OF NOTERIDAE (COLEOP-TERA: NOTERIDAE, NOTERINI).

J Balfour-Browne

Roy Entomol Soc London Proc Ser B Taxonom 38(1-2)15-6

18 Mar 1969 420 L84PB

Insect taxonomy, Noteridae.

9870-69

NEW SPECIES OF CHRYSOBOTHRIS FROM THE PACIFIC NORTHWEST (COLEOPTERA: BUPRESTIDAE).

W F Barr

Entomol Soc Wash Proc 71(2):117-132

Jun 1969 420 W27

Buprestidae, Chrysobothris, Insect morphology, Insect taxonomy, Pacific Northwest, Zoogeography.

The seven new species described are: Chrysobothris horningi, C. westcotti, C. potentil-lac, C. idahoensis, C. breviloboides, C. beeri, and C. columbiana.

9871-69

CHLOROPIDAE (DIPTERA), UNKNOWN IN THE FAUNA OF BULGARIA. (RUS)

V Beshovski

Bulgarska Akad Nauk Zool Inst Muz Izv 26:33-38 REF

1968 410.9 B872I

Chloropidae, Insect taxonomy, Surveys. English abstract.

9872-69

THE LARVAE OF ODONATA IN THE VASCULAR TERRITORY OF STAGNANT WATERS IN BULGARIA. (RUS)

V L Besovski

Bulgarska Akad Nauk Zool Inst Muz Izv 26:5-27 1968 410.9 B8721 Insect ecology, Insect taxonomy, Larvae, Odonata, Surveys, Zoogeography. German abstract.

9873-69

YESPIDAE FROM BULGARIA (IIYMENOPTERA, DIPLOPTERA). (GE)

P Bluthgen

Bulgarska Akad Nauk Zool Inst Muz Izv 23:229-234

1967 410.9 B872I

Surveys, Vespidae. Russian abstract.

9874-69

A NEW FAMILY TURANONISCIDAE FAM. N. (ISOPODA, ONISCOIDEA) FROM TERMITARIA OF MIDDLE ASIA. (RUS)

E V Borutzky

Zool Zhur 48(4):499-504

Apr 1969 410 R92

Insect nests, Insect taxonomy, Isopoda, Termites. English abstract.

9875-69

A NEW POLYMIXIS HB. OF SPAIN. POLYMIXIS LAJONQUIEREI BRSN. (SUPPLEMENTAL DESCRIPTION (I)) CONTRIBUTION TO THE STUDY OF NOCTUIDAE TRIFINAE 159(2). (FR)

C Boursin

Entomops (9):32-35

28 Sep 1967 QL461.E53

Insect genetics, Insect identification, Insect taxonomy, Noctuidae.

9876-69

THE IDENTIFICATION AND DISTRIBUTION OF QUADRASPIDIOTUS SPECIES (HOMOPTERA: DIASPIDIDAE) ON POME AND STONE FRUITS IN AUSTRALIA.

H M Brookes N M Hudson

Entomol Soc Australia (nsw) J 7(2):90-100 REF 31 Dec 1968 423.92 EN84

Aspidiotus, Diaspididae, Fruit, Insect taxonomy, Zoogeography.

Four species of Quadraspidiotus have been identified on pome and stone fruit trees in Australia, viz. Q. lenticularis (Lind.), Q. ostreaeformis (Curt.), Q. perniciosus (Comst.) and Q. pyri (Licht.). Keys differentiating these species have been provided for second instar nymphs and adult females. Both stages in the four species are described in detail and illustrated. Present known distribution of these species in the Australian states is included.

9877-69

CERCYONIS PEGALA ABBOTTI, NEW SUBSPECIES (LEPID., SATYRIDAE).

F M Brown

Entomol News (philadelphia) 80(7):193-196

Jul 1969 421 EN88

Insect taxonomy, Satyridae.

9878-69

LATHRIDIUS BIFASCIATUS REITT. (COL., LATHRIDIIDAE) HABITATS.

F D Buck

S London Entomol Natur Hist Soc Proc Trans 9(4):99

Dec 1967 420 SO8

Insect ecology, Lathridiidae.

9879-69

REVISION OF THE NEARCTIC MOTH GENUS ABAGROTIS SMITH WITH DESCRIPTIONS OF NEW SPECIES (LEPIDOPTERA: NOCTUIDAE), PART VI THE DUANCA AND PLACIDA GROUPS; CHECKLIST OF THE PRESENTLY KNOWN SPECIES WITHIN TILE GENUS.

J S Buckett

Calif Bur Entomol Occas Pap (17):3-27 MAP REF

1969 420 C122

Insect taxonomy, Noctuidae, Surveys, Zoogeography.

9880-69

BUTTERFLIES HT COLLOBRIERES, VAR. ALPES MAURES, PROVENCE IN JULY AND AUGUST 1967.

P Calderara

S London Entomol Natur Hist Soc Proc Trans 9(4):100-102

Dec 1967 420 SO8

Lepidoptera, Seasonal variation, Surveys.

9881-69

A CHANGE IN THE LEPIDOPTERA OF HAMP-STEAD AFTER FOUR DECADES.

C 1 Carter

S London Entomol Natur Hist Soc Proc Trans 9(4):123-125

Dec 1967 420 SO8

Lepidoptera, Surveys.

9882-69

EAR MITES OF THE GENUS DICROCHELES (ACARINA: MESOSTIGMATA) FOUND ON NOCTUIDS IN HAWKES BAY.

T H Davies

New Zeal Entomol 4(2):26-32

Apr 1969 421 N48

Ears, Insect behavior, Mesostigmata, Mites, Noetuidae, Parasitie insects.

9883-69

STUDY OF THE WORLD GYPONINAE (HOMOPTERA: CICADELLIDAE). A SYNOPSIS OF THE GENUS CLINONARIA.

D M DeLong P H Freytag Ohio J Sci 69(3):129-182

May 1969 410 OH3

Cicadellidae, Insect taxonomy, Surveys, Zoogeography.

9884-69

TWO NEW PALEARCTIC LITHOCOLLETIS SPECIES. (PRELIMINARY DESCRIPTION). (GE)

G Desehka

Wien Entomol Ges Z 78(9-10):84-85

15 Dec 1967 421 OS7

Graeillariidae, Inseet taxonomy, Zoogeography.

885-69

DESCRIPTION OF DENDROCERUS (T-MACROSTIGMA) NOUMEAE SP. NOV. FROM NEW CALEDONIA (CERAPHRONOIDEA, MEGASPILIDAE). (FR)

P Dessart

Entomophaga 12(4):343-349

1967 421 EN835

Ceraphronidae, Insect ecology, Insect taxonomy, Zoogeography. English abstracts.

9886-69

A NOTE: SOME RECORDS OF AUSTRALIAN NOCTUIDAE IN NEW ZEALAND.

J S Dugdale

New Zeal Entomol 4(2):13-14

Apr 1969 421 N48 Noctuidae, Surveys.

9887-69

A NEW SPECIES OF EPHYDRELLA TONNOIR AND MALLOCH (DIPTERA; EPHYDRIDAE),

L J Dumbleton

New Zeal Entomol 4(2):38-46 REF

Apr 1969 421 N48

Ephydridae, Insect taxonomy.

9888-69

NEW SIMULIIDAE (DIPTERA) FROM NEW CALEDONIA AND NORFOLK ISLAND.

L J Dumbleton

New Zealand J Sci 12(2):213-222 Jun 1969 514 N482

Insect taxonomy, Simuliidae.

CHARACTERS FOR IDENTIFICATION OF SOME COMMON PLUSIINE CATERPILLARS OF THE SOUTHEASTERN UNITED STATES.

ENTOMOLOGY

9890-69

BIBLIOGRAPHY

T D Eichlin H B Cunningham

Entomol Soc Amer Ann 63(3):507-510

May 1969 420 EN82

Insect taxonomy, Larvac, Plusiinae.

CONTRIBUTION TO THE KNOWLEDGE OF THE STAPHYLINIDAE. CI. DIVERSE REMARKS ON SOME QUEDIUS FROM THE EASTERN MEDITERRANEAN. (FR)

G Fagel

Inst Roy Sci Natur Belg Bull 44(12):1-13

25 Feb 1968 504 B835B

Insect taxonomy, Quedius, Zoogeography.

ALLOMORPHUS FRANZI, N. GEN., N. SPEC. (COLEOPTERA, CURCULIONIDAE), A NEW SPECIES AND GENUS FROM AUSTRIA. 8. CONTRIBUTION TO THE KNOWLEDGE OF THE PALEARCTIC COSSONINAE. (GE)

B Folwaczny

Entomol Bl 64(1):41-42

15 Jul 1968 421 EN833

Aliomorphus franzi, Cossoninae, Curculionidae, Insect taxonomy.

9892-69

CONTRIBUTION TO THE KNOWLEDGE OF THE COCCIDAE FROM BRAZIL (HOMOP-TERA-COCCIDEA). (POR)

J P de Fonseca

Sao Paulo Inst Biol Arq 36(1,JAN-MAR):9-40 REF

Mar 1969 442.9 SA6

Coccoidea, Insect taxonomy.

Three new genera, nine new species and two new suh-species of the Coccoidea, are described in this paper, as well as Pseudoparlatoria caucae Balachowsky, from Columbia, which has been recently found in Brazil.

SCYMNUS (SIDIS) IIIEKEI FURSCH, AS A FOE OF PSEUDOCOCCUS CITRI RISSO. (GE)

H Fursch

Entomophaga 12(3):309-310

1967 421 EN835

Coccinellidae, Insect taxonomy, Planococcus citri, Predaceous insects, Scymnus. French abstract.

RESULTS OF AN AUSTRIAN LEPIDOPTERA COLLECTING TRIP TO SYRIA AND LEBANON. (PART V.: EPERMENIIDAE). (GE) R Gaedike

Wien Entomol Ges Z 78(9-10):85-88

421 OS7

Epermeniidae, Insect taxonomy, Surveys.

9895.69

THOMISUS ONUSTUS WALCK. (ARACHNIDA) RECORDED IN ERROR FROM THURSLEY COMMON SURREY.

P A Goddard

S London Entomol Natur Hist Soc Proc Trans 7(6,PT 1):14

Mar 1967 420 SO8

Arachnida, Insect taxonomy.

9896-69

CNEMACANTHA ILLOTA (LOEW) (DIPT., LAUXANIIDAE) RECORDED IN ERROR FROM STANMORE COMMON, MIDDX.

P.A. Goddard

S London Entomol Natur Hist Soc Proc Trans 7(6,PT 1):12

Mar 1967 420 SO8

England, Insect taxonomy, Lauxaniidae.

ORIENTAL SPECIES OF COESULA CAMERON (HYMENOPTERA: ICIINEUMONIDAE).

V K Gupta J K Jonathan Oriental Insects 2(2):155-193 MAP Jun 1968 QL461.07

Ichneumonidae, Insect identification, Insect taxonomy, Zoogeography. 11 new species and 5 new subspecies are described.

NEW DROSOPHILA SPECIES FROM NORTHERN FENNOSCANDIA (DIPTERA).

W Hackman

Notulae Entomol 49(2):69-72

1969 421 N84

Drosophila, Insect taxonomy.

THE OCCURRENCE OF DANIS HYMETUS TAYGETUS (FELDER) AT BAYVIEW, NEW SOUTH WALES.

L C Haines

24 Apr 1969 410.9 N48P

Insect taxonomy, Lycaenidae. Proceedings for the years 1967-68

THE TIGER MOTHS OF THE COUNTY OF CUMBERLAND, NEW SOUTH WALES.

L C Haines

59-61

24 Apr 1969 410.9 N48P

Arctiidae, Surveys. Proceedings for the years 1967-

9901-69

A KEY TO THE SPECIES OF CARCINOPS MARSEUL (COLEOPTERA, HISTERIDAE) AS-SOCIATED WITH STORED PRODUCTS, IN-CLUDING C. TROGLODYTES (PAYKULL) NEW TO THIS HABITAT.

D G H Halstead

J Stored Prod Res 5(1): 83-85

May 1969 421 J829

Histeridae, Insect taxonomy, Stored products, Surveys.

9902-69

LIST OF INSECT AND OTHER INVERTEBRATE TYPES IN THE MIGUEL LILLO IN-STITUTE. (3RD LIST). (SP)

K J Hayward

Acta Zool Lilloana 22:337-352

1967 410 AC82

Catalogs, Insect collection.

THREE NEW SPECIES OF GENOS BLAPTICA, STAL, 1874 (DICTYOPTERA, BLABERIDAE OF THE REPUBLIC OF ARGENTINA). (SP

H C Hepper

Acta Zool Lilloana 22:221-229

1967 410 AC82

Blaberidae, Insect taxonomy, English abstract.

9904-69

CADDIS LARVAE.

N E Hickin

S London Entomol Natur Hist Soc Proc Trans 9(4):102

Dec 1967 420 SO8

Larvae, Reviews, Trichoptera.

SYNONYMY OF KEIFERIA GLOCHINELLA (ZELLER) AND RELATED NAMES (LEPIDOP-TERA: GELECHIIDAE).

R W Hodges

Entomol Soc Wash Proc 71(1):34-37 MAP REF Mar 1969 420 W27

Gelechiidae, Insect taxonomy, Isophrictis similiella, Keiferia glochinella, Keiferia inconspicuella.

A NEW SPECIES OF TRICHACOIDES FROM INDIA WITII A REDESCRIPTION OF T. SCU-TELLARIS DODD (HYMENOPTERA: PLATYGASTERIDAE).

D. Jackson

Roy Entomol Soc London Proc Ser B Taxonom 37(9-10):121-124

22 Nov 1968 420 L84PB

Insect taxonomy, Platygasteridae.

A second species of Trichaeoides Dodd, parasitic on Procontarinia sp. (Cecidomyiidae), is described from India. The first description of a male of this genus is given. Trichacoides scutellaris Dodd, the type species, is redescribed and illustrated, and a revised generic diagnosis presented.

PALEARCTIC SPECIES FROM THE GENUS PHYMATA LATREILLE, 1802 (HEM. HET. REDUVIDAE). (RUS)

M Josifov

Bulgarska Akad Nauk Zool Inst Muz Izv 26:29-32 1968 410.9 B872I

Insect taxonomy, Reduviidae.

THE SUBGENUS PERSICARGAS (IXODOIDEA, ARGASIDAE, ARGAS). 7. A. (P.) WALKERAE, NEW SPECIES, A PARASITE OF DOMESTIC FOWL IN SOUTHERN AFRICA.

M N Kaiser H Hoogstraal

Entomol Soc Amer Ann 62(4):885-889

Jul 1969 420 EN82

Argas, Insect taxonomy, Parasitic insects, Poultry, Zoogeography.

9909-69

REVISION OF THE PSEU-DOMORPHACRIDINI (ORTHOPTERA: ACRI-DOIDEA: PYRGOMORPHIDAE).

D K M Kevan

Oriental Insects 2(2):141-154 MAP

Jun 1968 QL461.07

Insect identification, Insect taxonomy, Orthoptera, Pyrgomorphidae, Zoogeography.

SPECIES OF NEW FICALBIA (RAVENALITES) FROM CAMBODIA (DIPTERA: CULICIDAE).

J M Klein

Entomol Soc Wash Proc 71(2):215-217

Jun 1969 420 W27

Culicidae, Ficalhia, Insect morphology, Insect taxonomy, Zoogcography.

9911-69

MITES OF THE SUPER-FAMILY GAMASOIDEA ON MICROMAMMALIA IN THE WESTERN BALKAN RANGE. (RUS) SUPER-FAMILY M Kovumdiieva

Bulgarska Akad Nauk Zool Inst Muz Izv 26:47-49 1968 410.9 B8721

Acarina, Mammals, Surveys. English abstract.

OCHROMOLOPIS ICTELLA HB. (LEPIDOPTERA, EPERMENIIDAE) IN FINLAND, PROBABLY TRANSPORTED BY WINDSTORM.

(GE) H Krogerus

Notulae Entomol 49(2):86-88 MAP

1969 421 N84 Epermeniidae, Insect dissemination, morphology, Wind dispersal.

AMPHIPYRA PYRAMIDEA L. AND A. BERBERA RUNGS IN FINLAND (LEPIDOP-TERA, NOCTUIDAE). (GE)

H Krogerus

Notulae Entomol 49(2):83-85

1969 421 N84

Amphipyra herbera, Amphipyra pyramidea, Insect morphology, Zoogeography.

A NEW SPECIES OF MESIDIA (IIYMENOP-TERA: APHELINIDAE) FROM CALIFORNIA.

C F Lagace

Entomol Soc Amer Ann 63(3):530-531 May 1969 420 EN82

Aphelinidae, Insect taxonomy.

9915-69

ON SERGENTOMYIA RUTTLEDGEI (LEWIS KIRK) AND S. SCHWETZI (ADLER, THEODOR PARROT) (DIPTERA: PSYCHODIDAE).

D J Lewis G R Barnley D M Minter

Roy Entomol Soc London Proc Ser B Taxonom 38(3-4):53-60 REF

06 May 1969 420 I.84PB

Insect taxonomy, Psychodidae.

9916-69

NEW MYMARIDAE FROM CENTRAL AFRICA. (IIYMENOPTERA: CHALCIDOIDEA). (FR)

G Mathot

Rev Zool Bot Afr 78(3/4):265-276

30 Dec 1968 410 R26

Acmopolynema, Anagrus, Hymenenoptera, Insect identification, Insect taxonomy, Lymaenon, Mymaridae, Zoogeography. Several new species of the three genera are described.

9917-69

A NEW SPECIES OF EPIDERMOPTES FROM A SOUTH DAKOTA PHEASANT (ACARINA: EPIDERMOPTIDAE).

B McDaniel G C Parikh

Kans Entomol Soc J 42(1):34-38

Jan 1969 420 K13

Epidermoptidae, Insect taxonomy.

9918-69

A NEW SPECIES OF CHRYSOMELA (COLEOPTERA, CHRYSOMELIDAE)-AN IMPORTANT COMPONENT OF THE TAIMYR PENINSULA BIOCOENOSES. (RUS)

I. N Medvedev Yu I Chernov

Zool Zhur 48(4):532-537

Apr 1969 410 R92

Chrysomelidae, Insect ecology, Insect taxonomy. English abstract

9919-69

THE GENUS HETEROCONIS ENDERLEIN, 1905 (NEUROPTERA, CONIOPTERYGIDAE).

M Meinander

Notulae Entomol 49(2):49-68

1969 421 N84

Coniopterygidae, Insect taxonomy, Zoogeography.

9920-69

FURTHER RECORDS OF THE DISTRIBUTION OF PETROBIA LATENS (MULLER) (ACARINA: TETRANYCHIDAE), A PEST OF WHEAT IN INDIA TOGETHER WITH THE DESCRIPTION OF A NEW SPECIES OF PREDATORY MITES ON THE SAME.

M G R Menon S Ghai

Indian J Entomol 30(1):77-79

Mar 1968 420 IN23

Petrohia latens, Predaceous insects, Wheat, Zoogeography.

9921-69

THREE NEW RECORDS OF BRYOBIINAE FROM INDIA (ACARINA: TETRANYCHIDAE).

Menon S Ghai

Indian J Entomol 30(1):88-89

Mar 1968 420 IN23

Surveys, Tetranychidae.

9922-69

PRESENTATION OF AQUATIC HETEROP-TERAN FAUNA II, AQUATIC HETEROPTERA FROM EVORA, PORTUGAL. (FR)

N Nieser

Entomol Ber 29(1):2-6 REF

01 Jan 1969 420 N38B

Aquatic insects, Heteroptera, Surveys. English abstract.

9923-69

A NEW DANAUS SPECIES FROM CENTRAL-CELEBES.

E J Nieuwenhuis

Entomol Ber 29(1):18-19

01 Jan 1969 420 N38B

Danaus, Insect taxonomy.

9924-69

THE STRUCTURE OF POLYMORPHIC SPECIES OF THE SUBGENUS AUTOLETHRUS (COLEOPTERA, SCARABAEIDAE) FROM SOUTH KAZAKHSTAN. (RUS)

G V Nikolajev

Zool Zhar 48(4):524-531

Apr 1969 410 R92

Insect taxonomy, Polymorphism, Scarahacidae, English abstract.

9925-69

CORRECTION TO THE KEY OF THE EUROPE-AN GYRINUS SPECIES. (GE

G Ochs

Entomol BI 64(1):64

15 Jul 1968 421 EN833

Gyrinidae, Gyrinus, Insect taxonomy.

9926-6

NEW MIMARIDS OF ARGENTINA (HYMENOPTERA; MYMARIDAE). (SP)

A A Oglohlin

Acta Zool Lilloana 22:183-196

1967 410 AC82

Insect taxonomy, Mymaridae. English abstract.

9927-69

THE FAMILY LEPTOGASTRIDAE (DIPTERA). H Oldroyd

Roy Entourol Soc London Proc Ser B Taxonom 38(1-2):27-31

18 Mar 1969 420 L84PB

Asilidae, Insect names, Insect taxonomy, Leptogaster,

9928-69

BULGARIAN GRASSHOPPERS (HOMOPTERA: AUCHENORRHYNCHA). (RUS)

P Pelov

Bulgarska Akad Nauk Zool Inst Muz Izv 26:159-171 REF

410.9 B8721

Homoptera, Insect taxonomy, Surveys. German abstract.

9929-69

THE BUTTERFLIES OF LORD HOWE ISLAND. J V Peters

63-64

24 Apr 1969 410.9 N48P

Lepidoptera, Surveys. Proceedings for the years 1967-68

9930-69

THREE NEW SPECIES OF HETEROMENOPON (MALLOPHAGA: MENOPONIDAE) FROM BRAZILIAN AND AUSTRALIAN PARROTS. R D Price

Entomol Soc Amer Ann 63(3):563-566

May 1969 420 EN82

Insect taxonomy, Menoponidae, Parrots.

9931-69

A NEW NORTH PALEARCTIC STENUS: ST. (NESTUS) CORIACEUS N. SP. (COLEOPTERA, STAPHYLINIDAE) (58. CONTRIBUTION TO THE KNOWLEDGE OF THE STENIDS). (GE)

V Puthz

Notulae Entomol 49(2):80-82

1969 421 N84

Insect taxonomy, Staphylinidae.

9932-69

FIRST RECORD OF AEWASIUS ADVENA COMPERE (ENCYTRIDAE: HYMENOPTERA) FROM INDIA AS A PARASITE OF FERRISIA VIRGATA CKLL...

R R Rawat B N Modi

Indian J Entomol 30(1):85

Mar 1968 420 IN23

Encyrtidae, Ferrisia virgata, Parasitie inseets, Surveys.

9933-69

A NEW GENUS AND KEY TO THE SPECIES OF AUSTRALIAN STILBOPTERYGIDAE (NEUROPTERA).

E. F. Rick

Entomol Soc Aastralia (nsw) J 7(2):105-108 31 Dec 1968 423.92 EN84

Inscet taxonomy, Neuroptera.

9934-69

SPIRACLES OF ADULT SCARABAEOIDEA (COLEOPTERA) AND THEIR PHYLOGENETIC SIGNIFICANCE. I. THE ABDOMINAL SPIRA-CLES.

P O Ritcher

Entomol Soc Amer Ann 62(4):869-880 REF

Jul 1969 420 EN82

Abdomen, Insect evolution, Insect names, Insect taxonomy, Lucanidae, Passalidae, Scarabacidae, Spiraeles.

9935-69

NEOTROPICAL COCKROACHES OF THE EPILAMPRA ABDOMENNIGRUM COMPLEX; A CLARIFICATION OF THEIR SYSTEMATICS (DICTYOPEERA, BLATTARIA).

L M Roth A B Gurnet

Eutomol Soc Amer Ann 63(3):617-627 REF

May 1969 420 EN82

Blattaria, Insect taxonomy, Neotropical Region.

936-69

NEW SPECIES AND RECORDS OF NASU-TITERMITINAE (ISOPTERA: TERMITIDAE) FROM AFRICA.

W A Sands

Roy Entomol Soc London Proc Ser B Taxonom 37(11-12):163-169 MAP

20 Dec 1968 420 L84PB Insect taxonomy, Surveys, Termites, Zoogeog-

raphy.

9937-69 DISTRIBUTION AND ESTABLISHMENT OF TETRASTICHUS INCERTUS IN THE EASTERN

UNITED STATES. R F W Schroder J L Huggans D J J Horn G York Eutomol Soc Amer Ann 62(4):812-815 MAP Jul 1969 420 EN82

Surveys, Tetrastichus incertus, Zoogcography.

Tetrastichus incertus (Ratzcburg) (Hymenoptera: Eulophidae), a larval parasite of the alfalfa weevil, Hypera postica (Gyllenhall), has become established in 10 middle Atlantic and New England States since its initial release in New Jersey in 1960 and its subsequent release in 14 other States. The release sites and the dispersal and distribution in the Eastern United States are reported for the period from 1960 to June 1968.

9938-69

9938-69 LYMANTRIIDAE--EAST VERSUS WEST

AFRICA.

D G Sevastopulo S London Entonnol Natur Hist Soc Proc Trans

7(6,PT 1):15-17 Mar 1967 420 SO8

Insect taxonomy, Lymantriidae.

9939-69

LIMACODIDAE- EAST VERSUS WEST AFRICA.

D G Scvastopulo

S London Entomol Natur Hist Soc Proc Trans 9(4):98-99

Dec 1967 420 SO8

Insect taxonomy, Limacodidae.

0040-60

NEW SPECIES OF BEETLE MITES OF THE FAMILY CHAMDBATIDAE (ORIBATEI) FROM THE USSR. (RUS)

E S Shaldybida

Zool Zhur 48(4):518-523

Apr 1969 410 R92

Insect taxonomy, Mites, Oribatei. English abstract.

9941-69

MORDELLISTENA PUMILA GROUP IN FIN-LAND (COLEOPTERA, MORDELLIDAE). (SW) H Silfverberg

Notulae Entomol 49(2):110

ENTOMOLOGY

9942-69

1969 421 N84 Mordellidae, Surveys, Zoogeography.

SIPHONAPTERA FROM INARI, FINLAND.

W Sinclair

S London Entomol Natur Hist Soc Proc Trans 7(6.PT 1):13-14

Mar 1967 420 SO8

Insect taxonomy, Siphonaptera.

9943-69

APHID FAUNA OF MACEDONIA. (RUS)

D G Taschev

Bulgarska Akad Nauk Zool Inst Muz Izv 26:173-182

1968 410.9 B8721

Aphididae, Insect taxonomy, Surveys. German ahstract.

9944-69

A NEW MALAYAN SPECIES OF THE ANT GENUS EPITRITUS AND A RELATED NEW GENUS FROM SINGAPORE (HYMENOPTERA: FORMICIDAE).

R W Taylor

Entomol Soc Australia (nsw) J 7(2):130-134

31 Dec 1968 423.92 EN84

Formicidae, Insect taxonomy.

PARCUS PHILONTHUS SHARP (COL., STAPHYLINIDAE) IN BRITAIN.

C E Tottenham

S London Entornal Natur Hist Soc Proc Trans

7(6,PT 2):46-47 May 1967 420 SO8

Insect taxonomy, Staphylinidae.

9946-69

BULGARIAN FAUNA AGEOUS WASPS (SYN NEW PHYTOPHAGEOUS (SYMPHYTA, HYMENOPTERA). (RUS)

1 B Vasiley

Bulgarska Akad Nauk Zool Inst Muz Izv 26:183-

1968 410.9 B872I

Insect taxonomy, Phytophagous insects, Symphyta, Zoogeography. German abstract.

A NEW NAME FOR THE GENUS CYRTOLABUS VAN DER VECHT (HYMENOP-TERA, EUMENIDAE).

J VAN DER Vetch

Entomol Ber 29(1):1

01 Jan 1969 420 N38B

Eumenidae, Insect taxonomy, Nomenclature.

9948-69

SOME NEW RECORDS OF BUTTERFLIES FROM NEPAL.

S R Wadhi B Parshad

Indian J Entomol 30(1):92-93

Mar 1968 420 IN23

Lepidoptera, Surveys, Zoogeography.

ADELPHOCORIS MINOR SPEC. NOV. (HETEROPTERA, MIRIDAE). (GE)

E Wagner

Notulae Entomal 49(2):105-107

1969 421 N84

Insect taxonomy, Miridae, Zoogeography.

ADDITIONS TO THE GENUS ALLOEONOTUS FIEBER, 1878 (HETEROPTERA, MIRIDAE). (GE)

E Wagner

Natulae Entomol 49(2):108-110

1969 421 N84

Insect taxonomy, Miridae, Zoogeography.

9951-69

NEW ORTHOTYLUS AND PACHYLOPS SPE-CIES (HETEROPTERA, MIRIDAE). (GE) E Wagner

BIBLIOGRAPHY

1969 421 N84 Insect taxonomy, Miridae, Zoogeography,

SEVERAL GLOBICEPS-SPECIES (HETEROP-TERA, MIRIDAE). (GE)

E Wagner

Notidae Entornol 49(2):89-98

Natulae Entomol 49(2):99-104

1969 421 N84

Insect taxonomy, Miridae, Surveys.

9953-69

KEYS TO GENERA AND SOME SPECIES OF NEW ZEALAND LATHRIDIIDAE (COLEOP-TERA).

J C Watt

New Zeal Entornal 4(2):49-67 REF

Apr 1969 421 N48

Insect taxonomy, Lathridiidae.

9954-69

HYPOCYPTUS NITIDUS PALM. (COL., STAPHYLINIDAE) IN THE JOY COLLECTION. S A Williams

S London Entomol Natur Hist Soc Proc Trans

Dec 1967 420 SO8

Insect identification, Staphylinidae.

9955-69

QUEDIUS (MICROSAURUS) SCITUS (GRAV.) (COL., STAPHYLINIDAE) A TERATOLOGICAL SPECIMEN.

S A Williams

S London Entornal Natur Hist Soc Proc Trans 10(3):66

Aug 1967 420 SO8

Insect identification, Quedius, Staphylinidae.

DESCRIPTION OF IMMATURE STAGES OF COREIDAE, 3. ARCHIMERUS ALTERNUS.

T R Yonke J T Medler

Entornal Soc Amer Ann 63(3):477-480 May 1969 420 EN82

Coreidae, Insect eggs, Insect taxonomy, Nymphs.

DESCRIPTION OF IMMATURE STAGES OF COREIDAE. I. EUTHOCHTHA GALEATOR. T R Yonke J T Medler

Entomal Sac Amer Ann 63(3):469-473 May 1969 420 EN82

Coreidae, Insect eggs, Insect taxonomy, Nymphs.

PHYSIOLOGY AND BIOCHEMISTRY

9958-69

ON TWO NEW SPECIES OF TEREBRANTIAN THYSANOPTERA WITH REMARKS ON A NEW GENUS PELLOTHRIPS.

T N Ananthakrishnan

Oriental Insects 2(2):201-204

Jun 1968 OL461.07

Insect identification, Insect taxonomy, Thysanoptera, Zoogeography.

9959-69

HELICOPTER SPRAYERS MAY RESCUE IN-FESTED FORESTS.

Anonymous

Agr Res 17(11):12

May 1969 1.98 AG84

Aerial spraying, Biological control (insects), Forest insects, Helicopters, Hemerocampa pseudotsugata, Insect diseases, Insect pests, Polyhedroses, Spraying equipment.

9960-69

ULTRASTRUCTURAL OBSERVATIONS ON THE BRANCHED RODS ASSOCIATED WITH SOME INSECT GRANULOSES.

H J Arnott K M Smith J Invertebrate Pathol 13(3):345-350 May 1969 421 J826

Cytology, Electron microscopy, Granuloses, Insect diseases

LACTIC DEHYDROGENASE ISOZYMES IN THE GRASSHOPPER.

J N Aronson J R Fish F A Muckenthaler Compar Biochem Physiol 24(2):657-659 REF

Feb 1968 444.8 C73

Electrophoresis, Insect biochemistry, dehydrogenase, Melanoplus differentialis, Museles, Testes, Tissue extracts.

IXODES PACIFICUS COOLEY AND KOHLS, 1943: ITS LIFE-HISTORY AND OCCURRENCE.

D R Arthur K R Snow

Parasitology 58(4):893-906 MAP REF

Nov 1968 448.8 P21

Animals, Insect biology, Ixodes, Life cycle, Surveys, Zoogeography.

9963-69

DESCRIPTION OF THE MALE, PUPA, AND LARVAL HABITAT OF NILOBEZZIA LARVAL HABITAT BREVICORNIS (DIPTERA: CERATOPOGONIDAE).

W R Atchley

Kans Entomol Sac J 42(1):54-57

Jan 1969 420 K13

Ceratopogonidae, Habitats, Insect morphology, Larvae, Pupae.

9964-69

STUDIES ON AN ISRAEL STRAIN OF ANAGYRUS PSEUDOCOCCI (GIRAULT) (HYM., ENCYRTIDAE). II. SOME BIOLOGICAL ASPECTS.

Z Avidov Y Rossler D Rosen Entemophaga 12(2):111-118

1967 421 EN835

Anagyrus pseudoeoeei, Inseet hehavior, Inseet biology, Longevity, Planococcus citri, Reproduction.

9965-69

LIFE HISTORY AND HABITS OF SIALIS ROTUNDA AND S. CALIFORNICA IN WESTERN OREGON.

K M Azam N H Anderson

Entomal Sac Amer Ann 63(3):549-558 REF May 1969 420 EN82

Insect biology, Insect ecology, Sialidae.

9966-69

SEASONAL CHANGES IN THE DISTRIBUTION OF THE MILLIPEDE CYLINDROIULUS PUNCTATUS (LEACH) IN DECAYING LOGS AND SOIL.

B Banerjee J Anim Ecol 36(1):171-177 REF

Feb 1967 410 J826

Diplopoda, Habitats, Logs, Soil sampling.

9967-69

NOTE ON PROSPALTELLA AURANTII HOW. (IIYM., APHELINIDAE), PARASITE OF QUADRASPIDIOTUS PYRI LICHT. IN THE MATITIME ALPS (HOM., DIASPIDINAE). (FR)

C Benassy H Bianchi

Entomophaga 12(2):181-186 1967 421 EN835

Aspidiotus pyri, Biological control (insects), Insect biology, Prospaltella aurantii. English abstract.

INTRACELLULAR ACTIVITY IN CRICKET NEURONS DURING THE GENERATION OF BEHAVIOUR PATTERNS.

D R Bentley

J Insect Physiol 15(4):677-699 REF

Apr 1969 421 J825

Electrophysiology, Gryllus campestris, Insect behavior, Insect physiology, Nervous system.

SINDBIS VIRUS MULTIPLICATION AND CAL-ERYTIIROCEPHALA LIPHORA (MEIG.) METAMORPHOSIS. (FR)

A Berkaloff P Berreur P Cals

Acad Sci Compt Rend Ser D Sci Nat 264(11, 1ST SEMESTER):1545-1548

13 Mar 1967 505 P21

Calliphora vicina, Hormones, Insect diseases, Inseet physiology, Metamorphosis, Sindbis virus.

9970-69

NOTES ON THE BIOLOGY OF DIATRAEOPHAGA STRIATALIS TOWNSEND, TACHINID PARASITE OF SACCHARIPHAGUS BOJ. (FR) **PROCERAS**

M Betbeder-Natihet

Entomophaga 12(2):161-173

1967 421 EN835

Diatracophaga striatalis, Insect hiology, Insect physiology, Predaceous insects, sacchariphagus.

9971-69

OVIPOSITION BEHAVIOUR OF THE DESERT LOCUST (SCHISTOCERCA GREGARIA FORSKA.

K R Bhatia S C Harjai

Indian J Entomol 30(2):109-112 REF

Jun 1968 420 IN23

Insect behavior, Insect biology, Oviposition, Schistocerea gregaria.

AN INTEGRATED TECHNIQUE TO STUDY THE EFFECTS OF FUMIGANTS ON RESPIRA-TION OF INSECTS.

S S Bhatia

J Stored Prod Res 5(1):57-67 REF

May 1969 421 J829

Acetone, Chloroform, Ethyl ether, Fumigants, Insect physiology, Insect respiration, Methodology, Periplaneta americana.

QUANTITATIVE DETERMINATION OF URIC ACID IN INSECT FECES BY LITHIUM CARBONATE EXTRACTION AND THE ENZYMATIC-SPECTROPHOTOMETRIC METHOD.

A K Bhattacharya G P Waldbauer

Entomol Soc Amer Ann 62(4):925-927 REF

Jul 1969 420 EN82

Methodology, Quantitative analysis, Statistical analysis, Tenebrio molitor, Tenebroides mauritanieus, Uric acid.

9974-69

STUDIES ON BROOD REARING ACTIVITY OF INDIAN HONEY BEE APIS INDICA F. UNDER DELHI CONDITIONS.

D S Bisht N C Pant

Indian J Entomol 30(3):223-228

Sep 1968 420 IN23

Apiculture, Apis indica, Feeding, Insect nutrition, Insect physiology, Insect rearing.

9975-69

RECOVERY OF MITES FROM PEAT AND MINERAL SOILS USING A NEW FLOATATION METHOD.

W Block

J Anim Ecol 36(2):323-327 REF

Jun 1967 410 J826

Flotation, Methodology, Mites, Peat, Soil sampling.

EFFECT OF TEMPERATURE ON THE DEVELOPMENT OF MUSTARD SAWFLY, ATHALIA PROXIMA KLUG. (HYMENOPTERA: TENTHREDINIDAE).

J K Bogawat

Indian J Entomol 30(1):80-82

Mar 1968 420 IN23

Athalia proxima, Insect biology, Insect physiology, Temperature, Tenthredinidae.

A NEW CARADRINA O, OF SPAIN- CONTRIBUTIONS TO THE STUDY NOCTUIDAE TRIFINAE, 158(1). (FR)

C Boursin

Entomops (9):29-31

28 Sep 1967 QL461.E53

Insect identification, Insect taxonomy, Noctuidae.

OBSERVATIONS ON THE LIFE HISTORY AND BIONOMICS OF OLIGOTOMA CEYLONICA CEYLONICA ENDERLEIN (OLIGOTOMIDAE, EMBIOPTERA), COMMENSAL IN THE NEST OF THE SOCIAL SPIDER STEGODYPHUS SARASINORUM KARSCH.

B L Bradoo

Bombay Natur Hist Soc J 64(3):447-454 REF Dec 1967 513 B63

Arancida, Embioptera, Insect hehavior, Insect biology, Insect nests, Oligotomidae, Symbiosis.

WASPS ATTACKING OTHER INSECTS.

F D Buck

S London Entomol Natur Hist Soc Proc Trans 9(4):97

Dec 1967 420 SO8

Diptera, Hymenoptera, Predaceous insects.

METEORUS VERSICOLOR WESM, VAR. DECOLORATUS RUTHE (HYM., BRACONIDAE), A NEW PARASITE OF THAU-METOPOEA PITYOCAMPA SCHIFF. (LEP., THAUMETOPOEIDAE). (FR)

D Cadahia G Demolin E Biliotti

Entomophaga 12(4):355-361 MAP REF

1967 421 EN835

Braconidae, Insect biology, Natural control (insects), Notodontidae, English abstract.

LOCUST WIND RECEPTORS. I. TRANSDUCER MECHANICS AND SENSORY RESPONSE.

J M Camhi

J Exp Biol 50(2):335-348 REF

Apr 1969 442.8 B77

Aerodynamies, Electrophysiology, Insect flight, Inseet physiology, Schistocerea gregaria, Sense organs, Wind.

LOCUST WIND RECEPTORS. III. CONTRIBU-TION TO FLIGHT INITIATION AND LIFT CONTROL.

J M Camhi

J Exp Biol 50(2):363-373

Apr 1969 442.8 B77

Aerodynamies, Insect flight, Insect physiology, Schistocerea gregaria, Sense organs.

LOCUST WIND RECEPTORS. II. INTERNEU-RONES IN THE CERVICAL CONNECTIVE.

J.M. Cambi

J Exp Biol 50(2):349-362

Apr 1969 442.8 B77

Electrophysiology, Insect flight, Insect physiology, Nervous system, Schistocerea gregaria, Sense organs, Wind.

9984-69

THE UTILIZATION OF C14-LABELLED ADENOSINE DIPHOSPHATE DURING THE IN VITRO RESPIRATION OF HOUSEFLY SARCOSOMES.

G C Carney

Life Sci 8(10,PT 2):453-464 REF

15 May 1969 442.8 L62

Adenosine pyrophosphates, Insect biochemistry, Musca domestica, Radioactive tracers, Sarcosomes, Tissue culture.

AN INTERESTING CASE OF ADAPTATION TO VARIOUS HOSTS ON THE PART OF AN EGG PARASITE. (IT)

B Cavaleaselle

Entomophaga 13(4):319-322

1968 421 EN835

Aphelinidae, Centrodora italiea, Cerambyeidae, Eggs, Insect adaptation, Natural control (insects), Populus, Predaceous insects, Saperda carcharias. English abstract.

9986-69

POLLENS COLLECTED BY SPECIES OF AN-DRENA (IIYMENOPTERA: APIDAE).

V H Chambers

Roy Entomol Soc London Proc Ser A Gen Entomol 43(10-12):155-160

31 Dec 1968 420 L84PA

Andrena, Palynology, Surveys.

THE EXTERNAL MORPHOGENESIS OF GRASSHOPPER EMBRYOS.

R F Chapman F Whitham

Roy Entomol Soc London Proc Ser A Gen Entomol 43(10-12):161-169 REF

31 Dec 1968 420 L84PA

Aerididae, Embryology, Insect eggs, Insect physiology, Temperature.

9988-69

REARING OF THE MAIZE STEM BORER, CHILO ZONELLUS SWINIIOE ON ARTIFICIAL DIET.

S M Chatterji K H Siddiqui V P S Panwar G C Sharma W R Young

Indian J Entornol 30(1):8-12

Mar 1968 420 IN23

Chilo zonellus, Insect nutrition, Insect rearing.

ON THE ODOUR COMPONENTS OF THE STINK OF TWO HETEROPTERAN BUGS OF INDIA.

D K Choudhuri K K Das

Indian J Entomol 30(3):203-208 REF

Sep 1968 420 IN23

Insect biochemistry, Leptocorisa varicornis, Pentatomidae, Secretion.

9990-69

A COMPARATIVE BIOLOGICAL STUDY OF THREE CEROPLASTES SPECIES (IIEM. COCCIDEAE) AND THEIR NATURAL ENEMIES.

C J Cilliers S Afr Dep Agr Tech Serv Entomol Mem 13:1-59 REF

Aug 1967 423.92 SO8

Ceroplastes, Eublemma, Parasitism, Tetrastichus.

THE NEUTRAL LIPIDS FROM VARIOUS ORGANS OF THE TERMITE MACROTERMES GOLIATH.

S H W Cmelik

J Insect Physiol 15(5):839-849 REF

May 1969 421 J825

Chromatography, Insect biochemistry, Lipids, Termites.

9992-69

CORN STUNT VECTOR LEAFHOPPER ATTRACTANCY TO AND OVIPOSITION PREFERENCE FOR HYBRID DENT CORN. II. GRAMINELLA NIGRIFRONS.

H L Collins H N Pitre Entomol Soc Amer Ann 62(4):773-775 REF

Jul 1969 420 EN82 Corn, Crop varieties, Graminella nigrifrons, Oviposition, Plant disease resistance, Stunt, Virus diseases (plants),

On the basis of leafhopper counts and rate of egg deposition corn stunt susceptible hybrids in general were not preferred over hybrids exhibiting resistance when the leafhoppers were given a choice of hybrids in a field eage. Further, no significant differences in egg laying were obtained when females were continued on individual hybrids an not given a choice of oviposition sites.

BIOCHEMICAL STUDY OF PLODIA INTER-PUNCTELLA (HBN.) (LEPIDOPTERA) I-VARIATIONS OF BODY WEIGHT, WATER CONTENT, AND DRY MATTER CONTENT.

G Couture L Huot

Natur Can 94(4,JUL-AUG):437-446 REF

9994-69

Development, Insect physiology, Larvae, Plodia interpunctella, Water. English abstract.

VARIATIONS IN FREE AMINO ACIDS IN THE LARVAE AND PUPAE OF CHILO ZONELLUS.

K Dang K L Doharcy

Indian J Entomol 30(3):246-247

Sep 1968 420 IN23

Amino acids, Chemical analysis, Chilo zonellus, Insect biochemistry, Larvae, Pupae.

THE INFLUENCE OF THE REARING TEM-PERATURE ON LARVAL AND PUPAL MORTALITY AND THE DURATION OF DEVELOP-MENT OF DROSOPIIILA. (FR)

J David M F Clavel

Natur Can 94(2,MAR-APR):209-219 REF

Apr 1967 410 N216

Drosophila, Insect physiology, Insect rearing, Larvae, Mortality, Pupae, Temperature. English ab-

9996-69

THE EPHIPPIGERINAE (ORTHOPTERA, TET-TIGONIIDAE) OCCASIONAL BUT IMPOR-TANT PREDATORS OF THAUMETOPOEA PI-TYOCAMPA SCHIFF. (FR)

G Demolin J C Delmas Entamophaga 12(4):399-401

1967 421 EN835

Natural control (insects), Predaceous insects, Tettigoniidae, Thaumetopeinid caterpillar. English ab-

9997-69

ACTION OF HONEY BEE VENOM ON DEVELOPMENT OF EPITHELIAL CELLULAR CULTURES OF MONKEY'S KIDNEYS. (FR)

A Derevici V Dima

Paris Soc Biol Compt Rend 160(7):1378-1382 14 Jan 1967 442.9 P21

Bee venom, Cytopathology, Development, Kidneys, Monkeys, Tissue culture, Toxicology.

0008.60

A NOTE ON THE OCCURRENCE OF FRUIT FLY MAGGOTS OF DACUS CUCURBITAE COQ. IN CECIDOMYIID GALLS OF COCCINIA INDICA IN ANDIRA PRADESH.

E Dharmaraiu

Indian J Entonul 30(1):87

Mar 1968 420 IN23

Cecidomyiidae, Dacus cucurbitae, Insect biology, Plant galls.

9999-69

EFFECT OF TEMPERATURE ON WATER AB-SORPTION, DEVELOPMENT, AND HATCHING THE PRAIRIE EGGS OF GRAIN WIREWORM, CTENICERA DESTRUCTOR.

J F Doane

Entamal Sac Amer Ann 63(3):567-572

May 1969 420 EN82

Absorption, Ctenicera aeripennis destructor, Insect eggs, Insect physiology, Temperature, Water.

10000-69

ELM SPANWORM EYE SIZE DEPENDS UPON SEX AND DIET.

A T Drooz

Entamal Suc Amer Ann 63(3):561-562

May 1969 420 EN82

Ennomos subsignarius, Eyes, Insect morphology, Insect nutrition.

The eyes of the Ennomos subsignarius (Hubner) are larger in length, width, and depth than those of the female. When larvae were reared on pignut hickory, Carya glabra (Mill.) Sweet, the eyes of those were larger than those of spanworms reared on a diet of northern red oak, Quercus rubra L. Foliage condition also generally affected eye size. Greater measurements accrued to those fed juvenile (tender) foliage throughout their larval life than to those fed normal foliage.

THE LIFE HISTORIES AND DRIFTING OF THE PLECOPTERA AND EPHEMEROPTERA IN A DARTMOOR STREAM.

LM Elliott

J Anim Ecol 36(2):343-362 REF

Jun 1967 410 J826

Aquatic insects, Ephemeroptera, Insect biology, Insect traps, Plecoptera.

10002-69

FEMALE SPECIFIC PROTEIN: BIOSYNTHESIS CONTROLLED BY CORPUS ALLATUM IN LEUCOPHAEA MADERAE.

F Engelmann

Science 165(3891):407-409 REF

25 Jul 1969 470 SCI2

Corpora allata, Electrophoresis, Hormones, Leucophaea maderae, Oogenesis, Proteins.

10003-69

SPERMATOCYTE GRANULES IN DROSO-PHILA MELANOGASTER.

J Erickson A B Acton

Can J Genet Cytal 11(1):1530168 REF

Mar 1969 443.8 C16

Drosophila melanogaster, Electron microscopy, Inseet diseases, Insect genetics, Insect bistology, Rickettsia, Spermatocytes.

COLONIZATION OF AN ISLAND BY THE BUF-FALO FLY, HAEMATOBIA EXIGUA.

P Ferrar

Australian Vet J 45(6):290-292 MAP

Jun 1969 41.8 AU72

Haematobia, Insect dissemination, Insect outbreaks, Population.

THE INFLUENCE OF ECOLOGICAL AND GENETIC FACTORS ON THE BIRTH AND DEATH OF MACROCHELES ROBUSTULUS (BERLESE, 1904). (IT)

A Filipponi B Mosna

Ist Super Sanit Ann 4(5-6):551-571 REF

1968 R65.18

Insect ecology, Insect genetics, Longevity, Macrocheles, Mortality, Parasitic insects, Popula-Insect genetics, Longevity, tion, Temperature.

DEVIATE-ONTOGENIES IN THE APHELINID MALE (HYMENOPTERA) ASSOCIATED WITH THE OVIPOSITIONAL BEHAVIOR OF THE PARENTAL FEMALE.

S.F. Flanders

Entomophaga 12(5):415-427 REF

1967 421 EN835

Aphelinidae, Insect behavior, Insect biology, Insect ecology, Insect physiology, Oviposition, Reproduc-

10007-69

ABUNDANCE OF COTTONTAILS AND THEIR FLEAS AT RED BLUFF RANCH, NEW MEX-ICO.

D 1. Forcom C D Rael J R Wheeler B E Miller J Wildlife Manage 33(2):422-424

Apr 1969 410 J827

Hoplopsyllus, Rabbits, Sipbonaptera, Surveys.

10008-69

RECENT RECORDS OF MIGRANT LEPIDOP-TERA IN TARANAKI.

K J Fox

New Zral Entonul 4(2):6-10

Apr 1969 421 N48

Insect identification, Insect migration, Lepidoptera, Surveys.

THE INSECT PREDATORS OF THE PUPAL STAGE OF THE WINTER MOTH, STAGE OF THE WINTER MOTH, OPEROPHTERA BRUMATA (L.) (LEPIDOP-TERA: HYDRIOMENIDAE).

J H Frank

J Anim Ecal 36(2):375-389

Jun 1967 410 J826

Carabidae, Operophtera brumata, Population, Predaceous insects, Pupae, Radioactive tracers, Staphylinidae.

THE EFFECT OF PUPAL PREDATORS ON A POPULATION OF WINTER MOTH. OF **OPEROPHTERA** BRUMATA (L_{ν}) (HYDRIOMENIDAE).

J.H. Frank

J Anim Ecol 36(3)611-621

Oct 1967 410 J826

Carabidae, Elateridae, Mammals, Operophtera brumata, Population, Predaceous insects, Pupae, Staphylinidae.

STUDIES ON THE ECOLOGY OF LARVAL TIPULINAE (DIPTERA, TIPULIDAE).

B E Freeman

J Anim Ecol 36(1):123-146 MAP REF

Feb 1967 410 J826

Insect ecology, Larvae, Surveys, Tipulidae.

FINE STRUCTURES OF MEROZOITES OF BABESIA BIGEMINA IN THE OVARIES OF BOOPHILUS MICROPLUS AND BOOPHILUS DECOLORATUS. (GE

K Friedhoff E Seboltyseck

Z Parasitenk 32(3):266-283 REF

16 Jun 1969 442.8 Z33F

Babesia bigemina, Boophilus decoloratus, Boopbilus microplus, Cytology, Electron microsco-py, Insect diseases, Ovaries. English abstract.

10013-69

MICROSCOPICAL STUDIES ON THE DEVELOPMENT OF BABESIA OVIS IN RHI-PICEPHALUS BURSA (IXODOIDEA). I. DEVELOPMENT IN FEMALE TICKS AFTER REPLETION. (GE)

K Friedhoff

Z Parasitenk 32(3):191-219 REF 16 Jun 1969 442.8 Z33F

Babesia ovis, Insect diseases, Insect histology, Insect vectors, Microscopy, Rhipicepbalus bursa. English abstract.

10014-69

PHYSICO-ORGANIC CHEMICAL APPROACH TO THE MODE OF ACTION OF OR-GANOPHOSPHORUS INSECTICIDES.

T R Fukuto

Residue Rev 25:327-340 REF

1969 389.9 R314

Animal physiology, Cholinesterases, istry, Insect physiology, Insect biochemistry, ganophosphorus compounds, Toxicology.

F0015-69

MORPHOLOGY AND BIOLOGY OF A NEST-PRODUCING MITE, BAKERICHEYLA CHANAYI (ACARINA: CHEYLETIDAE).

D P Furman O E Sousa

Entomol Soc Amer Ann 62(4):858-863

Jul 1969 420 EN82

Cheyletidae, Insect biology, Insect morphology, Insect nests, Parasitie insects.

10016-69

THE BEHAVIOR OF NEWLY EMERGED BOLL WEEVILS.

F R Gilliland C E McCoy

Entomol Soc Amer Ann 63(3):602-605

May 1969 420 EN82

Anthonomus grandis, Feeding, Insect behavior, Inseet physiology.

10017-69

ECOLOGICAL RESEARCH IN THE LAMTO SAVANNAII (IVORY COAST): ANNUAL
CYCLE OF THE POPULATION SIZE AND
BIOMASSES OF ARTHROPODS IN
BACEOUS STRATUM. (FR)

Y Gillon D Gillon

Terre Vie (3,JUL-SEP):262-277

Sep 1967 410.9 P21

Insect ecology, Phytophagous insects, Population. English abstract.

HISTOLOGICAL, BEHAVIORAL, AND SYMPTOMATIC EFFECTS OF PENTAC ON TETRANYCHUS URTICAE.

J B Gingrich H T Streu

Entornol Soc Amer Ann 63(3):640-647 REF

May 1969 420 EN82

Acaricides, Insect hehavior, Insect histology, Pentac, Tetranychus urticae.

STUDY OF DENSONUCLEOSIS OF LEPIDOP-TERA BY THE IMMUNOLOGICAL GEL DIF-FUSION METHOD. (FR)

F Giran

Entomophaga 13(4):271-279 REF

1968 421 EN835

Galleria mellonella, Insect diseases, Serodiagnosis. English abstract.

10020-69

EXPERIMENTAL INFECTIONS WITH BACIL-I.US LARVAE. I. A STRAIN WITH A MORPHOLOGICAL MARKER.

T A Gochnauer J C M L'Arrivee

J Invertebrate Pathol 13(2):280-284 REF

Mar 1969 421 J826

Apis mellifera, Bacillus larvae, Flagella, Indicators (disease), Insect diseases, Morphology.

A marker strain of Bacillus larvae, isolated from naturally infected honey-bee larval remains, produced microscopically visible flagellar whips half the normal wavelength of whips of other strains, both in artificial culture and in inoculated honey-hee larvae. The strain thus may serve as a specific indicator of the presence and purity of infections in test larvae.

10021-69

COMPOSITIONS AND METHODS FOR REGULATING THE GROWTH OF PLANTS. PATENT 3,455,673.

H F Goonewardene B Loev

Us Patent Office Offic Gaz 864(3):903

15 Jul 1969 156.65 OF2

Carbamates, Patents, Plant regulators.

10022-69

ANTENNOPSIS GAI.LICA HEIM AND BUCHLI (HYPHOMYCETES: GLOEOHAUSTORIALES), AN ENTOMOGENOUS FUNGUS ON SUBTER-RANEAN TERMITES IN FLORIDA.

R J Gouger J W Kimhrough

J Invertebrate Pathol 13(2):223-228 REF

Mar 1969 421 J826

Entomogenous fungi, Insect diseases, Microbiology, Reticulitermes flavipes, Termites.

Antennopsis gallica Heim and Buchli is reported for the first time in North America on the subter-ranean termites Reticulitermes virginicus Banks and Reticulitermes flavipes (Kollar) from north Florida. Details of the life cycle of this en-tomogenous fungus are described and illustrated.

DIOXANE AND DIOXASPIRO DERIVATIVES AS ATTRACTANTS FOR MALE YELLOW-FEVER MOSQUITOES.

G G Grant

J Econ Entomol 62(4):786-789

15 Aug 1969 421 J822

Aedes aegypti, Attractants, Dioxane compounds, Dioxaspiro compounds, Organic compounds, Volatile substances.

10024-69

SPERMATOPHORES OF THE BLATTARIA.

P N Graves

Entomol Soc Amer Ann 63(3):595-602

May 1969 420 EN82

Blattaria, Insect evolution, Insect physiology, Reproduction, Spermatophores.

HEXALURE, AN INSECT SEX ATTRACTANT DISCOVERED BY EMPIRICAL SCREENING.

N Green M Jacobson J C Keller

Experientia 25(7):682-683

15 Jul 1967 475 EX7

Attractants. Chemicals, Insect behavior, Methodology, Pectinophora gossypiclla.

10026-69

DEVELOPMENT OF CHROTOGONUS TRACHYPTERUS (BLANCH.) (ORTHOPTERA: PYRSGOMORPHIDAE) IN RELATION TO DIFFERENT LEVELS OF TEMPERATURE AND HUMIDITY. DEVELOPMENT CHROTOGONUS OF

G S Grewal A S Atwal

Indian J Entornol 30(1):1-7

Mar 1968 420 IN23

Acrididae, Humidity, Insect physiology, Oviposition, Temperature.

A STUDY OF A POCKET OF SCATTERED DESERT LOCUST POPULATION IN RAJASTIIAN, INDIA DURING 1966 WITH SPE-CIAL REFERENCE TO EYE-STRIPES AND BIOMETRICS.

S C Harjai A J Dhillon M V Venkatesh

Indian J Entomol 30(2):137-153 REF

Jun 1968 420 IN23

Habitats Insect morphology, Population, Schistocerea gregaria.

10028-69

THE INFLUENCE OF TEMPERATURE ON REPRODUCTION AND DEVELOPMENT IN FOUR SPECIES OF GLOSSINA (DIPTERA: MUSCIDAE).

J M B Harley

Roy Entomol Soc London Proc Ser A Gen Entomol 43(10-12):170-177 REF 31 Dec 1968 420 L84PA

Glossina, Insect physiology, Ovulation, Pupae, Temperature.

10029-69

COURSE OF SPORULATION OF BACILLUS POPILLIAE IN LIQUID MEDIUM CONTAIN-ING ACTIVATED CARBON.

W C Haynes L J Rhodes

J Invertebrate Pathol 13(2):161-166

Mar 1969 421 J826

Bacillus popilliae, Bacterial discases (insects), Culture media, Insect diseases, Popillia japonica.

10030-69

LABORATORY DEMONSTRATION OF A CHEMICAL SEX ATTRACTANT IN COSTE-ZEALANDICH (WHITE) (SCARABAEIDAE: COLEOPTERA).

R F Henzell M D Lowe H J Taylor E Boston

New Zealand J Sci 12(2):252-257

Jun 1969 514 N482

Costelytra zealandica, Insect behavior, Insect physiology, Scarabacidae, Sex attractants.

THE TOXICITY TO TRIBOLIUM CASTANEUM (HERBST) (COLEOPTERA, TENEBRIONIDAE)
OF MIXTURES OF PYRETHRINS AND
PIPPERONYL BUTOXIDE: FITTING A MATHEMATICAL MODEL.

P.S. Hewlett

J Stored Prod Res 5(1):1-9 REF

May 1969 421 J829

Mathematical analysis, Models, Piperonyl butoxide, Pyrethrum, Toxicology, Tribolium castaneum.

MEDITERRANEAN FRUIT FLIES AND MELON FLIES TRAPPED AT VARIOUS HEIGHTS WITH SYNTHETIC LURES.

F R Holbrook M S Fujimoto

J Econ Entornol 62(4):962-963

15 Aug 1969 421 J822

Attractants, Ceratitis Chlordane. capitata, Chlorinated hydrocarbons, Cue-lure, Dacus cucurbitae, Fruit, Insect traps, Lindane, Naled, Organophosphorus compounds, Trimedlure, Vegetables. Traps placed from 1 to 15 feet above ground in fruit and truck crop area.

10033-69

STUDIES AND SUGGESTIONS ON THE BEHAVIOUR OF MOTHS AT LIGHT.

J D Holloway

S London Entornol Natur Hist Soc Proc Trans 7(6,PT 2):31-45 REF

May 1967 420 SO8

Aging, Insect behavior, Insect migration, Light, Moths, Population.

10034-69

IN VITRO COLONIZATION OF THE GOAT BITING LICE, BOVICOLA CRASSIPES AND B. LIMBATA.

D E Hopkins W F Chamberlain

Entomol Soc Amer Ann 62(4):826-828

Jul 1969 420 EN82

Bovicola, Insect biology, Insect nutrition, Insect rearing, Mallophaga.

10035-69

TEMPERATURE EFFECTS ON EMBRYONIC DEVELOPMENT IN INSECTS.

R W Howe

Annu Rev Entomol 12:15-42 REF

1967 421 AN72

Bibliography, Insect eggs, Insect morphology, Insect physiology, Reviews, Temperature.

10036-69

LETHARGY, A NEW VIRUS OF MELOLONTHA MELOLONTHA L. LARVAE (COLEOPTERA, SCARABAEIDAE). (FR) B Hurpin C Vago P Robert G Meynadier Entamophaga 12(3):311-315

1967 421 EN835

Insect diseases, Larvae, Melolontha melolontha, Viruses, English abstract.

METEOROLOGICAL ASPECTS OF INSECT MIGRATIONS.

G W Hurst

Endeavour 28(104):77-81 REF

May 1969 472 EN2

Insect migration, Myzus persicae, Phytometra biloba, Schistocerca gregaria, Spodoptera exigua.

MYXOMYCETES AS FOOD FOR OTHER OR-GANISMS.

B Ing

S London Entomal Natur Hist Soc Proc Trans 7(6,PT 1):18-23 REF

Mar 1967 420 SO8 Insect nutrition, Myxomycetes.

DESCRIPTION, BIOLOGY, AND IMPORTANCE OF A NEW SPECIES OF ALLANTONE-MATIDAE (NEMATODA), PARASITE OF THE APHIDIPHAGOUS COCCINELLIDAE: PARASI-TYLENCHUS COCCINELLINAE, N. SP. (FR)

G Iperti D. van Waerebeke

Entomophaga 13(2):107-119 REF

1968 421 EN835

Allantonematidae, Biology, Coccinellidae, Nematodes, Physiology, Taxonomy, English abstract.

LABORATORY STUDIES OF EUCELATORIA ARMIGERA, A TACHINID PARASITE OF HELIOTHIS SPP.

C G Jackson D E Bryan R Patana

J Econ Entomol 62(4):907-909 REF

15 Aug 1969 421 J822

Eucelatoria armigera, Heliothis, Insect biology, Insect rearing, Parasitic insects, Tachinidae, Temperature, Zoogeography. Hawaiian records errone-

10041-69

LEACHING OF THE NUCLEAR-POLYHEDRO-SIS VIRUS OF TRICHOPLUSIA NI FROM SOIL. R P Jaques

J Invertebrate Pathol 13(2):256-263 Mar 1969 421 J826

ENTOMOLOGY

10042-69

Insect diseases, Nuclear polyhedrosis virus, Soil leaching, Trichoplusia ni.

10042-69

THE ULTRASTRUCTURE OF THE BRAIN OF THE INSECT NOTONECTA GLAUCA L.

H Jarnieka-Stanios

Zool Pol 19(1):133-142 REF

1969 410 2712

Brain, Insect morphology, Notonecta.

10043-69

STUDIES ON THE SUSCEPTIBILITY OF DIFFERENT STAGES OF BAGRADA CRUCIFERARUM KIRKALDY TO SOME ORGANIC INSECTICIDES.

H C Joshi C L Kaul

Indian J Entomol 30(2):180-181

Jun 1968 420 IN 23

Benzene hexaehloride, Carbamates, Carbaryl, Chlorinated hydrocarbons, Diehlorvos, Endrin, Insect physiology, Insecticides, Organic compounds, Organophosphorus compounds, Parathion, Pentatomidae, Triehlorfon.

10044-69

A SIMPLE STARCH-GEL ELECTROPHORETIC METHOD TO INVESTIGATE ESTERASE IN-IIIBITION BY COMMON ORGANIC INSECTI-CIDES.

A M Kadoum

Bull Environ Contamination Toxicol 4(2,MAR-APR):80-87

Apr 1969 RA1270.P35A1

Blood proteins, Electrophoresis, Esterases, Inhibitors, Insect biochemistry, Organophosphorus compounds, Tenebrio molitor.

10045-69

BIOLOGY OF APANTELES CHILONIS AND A. FLAVIPES (HYMENOPTERA: BRACONIDAE), PARASITES OF CHILO SUPPRESSALIS.

H Kajita E F Drake

Mushi 42(14):163-179 REF

31 Mar 1969 421 M97

Apanteles chilonis, Apanteles flavipes, Biological control (insects), Chilo suppressalis, Insect biology, Insect rearing.

10046-69

A NEW PYRALID LEAF ROLLER, PHOSTRIA SP. ON SUGARCANE.

A N Kalra H David D K Banerji

Indian J Entomol 30(2):182

Jun 1968 420 IN23

Insect outbreaks, Pyralidae, Sugareane.

10047-69

BIOLOGY OF THE BILLBUG SPHENOPHORUS VENATUS CONFLUENS, A NEW PEST OF ORCHARDGRASS.

J A Kamm

J Econ Entomol 62(4):808-812

15 Aug 1969 421 J822

Crop yields, Dactylis glomerata, Grasses, Insect behavior, Insect biology, Insect eggs, Insect nutrition, Insect pests, Larvae, Ovulation, Pupae, Sex behavior, Sphenophorus venatus confluens.

10048-69

ESTIMATION AND DISSIPATION OF PARATHION RESIDUE FROM THE CROP OF INDIAN RAPE SEED.

V. S. Kavadia R. Lal

Indian J Entomol 30(2):113-118 REF

Jun 1968 420 IN23

Biological assay, Bird rape, Drosophila melanogaster, Insecticide residues, Insecticides, Organophosphorus compounds, Parathion.

10049-69

LIFE HISTORY AND DAMAGE OF THE PINE ROOT THE WEEVIL, HYLOBIUS RHIZOPHAGUS, IN WISCONSIN.

W H Kearby D M Benjamin

Entomol Soc Amer Ann 62(4):838-843 MAP Jul 1969 420 EN82 Hylobius rhizophagus, Insect biology, Life eyele, Pinus, Plant injuries.

BIBLIOGRAPHY

0050.69

SPACED-OUT GREGARIOUSNESS IN SYCAMORE APHIDS DREPANOSIPHUM PLATANOIDES (SCIIRANK) (IIEMIPTERA, CALLAPHIDIDAE).

J S Kennedy L Crawley

J Anim Ecol 36(1):147-170 REF

Feb 1967 410 J826

Acer pseudoplatanus, Callaphididae, Insect behavior, Population. With a statistical appendix.

10051-69

EXPERIMENTAL STUDIES ON DIAPAUSE IN STONEFLIES. III. EGGS OF BRACHYPTERA RISI (MORTON).

S G Khoo

Roy Entomol Soc London Proc Ser A Gen Entomol 43(10-12):141-146

31 Dec 1968 420 L84PA

Environmental effects, Insect eggs, Insect physiology, Plecoptera, Temperature.

10052-69

FORAGING GALLERIES OF THE FORMOSAN SUBTERRANEAN TERMITE, COPTOTERMES FORMOSANUS, IN LOUISIANA.

E G King W T Spink

Entomol Soc Amer Ann 63(3):536-542

May 1969 420 EN82

Coptotermes formosanus, Insect nests, Termites, Trees.

10053-69

WATER VAPOR SORPTION AND HUMIDITY RELATIONSHIPS IN LIPOSCELIS (INSECTA: PSOCOPTERA).

W Knulle R R Spadafora

J Stored Prod Res 5(1):49-55 REF

May 1969 421 J829

Humidity, Inseet physiology, Liposcelidae, Sorption, Water.

10054-69

BIOLOGY OF AGROTHEREUTES TUNETHNUS HABER. (HYM., ICHNEUMONIDAE) AN ECTOPARASITE OF ORGYIA DUBIA TAUSCH. (LEP., LYMANTRIIDAE).

J Kugler Z Wollberg

Entomophaga 12(4):363-379 REF

1967 421 EN835

lehneumonidae, Inseet behavior, Inseet biology, Lymantriidae.

10055-69

A MORE RECENT SENSILLARY TYPE ON THE ANTENNA OF FEMALE MOSQUITOES (AEDES AEGYPTI L.). (GE)

V Lacher

Experientia 25(7):768-769

15 Jul 1969 475 EX7

Acdes aegypti, Antennae, Insect morphology, Sense organs.

10056-69

MIGRATING BUTTERFLIES IN 1967 (TWENTIETH ANNUAL REPORT). (DU

B J Lempke

Entomol Ber 29(1):7-17

01 Jan 1969 420 N38B

Insect migration, Lepidoptera, Surveys, English abstract.

10057-69

PROTEINS IN THE SPERMATHECAE AND HAEMOLYMPH OF THE QUEEN BEE (APIS MELLIFICA L. VAR. LIGUSTICA SPIN.).

Y Lensny E Alumot

Compar Biochem Physiol 30(3):569-575 REF

01 Aug 1969 444.8 C73

Apis mellifera, Chemical analysis, Hemolymph, Insect biochemistry, Proteins, Queen bees, Spermatheea.

10058-69

BIOLOGICAL INTERACTION BETWEEN PLASTICIZERS AND INSECTICIDES.

E P Lichtenstein K R Schulz T W Fuhremann T T Liang

J Econ Entomol 62(4):761-765 REF

15 Aug 1969 421 J822

Biological assay, Biphenyl compounds, Chlorinated hydrocarbons, Chromatography, Dieldrin, DDT, Drosophila melanogaster, Insecticides, Musea domestica, Synergism.

10059-69

INSECT PARASITES OF THE GREEN PEACH APHID, MYZUS PERSICAE SULZ. AND THEIR CONTROL POTENTIAL.

M Maekauer

Entomophaga 13(2):91-106 REF 1968 421 EN835

Biological control (insects), Insect biology, Myzus persicae, Predaccous insects, Zoogcography.

0060-69

AQUATIC INSECT COMMUNITIES OF A SMALL STREAM ON MONT ST. HILAIRE, QUEBEC.

R J Maekay

Can Fish Res Board J 26(5):1157-1183 MAP REF

May 1969 442.9 C16J

Aquatie insects, Insect ecology, Streams, Surveys.

10061-69

LABORATORY AND FIELD EXPERIMENTS ON THE EFFECTIVENESS OF PURIFIED AND NON-PURIFIED NUCLEAR POLYHEDRAL VIRUS OF LYMANTRIA DISPAR L...

A Magnoler

Eutomophaga 13(4):335-344 REF

1968 421 EN835

Biological control (insects), Insect diseases, Nuclear polyhedrosis virus, Porthetria dispar.

10062-69

THE ECOLOGY OF THE SIMULIDAE IN A SCOTTISH RIVER.

P S Maitland M M Penney

J Anim Ecol 36(1):179-206 REF

Feb 1967 410 J826

Insect behavior, Insect ecology, Insect nutrition, Population, Simuliidae.

10063-69

HYDROGEN-ION CONCENTRATION AND THE DIGESTIVE ENZYMES IN CLETUS SIGNATUS WALKER (HETEROPTERA: COREIDAE).

S B Mall A N Chattoraj

Indian J Entomol 30(2):154-162 REF

Jun 1968 420 IN23

Coreidae, Enzymes, Gastrointestinal system, Hydrogen-ion concentration, Insect biochemistry.

10064-69

MORPHOLOGY OF THE NERVOUS SYSTEM OF ADULT PRODENIA LITURA.

L M L Mathur

Entomol Soc Amer Ann 63(3):525-529 REF May 1969 420 EN82

Insect morphology, Nervous system, Prodenia litural.

10065-69

INFLUENCE OF PESTICIDES AND FERTILIZERS ON THE BEHAVIOUR OF PHYTOPHAGOUS MITES IN ORCHARDS AND UNDER LABORATORY CONDITIONS.

G Mathys M Baggiolini J Stahl

Entomophaga 13(4):357-372 REF

1968 421 EN835

Fertilizers, Insect behavior, Orehards, Pesticides, Phytophagous mites.

10066-69

SUBSTRATE PREFERENCES AND INVASION BEHAVIOUR EXHIBITED BY LARVAE OF NILODORUM BREVIBUCCA FREEMAN (CHIRONOMIDAE) UNDER EXPERIMENTAL CONDITIONS.

A J Meflachlan

Hydrobiologia 33(2):237-249

29 May 1969 410 H992

Chironomidae, Food habits, Insect behavior, Insect rearing, Larvae, Substrates.

EYES OF THE FEMALE TWO-SPOTTED SPIDER MITE, TETRANYCHUS URTICAE. 1. MORPHOLOGY.

W D McEnroe

Entomol Soc Amer Ann 62(3):461-466 REF May 1969 420 EN82

Eyes, Insect morphology, Tetranychus urticac.

The anterior eyes of the female Tetranychus urticae (Koch) on the basis of their structure, can serve as scanning-point detectors. The posterior eyes are not shielded and appear to be nondirectional receptors.

10068-69

DEVELOPMENT OF THE BAIT PRINCIPLE FOR BOLL WEEVIL CONTROL, IV. FIELD TESTS WITH A BAIT CONTAINING A FEED-ING STIMULANT AND THE SPOROZOANS GLUGEA GASTI AND MATTESIA GRANDIS. R E McLaughlin T C Cleveland R J Daum M R

Bell J Invertebrate Pathol 13(3):429-441

May 1969 421 J826

Anthonomus grandis, Baits, Biological control (inseets), Field studies, Glugea gasti, Insect diseases, Mattesia grandis, Microsporidia.

10069-69

RADIATION SENSITIVITY OF TWELVE SPE-CIES OF ARTHROPODS.

E F Menhinick D A Crossley

Entomol Soc Amer Ann 62(4):711-717 REF

Jul 1969 420 EN82

Arthropoda, Blatta orientalis, Blattella germanica, Gamma rays, Insect physiology, Periplaneta americana, Radiation, Tenebrio molitor.

ERETMOCERUS CORNI HALD. (HYM., APHELINIDAE), A PARASITE OF SIPHONINUS PHILLYREAE HALID. (HOM., ALEYRODIDAE), (IT)

1 Mentzelos

Entomophaga 12(4):351-353

1967 421 EN835

Aleyrodidae, Aphelinidae, Predaceous insects, Zoogeography. English abstract.

10071-69

AGE-DISTRIBUTION AND ABUNDANCE IN POPULATIONS OF FLOUR BEETLES. I. EX-PERIMENTAL STUDIES.

D B Mertz.

Ecol Monogr 39(1,WINTER):1-31 REF 1969 410 EC72

Aging, Insect biology, Insect ecology, Population, Tribolium eastaneum.

10072-69

FIELD OBSERVATIONS ON PERIODICITY AND SITE PREFERENCE IN OVIPOSITION BY AEDES AEGYPTI (L.) AND RELATED MOSQUITOES (DIPTERA: CULICIDAE) IN KENYA.

G A H McClelland

Roy Entomol Soc London Proc Ser A Gen Entomol 43(10-12):147-154 REF

31 Dec 1968 420 1.84PA

Aedes aegypti, Color, Insect behavior, Insect eggs, Oviposition.

STARVATION-INDUCED ACTIVITY COCKROACH MALPIGHIAN TUBULES. IN

J Meyers T Miller

Entomol Soc Amer Ann 62(4):725-729

Jul 1969 420 EN82

Insect physiology, Malpighian tubes, Periplaneta americana, Starvation.

10074-69

COCKROACH HEART RESPONSE TO CAR-DIO-ACCELERATORS.

Entomol Exp Appl 12(1):53-61 REF

1969 421 EN895

Dorsal vessel, Electrophysiology, Nervous system, Periplaneta americana.

10075-69

ANATOMICAL STUDIES OF THE OVIPOSI-TIONAL SITE OF PLANT HOPPERS AND LEAF HOPPERS ON RICE.

B C Misra P Israel

Indian J Entomol 30(2):178

Jun 1968 420 IN23

Insect behavior, Nephotettix, Nilaparvata lugens, Oviposition, Plant physiology, Ricc.

10076-69

A MODEL ACCOUNTING FOR SYMPATRY IN WATER MITES.

R Mitchell

Amer Natur 103(932,JUL-AUG):331-346

Aug 1969 470 AM36

Insect adaptation, Insect ecology, Mites, Parasitic insects, Population.

10077-69

IMMUNE REACTION IN INSECTS. I. LYSOZYME AS THE FUNDAMENTAL ANTIBACTERIAL FACTOR IN THE HUMORAL PREVENTIVE MECHANISM OF THE INSECTS. (GE)

W Mohrig B Messner

Biol Zentralbl 87(4):439-470, REF

Jul 1968 442.8 B523

Bacteria, Bactericides, Blood, Enzymes, Experimental insects, Immunochemistry, Insect biochemistry, Muramidase. English and Russian summaries.

10078-69

THE ABSORPTION OF P,P'-DDE BY LARVAE OF AGLAIS URTICAE (LEPIDOPTERA: NYMPHALIDAE).

F Moriarty

Entomol Exp Appl 12(1) 81-84

1969 421 EN895

Chlorinated hydrocarbons, Cuticle, Diehloro-2,2bis(p-ehlorophenyl) ethylene, 1,1-, Hemolymph, Insecticides, Larvae, Nymphalidae.

10079-69

WATER UPTAKE AND EMBRYONIC DEVELOPMENT IN EGGS OF CHORTHIPPUS **EMBRYONIC** BRUNNEUS THUNBERG (SALTATORIA: ACRIDIDAE).

F Moriarty

J Exp Biol 50(2):327-333

Apr 1969 442.8 B77

Aerididae, Insect eggs, Insect physiology, Osmotic pressure, Water.

10080-69

BIOLOGY AND DESCRIPTION OF IMMATURE STAGES OF ORTHACHETA HIRTIPES, A PREDATOR OF CORDILURA SPP.

S E Neff J B Wallace

Entomol Soc Amer Ann 62(4):785-790 REF Jul 1969 420 EN82

Anthomyiidae, Insect behavior, Insect biology, Larvae, Predaceous insects, Pupae.

ENTOMOCOENOLOGICAL AND BIOLOGICAL STUDIES IN ROSA DAMASCENA MILL. PLAN-TATIONS. 11, COLEOPTERA. (RUS) V Nikolova

Bulgarska Akad Nauk Zool Inst Muz Izv 26:152-155

1968 410.9 B872I

Coleoptera, Insect nutrition. Insect taxonomy. Population, Rosa. Article in English and Russian.

10082-69

NUTRITION OF XYLEBORUS FERRUGINEUS. I. ETHANOL IN DIETS AS A TUNNELING (FEEDING) STIMULANT.

D M Norris J M Baker

Entomol Soc Amer Ann 63(3):592-594

May 1969 420 EN82

Ethyl alcohol, Feeding, Insect behavior, Insect nutrition, Stimulants, Xyleborus ferrugineus.

When ethanol was added to artificial diets, female (fungus-free) X. ferrugineus (F.) (Coleoptera: Scolytidae) tunneled farther than in the absence of ethanol. On I diet, the beetles reproduced only when ethanol was added to stimulate more tunneling (feeding). Ethanol also stimulated beetle tunneling in a diet that was nutritionally inadequate for development of a complete parthenogenetic generation of fungus-free X. ferrugineus.

VITELLOGENIC BLOOD PROTEIN SYNTHES-IS BY INSECT FAT BODY

M L Pan W J Bell W H Telfer

Science 165(3891):393-394 REF

25 Jul 1969 470 SCI2

Antibodies, Blood proteins, Fat body, Hyalophora eceropia, Oogenesis, Periplaneta americana, Radioactive tracers, Tissue culture.

EFFECT OF DIFFERENT FOOD PLANTS ON THE LARVAL AND POST-LARVAL DEVELOP-MENT ON DIACRISIA OBLIQUA WALKER.

N D Pandey D R Yadava T P S Teotia Indian J Entomol 30(3):229-234

Sep 1968 420 IN23

Diacrisia obliqua, Food plants, Insect biology, Inseet nutrition, Insect physiology, Larvae.

THE PREDATORY AND REPRODUCTIVE BEHAVIOUR OF RHINOCORIS BICOLOR AND R. TROPICUS (HEMIPTERA: REDUVIDAE).

Entomol Exp Appl 12(1):107-117

1969 421 EN895

Insect behavior, Insect rearing, Predaceous insects, Reduviidae, Reproduction, Sex behavior.

10086-69

THE ARTIFICIAL FEEDING OF PHOSPHAMIDON TO MYZUS PERSICAE; iI. THE EFFECTS OF PHOSPHAMIDON ON LIQUID UPTAKE THROUGH A PARAFILM MEMBRANE.

W H Parry J B Ford

Entomol Exp Appl 12(1):1-18 REF

1969 421 EN895

Food habits, Insect behavior, Insect physiology, Myzus persicae, Phosphamidon, Toxicology.

NEW PARASITE RECORDS ON HYMENIA RECURVALIS (FABRICIUS) (LEPIDOPTERA: PYRALIDAE).

B Parshad R P Singh M I. Srivastava

Indian J Entomol 30(3):248

Sep 1968 420 IN 23

Braconidae, Hymenia recurvalis, Natural control (insects), Parasitic insects.

NEW RECORDS OF PARASITES OF PLUTEL-LA MACULIPENNIS CURT. IN GUJARAT, IN-DIA.

V C Patel H K Patel

Indian J Entomol 30(1):86

Mar 1968 420 IN23

Parasitic insects. Plutella maculipennis, Surveys, Zoogeography.

10089-69

COMMON INHIBITORY MOTORNEURONES IN INSECTS.

K G Pearson S J Bergman J Exp Biol 50(2):445-471 REF

Apr 1969 442.8 B77

10090-69

Electrophysiology, Insect physiology, Locusta migratoria, Muscles, Nervous system, Periplaneta americana, Schistocerea gregaria.

A KILLING AGENT FOR USE IN LIGHT TRAPS.

D C F Perrott

New Zeal Entomol 4(2):37-38

Apr 1969 421 N48

Ceramhycidae, Dichlorvos, Insect collecting equipment, Light traps, Noctuidae.

PUPARIAL DURATION IN GLOSSINA MOR-SITANS ORIENTALIS UNDER CONDITIONS OF CONSTANT TEMPERATURE.

R J Phelps P M Burrows

Entomol Exp Appl 12(1):33-43 REF

1969 421 EN895

Glossina morsitans, Metamorphosis, Pupae, Temperature.

LETHAL TEMPERATURES FOR PUPARIA OF GLOSSINA MORSITANS ORIENTALIS.

R J Phelps P M Burrows

Entomol Exp Appl 12(1):23-32

1969 421 EN895

Glossina morsitans, Longevity, Pupae, Temperature.

10093-69

OENOCYTES: FORM AND FUNCTION.

B J R Philogene

Entomol Soc Quebec Ann 12(1):3-13 REF Jan 1967 420 EN822

Cuticle, Insect physiology, Molting (insects), Secretion.

10094-69

DIPLOGASTERID NEMATODES (DIPLOGASTERIDAE: RHABDITIDA) ANI THEIR RELATIONSHIP TO INSECT DISEASE.

G O Poinar

J Invertebrate Pathol 13(3):447-454 REF

May 1969 421 J826

Diplogasteridae, Galleria mellonella, Insect diseases, Mortality, Reviews, Rhahditis.

10095-69

A SIMPLE COLLECTOR FOR REMOVING SOIL INSECTS FROM AN OIL/WATER INTER-FACE.

R J B Power

New Zeal Entomol 4(2):3-5

Apr 1969 421 N48

Insect collecting equipment, Soil insects.

OF DDT-RESISTANCE IN INHERITANCE MUSCA DOMESTICA NEBULD FABR.

S J Rahman N H Khan

Indian J Entomol 30(1):69-76

Mar 1968 420 IN23

Chlorinated hydrocarbons, DDT, Inheritance, Insect rearing, Insecticide resistant insects, Musca domestica, Organophosphorus compounds.

10097-69

NEW RECORD OF CHANLIOPS FALLAX SCOTT. (HEMIPTERA: LYGAEIDAE) ON MOONG AND URID (PHASEOLUS SPP.).

R R Rawat H R Sahu

Indian J Entomol 30(2):179

Jun 1968 420 IN23

Beans, Insect morphology, Insect outbreaks, Lygacidae.

STUDIES ON PHOSPHOHEXOSEISOMERASE (D-GLUCOSE-6-PHOSPHATE ISOMERASE) FROM THE INDIAN HONEYBEE, APIS INDICA FABRICIUS:.

S Ray N C Pant K N Mehrotra Indian J Entomol 30(1):37-44 REF

Mar 1968 420 IN23

Apis indica, Enzymes, Insect biochemistry, Insect physiology, Isomerases.

10099-69

METHOD FOR REPELLING BEES, PATENT 3,456,056.

J J Reich F P Reich

Us Patent Office Offic Gaz 864(3):968

15 Jul 1969 156.65 OF2

Acids, Bees, Insect repellents, Organic compounds, Patents

10100-69

DAMAGE TO TESTES AND RECOVERY OF FERTILITY IN BOLL WEEVILS FED CHEMOSTERILANTS.

L H Reinecke W Klassen J F Norland Entomol Soc Amer Ann 63(3):511-525 REF

May 1969 420 EN82

Anthonomus grandis, Chemosterilants, Fertility, Insect hehavior, Insect histology, Sex hehavior, Testes

10101-69

MARKING AND RECAPTURE OF CALIFOR-NIA RED SCALE FOR FIELD STUDIES.

R E Rice D S Moreno

Entomol Soc Amer Ann 63(3):558-560

May 1969 420 EN82

Aonidiella aurantii, Insect traps, Methodology,

COMPARISON OF EFFECTS OF IRRADIATION ON THE PRIMARY SPERMATOGONIA AND MATURE SPERM OF THREE SPECIES OF DIP-TERA.

J G Riemann B J Thorson

Entomol Soc Amer Ann 63(3):613-617 REF

May 1969 420 EN82

Cochliomyia macellaria, Insect physiology, Musca domestica, Phormia regina, Spermatogenesis, Xrays.

10103-69

THE DEFENSIVE BEHAVIOUR OF THE STICK INSECT ONCOTOPHASMA MARTINI (GRIFFINI) (ORTHOPTERA: PHASMATIDAE).

M H Rohinson

Roy Entomol Soc London Proc Ser A Gen Entomol 43(10-12):183-187 REF

31 Dec 1968 420 L84PA

Insect hehavior, Insect morphology, Insect protective devices, Phasmatidae.

STEROL AND WATER-SOLUBLE REQUIRE-MENTS FOR LARVAE OF THE RED-BANDED LEAF ROLLER, ARGYROTAENIA VELU-TINANA.

G C Rock

Entomol Soc Amer Ann 63(3):611-613

May 1969 420 EN82

Argyrotaenia velutinana, Insect nutrition, Larvae, Sterols, Vitamins.

10105-69

SEX ATTRACTANT OF FEMALE DERMESTID BEETLE TROGODERMA INCLUSUM LE

J O Rodin R M Silverstein W E Burkholder J E Gorman

Science 165(3896):904-906

29 Aug 1969 470 SCI2

Attractants, Biological assay, Chemical analysis, Insect biochemistry, Pheromones, Trogoderma inclusum.

ISOLATION AND BIOLOGICAL PROPERTIES OF THE JUVENILE HORMONE.

H Roller J S Bjerke L M Holthaus D W Norgard W H McShan

J Insect Physiol 15(3):379-389

Mar 1969 421 J825

Ecdysone, Galleria mellonella, Hyalophora cecropia, Insect biochemistry, Insect hiology, Periplaneta americana, Tenehrio molitor.

10107-69

ANATOMICAL INDICATORS FOR ASSESSING AGE OF MOSQUITOES: CHANGES IN OVARI-AN FOLLICLES.

B Rosay

Entomol Soc Amer Ann 63(3):605-611 REF

May 1969 420 EN82

Acdes nigromaculis, Aging, Culex pipiens quinquefasciatus, Insect physiology, Ovaries.

10108-69

KCL-INDUCED SPREADING DEPRESSION AND VENTILATION IN THE COCKROACH. H D Rounds

Compar Biochem Physiol 24(2):653-655 REF Feb 1968 444.8 C73

Insect physiology, Nerves, Periplaneta americana, Potassium chloride, Ventilation.

RIOLOGICAL NOTES ON THE BEE AND ITS CLEP-TETRALONIA MINUTA AND ITS CLEP-TOPARASITE, MORGANIA HISTRIO TRANS-VAALENSIS (HYMENOPTERA: ANTHOPHORIDAE).

LG Rozen

Entomol Soc Wash Proc 71(1):102-107

Mar 1969 420 W27

Anthophorinae, Insect biology, Morgania histrio transvaalensis, Parasitic insects, Tetralonia minuta.

FLEA BEETLES PHYLLOTRETA CRII. CIFERAE GOEZE. (COLEOPTERA, CHRYSOMELIDAE) A NEW PEST OF STOCK FLOWER MATHIOLA SP. IN RAJASTHAN.

I N Sachan

Indian J Entomol 30(2):179

Jun 1968 420 IN23

Chrysomelidac, Insect outhreaks, Mathiola, Phyllotreta.

ON THE EXPLOSION CHEMISTRY OF THE BOMBARDIER BEETLE, VI. ON THE CHEMIS-TRY OF THE SMALLEST BOMBARDIER BEE-TLE PAUSSUS FAVIERI, XLIII, COMMUNICA-TION ON ARTHROPOD PROTECTIVE SUB-STANCES. (GE)

H Schildknecht K Koob

Naturwissenschaften 56(6):328

Jun 1969 474 N213

Carahidae, Insect biochemistry, Insect protective devices, Secretion.

A NEW RECORD, DORYLUS LABIATUS SHUCK. (HYMENOPTERA: FORMICIDAE) AS PREDATOR OF MICROTERMES MYCOPHAGUS DESN. (ISOPTERA: MITIDAE).

S K Sharma O P Bohra

Indian J Entomol 30(3):243

Sep 1968 420 IN23

Formicidae, Natural control (insects), Predaceous insects. Termites.

10113-69

RETENTION OF INTRA-CELLULAR POTASSI-UM BY THE HOUSEFLY.

H H Shatoury

Entomol Exp Appl 12(1):19-22

1969 421 EN895

Histochemistry, Insect hiochemistry, Insect physiology, Musca domestica, Potassium.

SELECTION FOR LINDANE RESISTANCE IN DERMESTES MACULATUS (COLEOPTERA, DERMESTIDAE). DE

D D Shaw C J Lloyd

J Stored Prod Res 5(1):69-72 REF

May 1969 421 J829

Chlorinated hydrocarbons, Dermestes maculatus, Insect hiology, Insect rearing, Insecticide resistant insects, Insecticides, Lindane.

10115-69

NOTES ON THE MALE GERM CELLS OF A BEETLE, LEPTINOTARSA DECEMLINEATA.

J W Shay E E Simmons W J Dohson Entomol News (philadelphia) 80(7):185-191 REF

Jul 1969 421 EN88

Electron microscopy, Insect morphology, Leptinotarsa decemlincata, Reproductive organs, Spermatocytes, Spermatogenesis.

10116-69

A SIMPLE APPARATUS FOR DIPPING TREAT-MENT OF INSECTS FOR VARYING PERIODS OF TIME.

O P Singh T P S Teotia

Indian J Entomol 30(3):251-253

Sep 1968 420 IN23

Chemosterilants, Dipping, Insect rearing equipment, Methodology

10117-69

OBSERVATIONS ON THE BIOLOGY OF LATHROMEROIDES SP. (TRICHOGRAM-MATIDAE: HYMENOPTERA) EGG PARASITE OF THE LEAF ROLLING WEEVIL, APODERUS MARSHALL (CURCULIONIDAE: COLEOPTERA) WITH NOTES ON THE HOST WEEVIL.

R P Singh B Parshad

Indian J Entomol 30(3):192-196

Sep 1968 420 IN23

Curculionidae, Insect biology, Parasitic insects, Trichogrammatidae.

10118-69

NEW APPROACHES TO THE CONTROL OF PEST ORGANISMS.

C N Smith

Amer Soc Agron ASA Spec Publ 8:145-150 Nov 1966 64.9 AM3

Attractants, Chemosterilants, Insect behavior, Insect control, Insect rearing, Sterilization.

OVIPOSITION AND HATCHING IN TWO SPE-CIES OF TICKS IN RELATION TO MOISTURE DEFICIT.

D E Sonenshine J A Tigner

Entomol Soc Amer Ann 63(3):628-640 REF

May 1969 420 EN82

Amblyomma americanum, Dermacentor variabilis, Humidity, Insect eggs, Insect physiology, Mortality, Oviposition.

10120-69

NEMATODE PARASITES OF THE FACE FLY AND THE ONION MAGGOT IN FRANCE AND DENMARK.

J G Stoffolano

J Econ Entomol 62(4):792-795 REF

15 Aug 1969 421 J822

Biological control (insects), Heterotylenchus aherrans, Heterotylenchus autumnalis, Hylemya antiqua, Insect diseases, Musca autumnalis, Nematodes.

10121-69

THE EFFECTS OF THE REMOVAL OF THE PARASITE XENOS (INSECTA STREPSIPTERA) ON THE PROTOCEREBRAL NEUROSECRETION OF ITS HOST POLISTES (HYM. VESPIDAE). (FR)

A Strambi

Acad Sci Compt Rend Ser D Sci Nat 264(23, 1ST SEMESTER):2646-2648

05 Jun 1967 505 P21

Insect physiology, Polistes, Stylopidae.

10122-69

INHIBITION OF THE DEFENSE REACTION OF DROSOPHILA MELANOGASTER PARASITIZED SIMULTANEOUSLY BY THE WASPS PSEUDEUCOILA BOCHEI AND PSEU-DEUCOILA MELLIPES.

F A Streams L Greenberg

J Invertebrate Pathol 13(3):371-377 REF

May 1969 421 J826

Cynipidae, Drosophila melanogaster, Insect hehavior, Insect physiology, Insect protective devices, Pseudeucoila bochei, Pseudeucoila mel-

10123-69

SEASONAL EVOLUTION OF THE HONEY BEE THERMOGENESIS. OXYGEN CONSUMPTION OF THE ISOLATED BEE AT FIVE DIFFERENT TEMPERATURES IN SUMMER AND IN WINTER. (FR)

T Stussi M L Harmelin

Paris Soc Biol Compt Rend 160(7):1503-1506

14 Jan 1967 442.9 P21

Apis mellifera, Insect evolution, Insect physiology, Oxygen, Seasonal variation, Temperature.

THE EFFECT OF PERILLUS BIOCULATUS (FABR.) (HET., PENTATOMIDAE) ON THE POPULATION DYNAMICS OF THE POTATO BEETLE, (GE)

A Szmidt W Wegorck

Entomophaga 12(4):403-408

1967 421 EN835

Biological control (insects), Leptinotarsa decemlineata, Perillus hioculatus, Population, Predaceous insects. English abstract.

VARIABILITY IN INSECTICIDE TOLERANCE OF EIGHTEEN HONEY-BEE COLONIES.

A S Tahori Z Sohel M Soller

Entomol Exp Appl 12(1):85-98 REF

1969 421 EN895

Apis mellifera, Chlorinated hydrocarbons, DDT, Endrin, Insecticides, Organophosphorus compounds, Ronnel, Toxicology, Trichlorfon.

A STRAIN OF NUCLEAR-POLYHEDROSIS VIRUS CAUSING EXTENSIVE CELLULAR HYPERTROPHY.

Y Tanada T Hukuhara G Y Chang

J Invertebrate Pathol 13(3):394-409 REF May 1969 421 J826

Hypertrophy, Insect diseases, Polyhedroses, Pseudaletia unipuncta.

ON THE OVIPOSITION BEHAVIOUR AND DEVELOPMENT OF SITOPHILUS ORYZAE LINN. IN VARIOUS NATURAL FOODS.

T P S Teotia V S Singh

Indian J Entomol 30(2):119-124 REF

Jun 1968 420 IN23

Insect behavior, Insect nutrition, Insect physiology, Oviposition, Sitophilus oryzae.

TOXICITY OF SELECTED ACARICIDES TO SUSCEPTIBLE AND RESISTANT STRAINS OF TETRANYCHUS URTICAE KOCH.

G F Thiele R A Harrison

New Zealand J Sci 12(2):380-394 REF Jun 1969 514 N482

Acaricides, Binapacryl, Carhamates, Carbonates, Dicofol, Insecticide resistant insects, ganophosphorus compounds, Tetranychus urticae, Toxicology.

EXPERIMENTS ON LARVAL DIAPAUSE IN THE CARABID PTEROSTICHUS VULGARIS L. (GE)

H U Thiele I Krehan

Entomol Exp Appl 12(1):67-73

1969 421 EN895

Carahidae, Insect physiology, Larvae, Light, Metamorphosis, Temperature. English abstract.

EFFECTS OF EXOGENOUS MOULTING HOR-MONES ON PUPARIUM FORMATION IN CAL-LIPHORA.

J A Thomson D H S Horn

Anstralian J Biol Sci 22(3):761-765 REF

Jun 1969 442.8 AU72

Calliphora, Insect hormones, Insect physiology, Molting (insects), Pupae.

10131-69

LABORATORY EVALUATION OF INSECTI-CIDES AGAINST WHITE-FRINGED WEEVIL (GRAPHOGNATHUS LEUCOLOMA (COLEOPTERA: (BOHEMAN) LIONIDAE)) LARVAE.

D H Todd

New Zeal J Agr Res 11(4):903-910 REF

Nov 1968 23 N4892

Chemical control (insects), Chlorinated hydrocarbons, Curculionidac, Dieldrin, Diethyl O-(2-quinoxalinyl) phosphorothioate, O,O-, Diethyl O-2-pyrazinyl phosphorothioate, O,O-, Ethyl S-phenyl ethylphosphonodithioate, O-, Graphognathus lcucoloma, Heptachlor, Insect pests, Insecticide trials, Insecticides, Larvae, Lindane, Soils.

10132-69

A RECORD OF DIURNAL FLIGHT IN DYTISCUS.

R W J Uffen

S London Entomol Natur Hist Soc Proc Trans 7(6,PT 1):14

Mar 1967 420 SO8

Dytiscidae, Insect behavior, Insect flight.

FUSEAUX VIRUS OF A SOUTH AMERICAN SCARABAEIDAE. (FR)

C Vago A Amargier B Hurpin G Meynadier J L Duthoit

Entomophaga 13(4):373-376

1968 421 EN835

Insect diseases, Scarabacidae. English abstract.

THE HISTOPATHOLOGY OF A NUCLEAR POLYHEDROSIS IN LARVAE OF THE CABBAGE LOOPER, TRICHOPLUSIA NI, RELATED TO SYMPTOMS AND MORTALITY.

P V Vail I M Hall J Invertebrate Pathol 13(2):188-198

Mar 1969 421 J826

Insect diseases, Larvae, Mortality, Nuclear polyhedrosis virus, Trichoplusia ni.

10135-69

A SUPPLEMENTARY LIST OF THE HOST-PLANTS OF LAC INSECTS.

R K Varshney T P S Tcotia

Bombay Natur Hist Soc J 64(3):488-511 REF Dec 1967 513 B63

Catalogs, Lacciferidae, Plants, Zoogeography.

SENSITIVITY TO GAMMA RADIATION OF TRIBOLIUM CONFUSUM EGGS AT VARIOUS DEVELOPMENTAL STAGES.

A Vercecke C Perelents

Entomol Exp Appl 12(1):62-66 1969 421 FN895

Gamma rays, Insect eggs, Tribolium confusum.

10137-69

BEETLE. E F Vevai

Pesticides 1(10):22-24

Jun 1968 SB951.P43

Chemical control (insects), Chlorinated hydrocarbons, Colcoptera, Formulations, Insect identification, Insecticides, Organophosphorus compounds.

10138-69

IDENTIFICATION OF HYDROCARBONS FROM NOVOMESSOR COCKERELLI.

K Vick W A Drew D J McGurk E J Eisenbraun G R Waller

Entomol Soc Amer Ann 62(4):723-725

Jul 1969 420 EN82

Hydrocarbons, Insect hiochemistry, Methodology, Novomessor.

Procedures and evidence are presented regarding the identification of hydrocarbons found to be present in the gasters of Novomessor cockerelli (Andre) (Hymenoptera: Formicidae). Tridecane,

ENTOMOLOGY

10139-69

BIBLIOGRAPHY GENETICS

n-tetradecane, n-pentadecane, n-hexadecane, nheptadecane, ntoctadecane, and n-nonadecane were identified.

10139-69

REFINED DEFENSIVE MECHANISMS IN CHRYSOMELA SCRIPTA.

J B Wallace M S Blum

Entomol Soc Amer Ann 63(3):503-506

May 1969 420 EN82

Chemical analysis, Chrysomelidae, Insect biochemistry, Insect protective devices, Larvae, Pupae, Salicylalde hyde.

10140-69

NOTES ON THE NATURAL HISTORY OF TENEBRIONIDAE (COLEOPTERA) IN CAN-TERBURY.

J C Watt

New Zeal Entomol 4(2):47-49

Apr 1969 421 N48

Insect hiology, Tenebrionidae.

CONTINUOUS LABORATORY CULTURE OF LOCUST BORER, MEGACYLLENE THE ROBINIAE.

E H Wollerman C Adams G C Heaton Entomol Soc Amer Ann 63(3):647-649

May 1969 420 EN82

Insect biology, Insect rearing, Megacyllene rohiniae, Methodology.

10142-69

SPECTRAL EFFICIENCY AS FUNCTION OF LATENCY IN THE VISUAL MECHANISM OF INSECT (TENEBRIO MOLITOR L.).

U Yinon

Experientia 25(7):711

15 Jul 1969 475 EX7

Insect physiology, Light, Tenebrio molitor, Vision.

SEXUAL DIMORPHISM IN NEUTRAL LIPID METABOLISM IN THE INDIAN-MEAL MOTH, PLODIA INTERPUNCTELLA (HUBNER).

W J Yurkiewicz

Ohio J Sci 69(2):70-73 REF

Mar 1969 410 OH3

Glycerides, Insect biochemistry, Insect metabolism, Insect physiology, Lipids, Plodia interpunctel-

Males of last instar Indian-meal moths contain slightly more neutral lipid per gram live weight than do females. The qualitative composition of the various neutral fractions is similar in both sexes. During the pupal period, the female catabolizes considerahly more triglyceride than the male, resulting in a much lower triglyceride content in the newly emerged adult female. There is an almost equal rate of lipid utilization in both sexes during the first three days of adult life.

ETOLOGY AS THE DETERMINING FACTOR OF THE NUMERICAL DISTRIBUTION OF THE SPECIES IN THE FAUNA. (IT)

E Zavattari

Accad Naz Ital Entomol Atti 8:28-40

1960 420 AC2

Insect biology, Insect ecology, Insect morphology, Parasitic insects, Population, Zoogeography.

10145-69

THE PARASITISM OF GAMASID MITES (GAMASOIDEA) ON BIRDS. (RUS.)

A A Zemskaya

Zool Zhur 48(4):512-517

Apr 1969 410 R92

Birds, Insect ecology, Mites, Parasitic insects. English abstract.

10146-69

EVOLUTION OF FITNESS. IV. GENETIC EVOLUTION OF INTER-SPECIFIC COMPETITIVE ABILITY IN DROSOPHILA.

F J Ayala

Genet Soc Amer Rec 61(3):737-747 REF

Mar 1969 442.9 G28

Drosophila, Insect evolution, Insect genetics, Population.

10147-69

ETHYL METHANESULFONATE (EMS) IN-MUTATIONS IN DROSOPHILA DUCED MELANOGASTER.

J B Bishop W R Lee

Genetics 61(2,PT 2,SUPPL):S4-S5

1969 442.8 G28

Drosophila melanogaster, Ethyl methanesulfonate, Insect genetics, Insect mutation.

10148-69

INTERACTION BETWEEN CHRONIC IR-RADIATION, VIBRATION, AND CENTRIFUGA-TION IN THE PRODUCTION OF GENETIC EF-FECTS IN DROSOPHILA.

L S Browning

Genetics 61(2,PT2,SUPPL):S7-S8

1969 442.8 G28

Centrifugation, Chromosomes, Drosophila, Gamma rays, Insect genetics, Vibration.

ON THE DETERMINATION OF INSECT AND MITE RESISTANCE TO PESTICIDES. THE INFLUENCE OF THESE PRODUCTS IN SUBLETHAL DOSES ON ANIMALS AND IN TROPHIC EFFECT FOLLOWING BIOCHEMICAL REPERCUSSIONS PLANTS. (FR)

F Chaboussou

Rev Zool Agr Appl 67(10-12, 4TH TRIMESTER:105-138 REF 1968 410.9 SO12

Chlorinated hydrocarbons, DDT, Insect genetics, Insect nutrition, Insecticide resistant insects, Lindane, Organophosphorus compounds, Parathion, Plants, Population.

HOMOLOGOUS LINES OF CHROMOSOME POLYMORPHISM IN THE NATURAL POPULA-TIONS OF ADIRONDACK BLACK FLY (DIP-TERA, SIMULIDAE). (RUS)

L A Chubareva N A Petrova

Tsitologiya 10(10):1248-1256 REF

Oct 1968 442.8 T78

Chromosomes, Genetics, Insect popular Polymorphism, Simuliidae. English summary. Insect populations,

MEIOSIS IN THE GRASSHOPPER: CHIASMA FREQUENCY AFTER ELEVATED TEMPERATURE AND X-RAYS.

K Church D E Wimber

Can J Genet Cytol 11(1):209-216 REF

Mar 1969 443.8 C16

Autoradiography, Chromosomes, Insect genetics, Meiosis, Melanoplus, Temperature, X-rays.

10152-69

A THIRD LOCUS (IPO) AFFECTING PYRIDOX-AL OXIDASE IN DROSOPHILA MELANOGASTER.

J F Collins E Glassman

Genet Soc Amer Rec 61(4):833-839 REF

Apr 1969 442.9 G28

Chromosomes, Drosophila melanogaster, Enzymes, Insect genetics.

10153-69

CHROMOSOMAL POLYMORPHISM AND GENETIC LOAD IN DROSOPHILA PSEUDOOB-SCURA.

D W Crumpacker V M Salceda

Genet Soc Amer Rec 61(4):859-873 REF

Apr 1969 442.9 G28

Drosophila pseudoobscura, Genes, Insect genetics, Polymorphism.

10154-69

CHROMOSOME BEHAVIOR UNDER THE IN-FLUENCE OF CLARET-NONDISJUNCTIONAL IN DROSOPHILA MELANOGASTER.

D.G. Davis

Genet Soc Amer Rec 61(3):577-594 REF

Mar 1969 442.9 G28

Chromosomes, Cytogenetics, Drosophila melanogaster, Insect genetics.

10155-69

SEGREGATION DISTORTER IN D. MELANOGASTER MALES: AN EFFECT OF FEMALE GENOTYPE ON THE SEGREGATION RATIO.

R E Denell

Genetics 61(2,PT 2,SUPPL):S13

1969 442.8 G28

Chromosomes, Drosophila melanogaster, Insect genetics, Sex.

10156-69

POPULATION GENETICS IN THE AMERICAN TROPICS. IV. TEMPORAL CHANGES EF-FECTED IN NATURAL POPULATIONS OF MELANOGASTER DROSOPHILA COLOMBIA.

H F Hoenigsberg L A Granobles L E Castro Genetica 40(2):201-215 REF

1969 442.8 G282

Drosophila melanogaster, Insect genetics, Population, Seasonal variation.

Samples of Drosophila melanogaster were taken each month over several years from a locality in Fusagasuga, Columbia. Temporal shifts in gene frequencies were found. These reflect important adaptive changes in the populations, and the kind of gene pool modifications that are necessary for the better occupation of local temporal niches.

10157-69

AUTOSOMAL FRAGMENTATIONS AND FU-SIONS IN ODONATA AND THEIR EVOLU-TIONARY IMPLICATIONS.

B Kianta

Genetica 40(2):158-180 REF

1969 442.8 G282

Chromosomes, Cytogenetics, Insect evolution, Odonata.

10158-69

CHANGES IN CHROMOSOMES INDUCED BY DIFFERENT DNA VIRUS IN CELLS OF RHYNCHOSCIARA ANGELAE.

C Pavan A B da Conha

Genetics 61(2,PT 2.SUPPL):S46-S47

1969 442.8 G28

Cells. Chromosomes, Cytogenetics, Deoxyribonucleic acid, Insect diseases, Rhynchosciara, Viruses.

10159-69

A MOLECULAR APPROACH TO THE STUDY OF GENIC HETEROZYGOSITY IN NATURAL POPULATIONS. IV. PATTERNS OF GENIC VARIATION IN CENTRAL, MARGINAL AND ISOLATED POPULATIONS OF DROSOPHILA PSEUDOOBSCURA.

S Prakash R C Lewontin J L Hubby

Genet Soc Amer Rec 61(4):841-858 REF

Apr 1969 442.9 G28

Biochemistry, Drosophila pseudoobscura, Insect genetics, Population, Proteins.

POSITION EFFECT ON DNA TRANSCRIPTION AND REPLICATION.

P A Roberts

Genetics 61(2,PT 2,SUPPL):S50 1969 442.8 G28

Chromosomes, Deoxyribonucleic acid, Drosophila melanogaster, Insect genetics, Lethal factor, Pupae, Vibration.

EXPERIMENTAL EVIDENCE FOR FACTORS AFFECTING THE RELATIVE EFFICIENCY OF INDIRECT TO DIRECT SELECTION IN TRIBOLIUM CASTANEUM.

E Scheinberg

Can J Genet Cytol 11(1):86-96 REF

Mar 1969 443.8 C16

Insect genetics, Insect rearing, Statistical analysis, Tribolium eastaneum.

10162-69

THE ROLE OF SEXUALITY IN DOSAGE COMPENSATION IN DROSOPHILA,

P D Smith J C Lucchesi

Genet Soc Amer Rec 61(3):607-618 REF Mar 1969 442.9 G28

Chromosomes, Drosophila, Insect genetics, Sex.

10163-69

BIOCHEMICAL GENETICS OF INSECTICIDE RESISTANCE IN THE HOUSEFLY.

M Tsukamato

Residue Rev 25:289-314 REF

1969 389.9 R314

Genes, Insect biochemistry, Insect genetics, Insecticide resistant insects, Musea domestica.

MEDICAL ENTOMOLOGY

10164-69

A NEW SPECIES OF AEDES (STEGOMYIA) FROM THAILAND (DIPTERA: CULICIDAE).

Y-M Huang

Entomol Soc Wash Proc 71(2):234-239

Jun 1969 420 W27

Acdes scatoi, Culicidae, Insect biology, Insect morphology, Insect physiology, Insect taxonomy, Insect vectors, Larvae, Pupae, Zoogeography.

10165-69

RESEARCH ON THE SYNANTROPIC FLIES IN THE SOFIA AREA, IN REGARD TO THEIR EPIDEMIOLOGICAL IMPORTANCE. (RUS)

V Lavciev E Nestorova

Bulgarska Akad Nauk Zool Inst Muz Izv 23:5-31 REF

1967 410.9 B8721

Diptera, Human diseases, Insect vectors. French abstract.

10166-69

ALLERGIC RESPONSES TO INSECTS.

S Shulman

Annu Rev Entomal 12:323-346 REF

1967 421 AN72

Allergies, Bibliography, Chemistry, Human diseases, Insects, Reviews.

CROP PROTECTION

10167-69

PESTICIDES AND PLOWS.

B D Ball

Sugar Beet J 32(3, SPRING):16-17

1969 66.8 SU38

Pesticides, Plant pest control, Plows.

10168-69

IN YOUR GARDEN - WEEDS: ROBBERS, BUT NOT ALWAYS BAD,

Metabele

Rhodesian Farmer 39(11):31

26 Jul 1968 24 R347

Economic plants, Gardens, Mulches, Plant nutrition, Plant protection, Strawberries, Weeds.

10169-69

CHEMICAL PREPARATIONS IN THE SERVICES OF AGRICULTURE AND FORESTRY. (SE)

A Srekajs S Pamie V Mance

3-487

1967 S585.S6

Agriculture, Forestry, Pesticides, Plant pest control.

DISEASES

10170-69

FUNGICIDAL CONTROL OF RICE DISEASES.

D V W Abeygunawardena

Trop Agr &peradeniya& 74(1-2, JAN-JUN):15-26 REF

Jun 1968 26 T751

Antibiotics, Blast, Chemical control (plant diseases), Fungicides, Mercury compounds, Pellicularia, Plant diseases, Ricc, Seed-borne plant diseases, Xanthomonas oryzae.

10171-69

CONTROL OF BARLEY LOOSE SMUT IN WISCONSIN IN 1966 AND 1967.

R W Ahrens D C Arny G L Worf L J Wrage U S Agr Res Serv CR (42):15-17

May 1968 aSB608.G6M6

Barley, Chemical control (plant diseases), Dihydro-5-carboxanilido-6-methyl-1,4-oxathiin, 2,3-, Fungicides, Fungus diseases (plants), Loose smut, Ustilago nuda.

10172-69

DESIGNATION USED, CHEMICAL NAME, SOURCE, AND TRADEMARK NAME OF EACH FUNGICIDE MENTIONED IN THIS COMPILATION.

Anonymous

U S Agr Res Serv CR (42):34-36

May 1968 aSB608.G6M6

Fungicides, Tables (data), Trademarks.

10173-69

EFFECT OF C1.-50, A NEW SYNTHETIC FUNGICIDE ON CERTAIN FUNGI.

S H Ashrafi G M Ali S Hafiz R I Zuberi Pakistan J Sci Indus Res 11(1):46-51

Jan 1968 475 P174

Alternaria solani, Aspergillus niger, Chemical control (plant diseases), Copper, Fungicides, Fungus cultures, Fusarium, Helminthosporium hawaiinese, Zinc.

10174-69

CHEMICAL CONTROL OF LOOSE SMUT IN BARLEY IN MINNESOTA.

E E Banttari

U S Agr Res Serv CR (42):19-20

May 1968 aSB608.G6M6

Barley, Chemical control (plant diseases), Dihydro-5-carboxanilido-6-methyl-1,4-oxathiin, 2,3-, Fungus diseases (plants), Loose smut, Systemic fungicides, Ustilago nuda.

10175-69

NUTRITION OF THE SILVER-LEAF PATHOGEN STEREUM PURPUREUM (PERS.) FRI.

D J Beever

New Zealand J Sci 12(2):268-275 REF Jun 1969 514 N482

Carbon, Fungus diseases (plants), Plant diseases, Plant nutrition, Stereum purpureum, Thiamine.

10176-69

INTERACTION BETWEEN CHILLI MOSAIC AND POWDERY MILDEW IN TOBACCO. K C Chadha S P Raychaudhuri

Indian Phytopathol 21(2):171-175

Jun 1968 464.8 IN2

Chilis, Fungus diseases (plants), Mosaie, Plant diseases, Powdery mildew, Tohacco, Virus diseases (plants).

10177-69

A LEAF SPOT DISEASE OF CYAMOPSIS TETRAGONOLOBA CAUSED BY CURVU-LARIA LUNATA IN INDIA.

J N Chand P S Verma
Indian Phytopathol 21(2):239-240

Jun 1968 464.8 IN2

Curvularia, Cyamopsis tetragonoloha, Fungus diseases (plants), Leaf spot.

10178-69

POST-INFECTION CHANGES IN THE SUGAR CONTENT OF LEAF-SPOT INFECTED BAR-LEY.

R Dayal M M Joshi

Indian Phytopathol 21(2):221-222

Jun 1968 464.8 IN2

Barley, Fungus diseases (plants), Helminthosporium sativum, Leaf spot, Plant biochemistry, Plant diseases, Sugars.

10179-69

CHEMOTHERAPY OF LOOSE SMUT OF BAR-LEY IN CANADA.

L V Edgington Ontario Guelph Univ.

U S Agr Res Serv CR (42):20-21

May 1968 aSB608.G6M6

Barley, Chemical control (plant diseases), Dihydro-5-carboxanilido-6-methyl-1,4-oxathiin, 2,3-, Drug therapy, Fungicides, Fungus diseases (plants), Loose smut, Seed treatment.

10180-69

STUDIES ON THE INFECTION OF CUCUMBER MOSAIC VIRUS. V. THE OBSERVATION OF EPIDERMAL CELL IN THE LOCAL LESION.

Y Ehara T Misawa Tohoku J Agr Res 19(3):166-172

Oct 1968 22.5 T574

Cucumher mosaie virus, Necrosis, Plant histology, Plant injuries, Virus diseases (plants).

10181-69

METHODS OF DETERMINATION OF THE SYSTEMIC AND FUNGITOXIC PROPERTIES OF CHEMICALS APPLIED TO PLANTS WITH EMPHASIS ON CONTROL OF VERTICILLIUM WILT WITH THIABENDAZOLE AND BENLATE.

D C Erwin

World Rev Pest Contr 8(1,SPRING):6-22 REF 1969 79.8 W89

Benomyl, Biological assay, Chemical structure, Cotton, Fungus diseases (plants), Methodology, Systemic fungicides, Thiazolyl)-benzimidizole, 2-(4-, Verticillium.

10182-69

LIST OF PUBLICATIONS ON FUNGUS AND IN-SECT DEFECTS IN FOREST PRODUCTS. (058):34P REF

Oct 1967 aZ5354.P2U5

Bibliography, Chemical control (plant diseases), Fungus diseases (plants), Insect pests.

10183-69

INFLUENCE OF LIGHT ON SPORULATION BY HELMINTHOSPORIUM STENOSPILUM.

T E Freeman H H Luke

Phytopathology 59(3):271-273

Mar 1969 464.8 P56

Cynodon daetylon, Helminthosporium stenospilum, Light, Sporulation.

10184-69

1R-2, A GERM PLASM BANK OF VIRUS-FREE FRUIT TREE CLONES.

P R Fridlund

Hortscience 3(4, WINTER):227-229

1968 SB1.H6

Crop varieties, Fruit, Virus diseases (plants).

10185-69

FREEING ALFALFA CLONES FROM ALFALFA MOSAIC VIRUS BY HEAT TREATMENT.

F I Frosheiser

Phytopathology 59(3):391-392 REF

Mar 1969 464.8 P56

Alfalfa, Heat treatment, Mosaic (alfalfa), Viruses.

10186-69

VERTICILLIUM WILT OF TOBACCO. VI. THE INFLUENCE OF ROOTS AND STEMS ON VERTICILLIUM WILT SYMPTOMS IN TOBACCO. L N Gibbins D S C Wright

New Zeal J Agr Res 11(4):789-796 REF

Nov 1968 23 N4892

10187-69

Fungus diseases (plants), Plant disease resistance, Plant diseases, Plant grafting, Roots, Stems, Tohacco, Verticillium dahliac, Wilt.

10197 60

A NEW TOMATO VIRUS FOUND IN THE ESTONIAN SSR (ASPERMY-VIRUS). (RUS)

M Goldin S Villemson

Akad Nauk Est Ssr Izv Ser Biol 16(3):241-246 1967 442.9 AK18

Aspermy, Tomatoes, Virus diseases (plants). English and Estonian abstracts.

10188-69

RHIZOCTONIA LEAF ROT OF COLOCASIA IN INDIA.

R K Grover R D Prasher

China Plant Protect Bull 16(1):6-7

Feb 1968 464.9 C47

Dasheen, Fungus diseases (plants), Mercury chloride, Potassium permanganate, Rhizoctonia, Rot.

10189-69

A SYSTEMIC OXATHIN FUNGICIDE TO CONTROL LOOSE SMUTS, COVERING SMUTS, SEED ROTS, AND SEEDLING BLIGHTS OF WHEAT, BARLEY, OATS, AND SORGHUM.

E D Hansing

U S Agr Res Serv CR (42):11-15

May 1968 aSB608.G6M6

Barley, Blight, Chemical control (plant diseases), Covered smut, Fungus diseases (plants), Loose smut, Oats, Oxathiins, Rot, Sorghum, Systemic fungicides, Wheat.

10190-69

FUNGICIDAL COMPOSITION CONTAINING ZINC DITHIOCARBAZATE. PATENT 3,458,638.

R Hatta J Kinugawa H Yamamoto 1 Sumina B Tamura S Suzuki

Us Pateut Office Offic Gaz 864(5):1646

29 Jul 1969 156.65 OF2

Fungicides, Patents, Zinc dithiocarhazate.

10191-69

EFFECT OF CHEMICAL TREATMENTS ON THE CONTROL OF.

T T Herhert

U.S. Agr. Res. Serv. CR (42):9-11

May 1968 aSB608.G6M6

Barley, Chemical control (plant diseases), Dihydro-5-carhoxanilido-6-methyl-1,4-oxathiin, 2,3-, Fungicides, Fungus diseases (plants), Loose smut, Ustilago nuda.

10192-69

CONTROL OF LOOSE SMUT OF WHEAT AND BARLEY IN ARKANSAS WITH FUNGICIDES.

J P Jones R D Barnett

U S Agr Res Serv CR (42):3

May 1968 aSB608.G6M6

Barley, Chemical control (plant diseases), Dihydro-5-carhoxanilido-6-methyl-1,4-oxathiin, 2,3-, Fungus diseases (plants), Loose smut, Systemic fungicides, Wheat.

10193-69

SEED-MYCOFLORA OF MUSK-MELON.

G L Khandelwal R Prasad

Bull Grain Technol 7(1):26-30

Mar 1969 TS2120.B8

Agrosan GN. Aspergillus, Chemical control (plant diseases), Fungicides, Rhizopus, Thiram.

10194-69

CHEMICAL CONTROL OF WHEAT AND BARLEY LOOSE SMUT.

R L Kiesling

US Agr Res Serv CR (42):5-7

May 1968 aSB608.G6M6

Barley, Chemical control (plant diseases), Fungus diseases (plants), Loose smut, Oxathiins, Systemic fungicides, Thiazole, Wheat.

10195-69

EFFECT OF TWO SYSTEMIC FUNGICIDES ON CONTROL OF LOOSE SMUT IN WHEAT.

R A Kilpatrick O G Merkle

U S Agr Res Serv CR (42):29

May 1968 aSB608.G6M6

Chemical control (plant diseases), Dihydro-5-carhoxanilido-6-methyl-1,4-oxathiin, 2,3-, Fungus diseases (plants), Loose smut, Systemic fungicides, Wheat.

10196-69

EFFECTIVENESS OF FUNGICIDES IN CONTROLLING BARLFY LOOSE SMUT.

D M Kline

U S Agr Res Serv CR (42):28

May 1968 aSB608.G6M6

Barley, Chemical control (plant diseases), Chloroneh, Dihydro-5-carboxaniido-6-methyl-1,4oxathiin, 2,3-, Fungicides, Fungus diseases (plants), Loose smut, Thiocarbamates, Thiram.

10197-69

THE EPIPHYTOTIC OF YELLOW ORANGE LEAF DISEASE OF RICE IN 1966 IN THAILAND.

H A Lamey P Surin S Disthaporn L Wathanakol China Plant Protect Bull 15(4):67-69 MAP Aug 1967 464.9 C47

Epiphytotic, Leaf rust, Rice, Surveys, Virus diseases (plants).

10198-69

STANDARDIZATION OF THE INTERNA-TIONAL RACE NUMBERS OF PYRICULARIA ORYZAE.

K C Ling S H Ou

Phytopathology 59(3):339-342 REF

Mar 1969 464.8 P56

Fungus diseases (plants), Piricularia oryzae, Rice.

10199-69

EFFICACY OF OXATHIIN FUNGICIDES FOR CONTROL OF LOOSE SMUT IN BARLEY.

R H Littrell D D Morey

U S Agr Res Serv CR (42):17-18

May 1968 aSB608.G6M6

Barley, Chemical control (plant diseases), Dihydro-5-carboxanilido-6-methyl-1,4-oxathiin, 2,3-, Fungus diseases (plants), Systemic fungicides, Ustilago nuda.

10200-69

PRELIMINARY OBSERVATIONS ON THE TREATMENT OF WHEAT AND BARLEY WITH A FUNGICIDE TO CONTROL LOOSE SMUT IN ENGLAND.

R C F Macer

U.S. Agr. Res. Serv. CR (42):23-25

May 1968 aSB608.G6M6

Barley, Chemical control (plant diseases), Dihydro-5-carboxanilido-6-methyl-1,4-oxathiin, 2,3-, Fungus diseases (plants), Syste mic fungicides, Ustilago nuda, Ustilago tritici, Wheat.

10201-69

COLLETOTRICHUM NIGRUM FROM EGG-PLANT. A NEW RECORD FROM INDIA.

S B Mathur H C Phatak

Indian Phytopathol 21(2):235-236

Jun 1968 464.8 1N2

Collectotrichum, Eggplant, Fungus diseases (plants).

10202-69

THE FUNGITOXIC MECHANISMS IN QUIN-OLINE COMPOUNDS AND THEIR CHELATES.

G L McNew H Gershon Residue Rev 25:107-122

1969 389.9 R314

Agricultural chemistry, Fungicides, Fungus diseases (plants), Physiology, Quinoline.

10203-69

SOME OBSERVATIONS ON CYNIPS QUERCUS FOLII L. GALLS ON QUERCUS ROBUR L. IN BYDGOSZCZ PROVINCE. (PO)

Z Michno-Zatorska

Soc Sci Toruneusis Stud Sect D (bot) 8(1-2):19-24 REF

1967 451 T65

Cynipid leaf galls, Cynipidae, Gall-making insects, Plant diseases, Plant galls, Plant physiology, Quercus robur. English summary.

10204 60

EFFECT OF CYTOKININS ON TOBACCO MOSAIC VIRUS PRODUCTION IN LOCAL-LE-SION AND SYSTEMIC HOSTS.

G E Milo B I S Srivastava

Virology 38(1):26-31 REF

May 1969 448.8 V81

Cytokinins, Kidney beans, Leaves, Mosaic, Plant diseases, Plant injuries, Tobacco, Tobacco mosaic virus, Virology, Virus diseases (plants).

10205-69

MODE OF ACTION OF AGRICULTURAL ANTIBIOTICS DEVELOPED IN JAPAN.

T Misato

Residue Rev 25:93-106 REF

1969 389.9 R314

Agricultural chemistry, Antibiotics, Chemical reactions, Plant physiology.

10206-69

TRANSLOCATION OF TOBACCO RINGSPOT VIRUS IN CUCUMBER AND ZINNIA.

B J Moore J M McGuire

Ark Acad Sci Proc 22:67-71

1968 500 AR42

Cucumbers, Nematode vectors, Plant disease transmission, Plant nematodes, Ring spot, Tohacco, Virus diseases (plants), Xiphinema americanum.

10207-69

FUNGICIDAL CONTROL OF SMUT DISEASES OF CEREALS

J G Moseman

U S Agr Res Serv CR (42):36P

May 1968 a\$B608.G6M6

Chemical control (plant diseases), Fungicides, Fungus diseases (plants), Grain, Smut.

10208-69

TOXIC METABOLITE OF ASPERGILLUS NIGER AND ITS ROLE IN ONION ROT DISEASE.

A Narain O Prakash

Indian Phytopathol 21(2):217-220 REF

Jun 1968 464.8 IN2

Aspergillus niger, Biological assay, Fungus diseases (plants), Onions, Plant diseases, Plant metaholism, Seeds, Toxins.

0209-69

DELETERIOUS EFFECT OF CERTAIN FUN-GITOXICANTS ON THE FORMATION OF MYCORRHIZAE ON CORN BY ENDOGONE FASCICULATA AND ON CORN ROOT DEVELOPMENT.

O Neisham M B Linn

Phytopathology 59(3):297-300

Mar 1969 464.8 P56

Chemical control (plant diseases), Corn, Endogone fasciculata, Fungus diseases (plants).

10210-69

STUDIES ON THE BIOSYNTHESIS OF TMV. I.
A SYSTEM APPROACHING A
SYNCHRONIZED VIRUS SYNTHESIS IN A
TOBACCO LEAF.

T Nilsson-Tillgren I. Kolehmainen-Seveus D von Wettstein

Z Vererbnugslehre 104(2):124-141 REF

28 May 1969 442.8 Z34

Electron microscopy, Mosaic, Synthesis, Tobacco, Tobacco mosaic virus, Virus diseases (plants).

10211-69

BREEDING FOR RUST RESISTANCE. ADVANCES IN GENETICS GIVE HOPE FOR TOTAL IMMUNITY.

B P Pal

Indian Farming 19(1):5-7

Apr 1969 22 IN283

Crop varieties, Fungus diseases (plants), Plant hreeding, Plant disease resistance, Rust, Wheat.

10212-69

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

A Papasolomontos C V Economides China Plant Protect Bull 16(1):8-9 Feh 1968 464.9 C47

Citrus, Surveys, Tristeza, Virus diseases (plants).

SURVIVAL OF ROOT-INFECTING FUNGI IN SOIL, XII, GERMINATION AND SURVIVAL OF ENDOCONIDIA AND CHLAMYDOSPORES OF THIELAVIOPSIS BASICOLA IN FALLOW SOIL AND IN SOIL ADJACENT TO GERMINATING BEAN SEED.

G C Papavizas P B Adams

Phytopathology 59(3):371-378 REF

Mar 1969 464.8 P56

Beans, Chlamydospores, Fungus diseases (plants), Soils, Thielaviopsis hasicola

10214-69

CHEMICAL CONTROL OF LOOSE SMUT IN BARLEY.

V D Pederson

U.S. Agr. Res Serv. CR (42):4

May 1968 aSB608.G6M6

Barley, Captan, Chemical control (plant diseases), Chlorinated hydrocarhons, Dihydro-5-carhox-anilido-6-methyl-1,4-oxathiin, 2,3-, Fungus dis-eases (plants), Loose smut, Seed treatment, Systemic fungicides, Thiram.

HETEROBASIDION ANNOSUM.

D N Pegler J M Waterston

Commonwealth Mycol Inst Cmi Desc Path Fungi Bact (SET 20):192

1968 462.7 C73

Air-borne plant diseases, Coniferae, Fungus diseases (plants), Plant diseases, Plant geography, Polyporus, Taxonomy.

PHELLINUS IGNIARIUS.

D N Pegler J M Waterston

Commonwealth Mycol Inst Cmi Desc Path Fungi Bact (SET 20):194

1968 462.7 C73

Air-horne plant diseases, Fungus diseases (plants), Plant diseases, Plant geography, Polyporus, Populus, Rot, Salix, Trees.

10217-69

PHELLINUS POMACEUS.

D N Pegler J M Waterston

Commonwealth Mycol Inst Cmi Desc Path Fungi Bact (SET 20):196

1968 462.7 C73

Air-horne plant diseases, Fungus diseases (plants). Plant diseases, Plant geography, Plums, Polyporus, Rot, Taxonomy.

10218-69

INONOTUS HISPIDUS.

D N Pegler J M Waterston

Commonwealth Mycol Inst Cmi Desc Path Fungi Bact (SET 20):193

1968 462.7 C73

Air-horne plant diseases, Fraxinus, Fungus diseases (plants), Plant diseases, Plant geography. Polyporus hispidus, Taxonomy, Trees.

EVIDENCE FOR RESTRICTION OF A PLANT VIRUS TO PHLOEM CELLS.

W C Price

Indian Phytopathol 21(2):159-166 REF

Jun 1968 464.8 IN2

Electron microscopy, Phloem, Plant diseases, Plant physiology, Tristeza, Virus diseases (plants).

RESULTS OBTAINED WITH A SYSTEMIC OX-ATHIIN FUNGICIDE IN FRANCE.

G Richard J Cognet

U S Agr Res Serv CR (42):21-23

May 1968 aSB608.G6M6

Chemical control (plant diseases), Dihydro-5-carboxanilido-6-methyl-1,4-oxathiin, 2,3-, Fungus diseases (plants), Systemic fungicides, Ustilago avenae, Ustilago nuda.

ELEMENTS FOR THE DIFFERENTIATED AP-PLICATION OF QUARANTINE AND CONTROL MEASURES OF POTATO CANKER. (RUM)

A Savulescu A Puscasu

Probl Agr 21(2):36-43 MAP REF

1969 21 R862

Canker, Plant disease control, Plant quarantine, Potatoes, Synchytrium endohioticum, Zoogeog-

10222-69

THE SYSTEMIC FUNGICIDE 2,3-DIHYDRO-5-CARBOXANILIDO-6-METHYL1,4-OXATHIIN.

B von Schmeling M Kulka

U.S. Agr. Res. Serv. CR (42):1-2

May 1968 aSB608.G6M6

Barley, Chemical control (plant diseases), Dihydro-5-carhoxanilido-6-methyl-1,4-oxathiin, 2,3-, Fungus diseases (plants), Loose smut, Systemic fungicides, Ustilago nuda, Ustilago tritici, Wheat.

MERCURY-RESISTANT PYRENOPHORA AVENAE IN NEW ZEALAND SEED OATS: A COMPARISON OF SIX DIFFERENT COM-POUNDS AS SEED DISINFECTANTS.

J E Sheridan V Vachrahhorn

New Zeal J Agr Res 11(4):812-816

Nov 1968 23 N4892

Agar, Antiseptics, Chemical control (plant diseases), Fungicide resistant fungi, Fungicides, Fungus diseases (plants), Leaf spot, Mereury compounds, Oats, Pyrenophora avenue, Seedling hlight, Seedlings, Seeds.

10224-69

LOCAL LESION HOST FOR GRASSY SHOOT VIRUS OF SUGARCANE.

G R Singh

Cur Sci 38(6):148

20 Mar 1969 475 SCI23

Aphididae, Biological assay, Grassy shoot, Insect vectors, Plant injuries, Sugareane, Virus diseases (plants).

COMPARISON OF MYCELIAL AND SCLERO-TIAL INOCULUM OF MACROPHOMINA PHASEOLI IN THE MORTALITY OF PINE SEEDLINGS UNDER VARYING SOIL CONDI-TIONS.

W H Smith

Phytopathology 59(3):379-382 REF

Mar 1969 464.8 P56

Fungus diseases (plants), Macrophomina phaseoli, Mortality, Pinus, Seedlings.

10226-69

STUDIES ON PHYSIOLOGY OF MINTHOSPORIUM AUSTRALIENSE THE CAUSAL AGENT OF A LEAF SPOT DISEASE OF BAJRA.

B S Thind J N Chand

Indian Phytopathol 21(2):190-194

Jun 1968 464.8 IN2

Fungus diseases (plants), Helminthosporium, Pearlmillet, Plant hiochemistry, Plant diseases, Plant physiology.

A NECROTIC TYPE VIRUS OCCURRING ON A WEED IN GERMANY.

J P Varma

Indian Phytopathol 21(2):176-181

Jun 1968 464.8 IN2

Compositae, Mosaic, Necrosis, Plant diseases, Tobacco, Virus diseases (plants), Weeds.

PRELIMINARY NOTE ON THE OCCURRENCE OF BLACK POINT DISEASE OF WHEAT IN IN-

D Vir K L Adeakha L M Joshi K D Pathak

Indian Phytopathol 21(2):234-235

Jun 1968 464.8 IN2

Alternaria tenuis, Fungus diseases (plants), Helminthosporium, Plant diseases, Wheat.

10229-69

SEED TREATMENT TRIAL, 1967.

HAH Wallace

U S Agr Res Serv CR (42):8

May 1968 aSB608.G6M6

Barley, Chemical control (plant diseases), Dihydro-5-earboxanilido-6-methyl-1,4-oxathiin, 2,3-, Fungus diseases (plants), Oats, Seed treatment, Smut, Stinking smut, Systemic fungicides,

10230-69

VERTICILLIUM WILT OF TOBACCO. VIII.
MOVEMENT OF CONIDIA OF VERTICILLIUM DAHLIAE KLEB. IN TOBACCO PLANTS.

New Zeal J Agr Res 11(4):803-811 REF

Nov 1968 23 N4892

Conidia, Fungus diseases (plants), Plant disease resistance, Plant disease transmission, Plant diseases, Roots, Tobacco, Verticillium dahliae, Wilt.

VERTICILLIUM WILT OF TOBACCO. VII. PATHOGENICITY OF ISOLATES OF VER-TICILLIUM DAHLIAE KLEB. ON NEW ZEA-LAND TOBACCO.

DSC Wright JM Biss

New Zeal J Agr Res 11(4):797-802 REF

Nov 1968 23 N4892

Fungus diseases (plants), Microorganisms, Plant diseases, Tohaeco, Verticillium dahliae, Wilt.

10232-69

RESPONSE TO PARASITES.

C E Yarwood

Annu Rev Plant Physiol 18:419-438 REF

1967 450 AN78

Baeterial discases (plants), Bibliography, Fungus diseases (plants), Photosynthesis, Plant injuries, Plant metaholism, Plant respiration, Reviews, Virus diseases (plants).

ARTHROPODS

10233.60

GROWERS JOIN FORCES TO BATTLE THE BOLL WEEVIL.

Anonyntous

Chem Cour 1:10-11

1969 421 C42

Anthonomus grandis, Azinphosmethyl, Chemical control (insects), Cotton, Crop yields, Curculionidae, Hihernation, Insect pests, Insect physiology, Insecticide application, Insecticides, Organophosphorus compounds, Spraying, Ultra-lowvolume spraying.

COMMON LEAFHOPPER-PLANTHOPPER POPULATIONS AND INCIDENCE OF TUNGRO VIRUS IN DIAZINON-TREATED AND UN-TREATED RICE PLOTS.

S H Bac M D Pathak

J Econ Entomol 62(4):772-775

15 Aug 1969 421 J822

Chemical control (insects), Diazinon, Inazuma dorsalis, Insect vectors, Nephotettix, Nilaparvata lugens, Organophosphorus compounds, Plant discase transmission, Rice, Sogatella furcifera, Tungro, Virus diseases (plants).

10235-69

THE BIOLOGY, MODE OF ATTACK AND DAMAGE CAUSED BY THE THRIPS, (HAPLOTHRIPS TRITICI KURD) TO WHEAT CROPS, (RUM)

E Banita

Probl Agr 21(2):14-19

1969 21 R862

CROP PROTECTION

10236-69

Chemical control (insects), Haplothrips, Insect hehavior, Insect biology, Organophosphorus compounds, Plant injuries, Wheat. English, French and Russian abstracts.

10236-69

EUROPEAN RED MITE AND TWO-SPOTTED SPIDER MITE CONTROL ON APPLES IN CALIFORNIA.

W C Batiste A Berlowitz

J Econ Entamol 62(4):779-781

15 Aug 1969 421 J822

Acaricides, Apples, Chemical control (insects), Mites, Organophosphorus compounds, Panonychus ulmi, Tetranychus urticae.

10237-69

A COMPARISON OF MALATHION, DIAZINON, FENITROTIIION AND DICHLORVOS FOR CONTROL OF SITOPHILUS ORYZAE (L.) AND RHYZOPERTIIA DOMINICA (F.) IN WIIEAT.

B R Champ R W Steele B G Genn K D Elms

J Stored Prod Res 5(1):21-48 REF

May 1969 421 J829

Chemical control (insects), Diazinon, Dichlorvos, Fenthion, Insecticides, Malathion, Organophosphorus compounds, Rhyzopertha dominica, Sitophilus oryzae, Wheat.

10238-69

COMPARATIVE EFFICIENCY OF TRANSMISSION OF ASTER YELLOWS BY ELYMANA VIRESCENS AND MACROSTELES FASCIFRONS AND THE RELATIVE CONCENTRATION OF THE CAUSAL AGENT IN THE VECTORS.

L N Chiykowski R C Sinha

J Econ Entomol 62(4):883-886 REF

15 Aug 1969 421 J822

Barley, Elymana virescens, Insect vectors, Macrosteles fascifrons, Plant disease transmission, Virus diseases (plants), Yellows.

10239-69

ALTERNATIVE HOST PLANTS OF TOBACCO LEAF-MINER (PHTHORIMAEA OPERCULEL-LA (ZELL.)).

1 C Cunningham

Queensland J Agr Anim Sci 26(1):107-111

Mar 1969 23 Q37

Leaf miners, Phthorimaea operculella, Plants, Surveys.

10240-69

DISTRIBUTION OF LARVAL AND PUPAL INSTARS OF PLUSIA ARGENTIFERA GUEN. ON TOBACCO PLANTS.

1 C Cunningham

Queensland J Agr Anim Sci 26(1):113-116 Mar 1969 23 Q37

Distribution, Larvae, Noctuidae, Plusiinae, Pupae, Tohacco.

10241-69

THE COLONIZATION AND SUCCESS IN GREECE OF SOME IMPORTED APHYTIS SPP. (IIYM. APHELINIDAE) PARASITIC ON CITRUS SCALE INSECTS (HOM. DIASPIDIDAE).

P DeBaca L C Argyriou

Entomophaga 12(4):325-342 MAP

1967 421 EN835

Aphytis, Biological control (insects), Citrus, Diaspididae.

10242-69

BIOLOGY AND CONTROL OF LEOPARD MOTH ON PEAR TREES IN THE UNITED ARAB REPUBLIC.

M E Eldefrawi 1 Hanhal S M Hammad China Plant Protect Bull 15(4):70-76 REF

Aug 1967 464.9 C47

Azinphosmethyl, Carharyl, Chemical control (insects), Chlorinated hydrocarbons, DDT, Insect biology, Insecticides, Malathion, Pears, Trichlorfon, Zeuzera pyrina.

10243-69

THE STEM BORER SESAMIA BOTANEPHAGA TAMS AND BOWDEN (LEP., NOCTUIDAE) AND THE MAIZE CROP IN CENTRAL ASHANTI, GHANA.

Endrody-Younga

Ghana J Agr Sci 1(2):103-131 REF

1968 S19.G5

Bionomics, Climate, Corn, Crop losses, Crop yields, Insect outhreaks, Insect pests, Insect physiology, Noctuidae. French summary.

10244-69

BEES AS PESTS.

D C Erwin

World Rev Pest Contr 8(1,SPRING):4

1969 79.8 W89

Apidae, Cotton, Insect pollinators, Plant breeding,

10245-69

A REVIEW OF THE USE OF INSECTICIDES ON THE MAIN AGRICULTURAL CROPS OF THE WORLD--3. SECTION 3: COTTON,

A D Hanna

World Rev Pest Contr 8(1,SPRING):23-45 REF 1969 79.8 W89

Chemical control (insects), Cotton, Insect control, Insecticides, Plant injuries, Reviews, Zoogeography.

10246-69

TWENTY-SIX VARIETIES OF FORAGE CROPS EVALUATED FOR RESISTANCE TO FEEDING BY MELANOPLUS SANGUINIPES.

G B Hewitt

Entomol Soc Amer Ann 62(4):737-741

Jul 1969 420 EN82

Forage plants, Melanoplus sanguinipes, Plant pest resistance.

10247-69

SPRAY DROPLET SIZE IN THE CONTROL OF SPRUCE BUDWORM, BOLL WEEVIL, BOLLWORM AND CABBAGE LOOPER.

C M Himel A D Moore

J Econ Entomol 62(4):916-918

15 Aug 1969 421 J822

Aerial spraying, Anthonomus grandis, Carbamates, Chemical control (insects), Choristoneura fumiferana, Cotton, Dimethylamino-3,5-xylyl methylcarbamate, 4-, Environment, Forest insects, Heliothis zea, Leaves, Methyl parathion, Particle size determination, Pesticide residues, Pyrethrum, Spraying, Trichoplusia ni.

10248-69

ORGANOPHOSPHORUS ACARICIDES FOR CONTROLLING THE TWO-SPOTTED SPIDER MITE ON STRAWBERRIES.

A F Howland J Wilcox L I Butler D A George J Econ Entomol 62(4):939-940

15 Aug 1969 421 J822

Acaricides, Chemical control (insects), Demeton, Dicofol, Dimethoate, Disulfoton, Mites, Organophosphorus compounds, Phorate, Soil sanitation, Spraying, Strawherries, Tetranychus urticae.

10249-69

SYMPOSIUM ON THE PRINCIPLES OF THE APPLICATION OF MICROBIOLOGICAL PREPARATIONS IN NATURE. (FR)

B Hurpin

Entomophaga 13(4):265-269

1968 421 EN835

Bacillus thuringiensis, Biological control (insects), Dendrolimus spectabilis, Insect ecology, Porthetria dispar, Symposia.

10250-69

ATHERIGONA SP. (ANTHOMYIIDAE: DIPTERA) AS A PEST OF WHEAT IN RAJASTHAN. H C Joshi R M Khan

Indian J Entomol 30(3):238

Sep 1968 420 IN23

Anthomyiidae, Plant injuries, Wheat, Zoogeography.

10251-69

TREATMENT OF MUSTARD AND RADISH SEEDS FOR THE CONTROL OF MUSTARD SAWFLY, ATHALIA PROXIMA KLUG. AT SEEDLING STAGE.

M G Jotwani T D Yadav P Sircar P B Mookherice

Indian J Entomol 30(2):133-136

Jun 1968 420 IN23

Athalia proxima, Brassica, Chemical control (insects), Chlorinated hydrocarbons, Ethylthio)ethyl O,O-dimethyl phosphorodithioate, S-(2-, Insecticides, Lindane, Organophosphorus compounds, Phorate, Phosphamidon, Radishes, Seed treatment.

10252-69

BIOLOGICAL CONTROL OF OLIVE SCALE, PARLATORIA OLEAE (COLVEE), IN A DECIDUOUS FRUIT ORCHARD IN CALIFOR-NIA.

C E Kennett

Entomophaga 12(5):461-474

1967 421 EN835

Biological control (insects), Fruit, Insect biology, Orchards, Parlatoria olcae.

10253-69

EASY-TO-KILL PESTS OF FRUIT TREES...CODLING MOTH.

H F Lower

S Australia J Agr 72(5):179-182

Dcc 1968 23 SO84

Azinphosmethyl, Carbamates, Carharyl, Chemical control (insects), Fruit, Insect morphology, Insect pests, Insect traps, Insecticides, Laspeyresia pomonella, Metamorphosis, Olethreutidae, Organophosphorus compounds, Spraying.

10254-69

CONTRIBUTION TO THE KNOWLEDGE OF THE NATURAL ENEMIES OF BISSETIA STENIELLUS (HAMPSON) (LEP.: PYRALIDAE),

K C Mathur

Entomophaga 12(5):443-448 REF

1967 421 EN835

Bissetia steniellus, Braconidae, Ichneumonidae, Natural control (insects), Predaceous insects, Pyralidae, Sugarcane.

10255-69

STRUCTURE, STABILITY, AND ENERGY FLOW IN PLANTS AND ARTHROPODS IN A SERICEA LESPEDEZA STAND.

E F Menhinick

Ecol Monogr 37(3,SUMMER):255-272 REF 1967 410 EC72

Arthropoda, Ecology, Energy, Field studies, Insect ecology, Lespedeza cuncata, Population.

10256-69

THE FIRST LARGE-SCALE EXPERIMENTATION WITH THE BIOLOGICAL CONTROL OF THE OLIVE FLY (DACUS OLEAE GMEL.) BY MEANS OF OPIUS CONCOLOR SZEPL. SICULUS MON. IN SICHLY. (FR)

S Monastero P Delanoue

Entomophaga 12(4):381-398 MAP

1967 421 EN835

Biological control (insects), Dacus oleae, Opius concolor, English abstract.

10257-6

SUSCEPTIBILITY OF SEVERAL FOREST INSECTS OF BRITISH COLUMBIA TO COMMERCIALLY PRODUCED BACILLUS THURINGIENSIS. II. LABORATORY AND FIELD PATHOGENICITY TESTS.

O N Morris

J Invertebrate Pathol 13(2):285-295 REF

Mar 1969 421 J826

Acteris variana, Bacillus thuringiensis, Biological control (insects), Epinotia tsugana, Forest insects, Hyphantria cunea, Malacosoma pluviale, Melanolophia imitata, Mortality, Thuricide, Vanessa cardui.

10258-69

EFFICIENCY OF THREE COLONIES OF MELON APHIDS AS TRANSMITTERS OF TRISTEZA VIRUS.

P A Norman R A Sutton

J Econ Entomol 62(4):968

15 Aug 1969 421 J822

Aphis gossypii, Insect vectors, Oranges, Plant disease transmission, Tristeza, Virus diseases (plants).

NEW RECORD OF HYMENOPTEROUS PARASITES OF PHYTOMYZA ATRICORNIS (MEIGEN), A SERIOUS PEST OF PEA.

S C Odak S V Dhomdhere A S Kourava

Indian J Entomol 30(3):250

Sep 1968 420 IN23

Eulophidae, Natural control (insects), Opius, Parasitic insects, Peas, Phytomyza atricornis.

THE EFFECT OF REMOVAL OF ARTHROPOD PREDATORS ON AN INFESTATION OF BREVICORYNE BRASSICAE (HEMIPTERA, APHIDIDAE) ON BRUSSELS SPROUTS.

E Pollard

Entomol Exp Appl 12(1):118-124 REF

1969 421 EN895

Brevicoryne hrassicae, Brussels sprouts, Cerambycidae, Population, Predaceous insects, Syrphidae.

NOTES AND CONSIDERATIONS ON THE CON-TROL OF THE CYPRESS MOTH, CATORIA UNIPENNARIA (GUEN.) (LEPIDOPTERA, GEOMETRIDAE). (SP

A Saldarriaga V L Posada O

Agr Trop 25(3):143-145

Mar 1969 26 AG8

Biological control (insects), Chemical control (insects), Dichlorvos, Geometridae.

10262-69

TOXICITY OF EIGHT INSECTICIDES TO THE COCCINELLID PREDATOR CHILOMENES SEXMACULATA FABR...

J M Satpathy G K Padhi D N Dutta Indian J Entomol 30(2):130-132

Jun 1968 420 IN23

Chemical control (insects), Chilomenes sexmaculata, Chlorinated hydrocarbons, Insecticides, Organophosphorus compounds, Toxicology.

10263-69

CHEMICAL CONTROL OF DROSICHA MAN-GIFERAE (GREEN), A SERIOUS PEST OF CITRUS SPP. IN MADHYA PRADESH.

D K Saxena R R Rawat

Indian J Entomol 30(1):66-68

Mar 1968 420 IN23

Chemical control (insects), Chlorinated hydrocar-hons, Citrus, Diazinon, DDT, Drosicha mangiferae, Endrin, Insecticides. Malathion, ganophosphorus compounds, Parathion.

CONTROL OF FLORIDA RED SCALE IN FLORIDA WITH THE PARASITE APHYTIS HOLOXANTHUS.

A G Selhime M H Muma W A Simanton C W McCoy

J Econ Entomol 62(4):954-955

15 Aug 1969 421 J822

Aphytis holoxanthus, Biological control (insects), Chrysomphalus aonidum, Citrus, Parasitic insects, Population.

10265-69

INTEGRATED CONTROL OF INSECTS, A CHALLENGE FOR SCIENTISTS.

Agr Sci Rev 7(1, 1ST QUARTER):1-5

1969 431.3 AG893

Insect hiology, Insect ecology, Integrated control (insects), Reviews.

10266-69

STUDIES ON THE CONTROL OF THE RED HAIRY CATERPILLAR, AMSACTA MOOREI

B P Srivəstava R K Mishra

Indian J Entomol 30(2):125-129 REF

Jun 1968 420 IN23

Aldrin, Amsacta moorei, Benzene hexachloride, Chemical control (insects), Chlordane, Chlorinated hydrocarbons, Dichlorvos, Insecticides, Organophosphorus compounds, Parathion.

10267-69

NEEDLE MINER INFESTATIONS IN LODGEPOLE PINE EAST OF THE SIERRA CREST.

G R Struble

USDA Forest Serv Res Note PSW- (177):2P 1968 A99.9 F7652

Coleotechnites milleri, Defoliation, Forest insects, Insect pests, Insect physiology, Insect populations, Pinus contorta, Zoogcography.

10268-69

PRELIMINARY STUDIES ON THE INTEGRATED CONTROL OF THE PEST COMPLEX ON COWPEA, VIGWA UNGUICULATA WALP., IN NIGERIA.

T A Taylor

J Econ Entomol 62(4):900-902

15 Aug 1969 421 J822

Bacillus thuringiensis, Cowpeas, Insect pests, Integrated control (insects), Lepidoptera, Lindane.

CONTROL OF BRACHYRHINUS CRIBRICOL-LIS INJURING ORNAMENTALS.

G P Wene

J Econ Entomol 62(4):941-942

15 Aug 1969 421 J822

Brachyrhinus crihricollis, Carhamates, Carharyl, Chemical control (insects), Chlordane, Chlorinated hydrocarhons, Chloro-1-(2,4,5trichlorophenyl)vinyl dimethyl phosphate, 2-, In-secticides, Organophosphorus compounds, Orna-mental plants, Oxydemetonmethyl, Spraying.

STUDIES ON INSECT DAMAGE AND GER-MINATION OF SEEDS, III. GERMINATION OF WHEAT JOWAR AND MAIZE SEEDS DAMAGED BY THE DEVELOPING GRUBS OF SITOPHILUS ORYZAE L. AND RHIZOPERTHA DOMINICA F.,

T D Yadav P Sircar M G Jotwani Indian J Entomol 30(1):83-84

Mar 1968 420 IN23

Corn, Crop losses, Rhizopertha dominica, Seed germination, Sitophilus oryzae, Wheat.

NEMATODES

10271-69

NEMATOCIDES, PATENT 3,457,353.

W Hafner E Kopp K Milles

Us Patent Office Offic Gaz 864(4):1322

22 Jul 1969 156.65 OF2

Chemical control (nematodes), Nematocides, Patents, Sodi bisulfite, Sulfites. Sodium monochloroacetaldehyde

WEEDS

10272-69

BIOLOGICAL CONTROL OF CUSCUTA SPP. II. BIOLOGY AND HOST-PLANT RANGE OF MELANAGROMYZA CUSCUTAE HERING (DIPT, AGROMYZIDAE).

G M Baloch A I Mohyuddin M A Ghani

Entomophogo 12(5):481-489

1967 421 EN835

Biological control (weeds), Cuscuta, Insect hiology, Melanagromyza, Phytophagous insects.

10273-69

METABOLISM OF TRIFLURALIN IN PEANUTS AND SWEET POTATOES.

P K Biswas W Hamilton

Weed Sci 17(2):206-211 REF

Apr 1969 79.8 W41

Biological assay, Cucumbers, Herbicides, Peanuts, Plant metabolism, Sweetpotatocs, Toxicology,

10274-69

BIOCHEMICAL BASIS FOR PLANT COMPETI-TION.

C C Black T M Chen R H Brown Weed Sci 17(3):338-344 REF

Jul 1969 79.8 W41

Competition, Light, Literature, Photosynthesis, Plant hiochemistry, Plant ecology, Plant physiology, Surveys, Temperature, Weeds.

10275-69

RESPONSE OF TROPICAL VEGETATION TO HERBICIDES.

R W Bovey C C Dowler J D Diaz-Colon

Weed Sci 17(3):285-290

Jul 1969 79.8 W41

Cacodylic acid, Chemical control (wccds), D, 2,4-, Diquat, Herbicides, Picloram, T, 2,4,5-, Tropical

LIGHT INTENSITY AND THE ABSORPTION AND TRANSLOCATION OF 2,4,5-T BY WOODY PLANTS.

H A Brady

Weed Sci 17(3):320-322

Jul 1969 79.8 W41

Absorption, Herbicides, Ilex opaca, Pinus palustris, Plant physiology, Quercus nigra, Quercus stellata, T, 2,4,5-, Translocation.

INFLUENCE OF WEED COMPETITION ON SORGHUM GROWTH.

O C Burnside G A Wicks

Weed Sci 17(3):332-334

Jul 1969 79 8 W41

Competition, Crop yields, Plant ecology, Plant physiology, Population, Sorghum, Weeds.

METABOLISM OF ORGANIC PESTICIDE CHEMICALS IN HIGHER PLANTS.

J E Casida L Lykken

Annu Rev Plant Physiol 20:607-636 REF

1969 450 AN78

Amides, Anilides, Carhamates, Chlorinated hydrocarbons, Fungicides, Herbicides, Insecticides, Organic compounds, Plant metabolism, Reviews, Toxicology, Triazines.

10279-69

AFRICAN FEATHER GRASS--A WEED WORTH WATCHING.

F R H Chapman

S Australia J Agr 72(6):212-213

Jan 1969 23 SO84

Bromacil, Chemical control (weeds), DPA, Herbieides, Monuron, Pennisetum macrourum, Trichloroacetic acid, Weeds.

EFFECTS OF SEVERAL HERBICIDES ON YEWS AND JAPANESE MAPLES.

L L Danielson C May Weed Sci 17(2):142-144 REF Apr 1969 79,8 W41

Acer palmotum, Amitrole, Dinoseb, Diuron, Herbieides, CIPC, Sesone, Simazine, Taxus, Trifluralin.

CONTROL OF AQUATIC PLANTS WITH DITHIODIUNDECANOIC ACID. PATENT 3.432.286.

Us Patent Office Offic Gaz 860(2):524 11 Mar 1969 156.65 OF2

CROP PROTECTION

10282-69

Amaranthus retroflexus, Chemical control (weeds), Chenopodium album, Diphenamid, Her-

BIBLIOGRAPHY

10282-69

hihitors, Patents.

A METHOD FOR SPRAYING INDIVIDUAL TREES.

Aquatic plants, Chemical control (weeds), Chemi-

cals, Dithiodiundecanoic acid, Growth factors, In-

C C Dowler J R McCalmont M H Byrom

Weed Sci 17(2):260-262

Apr 1969 79.8 W41

Chemical control (weeds), Herhicides, Methodology, Pesticide application, Spraying, Trees, Weed control

DOWNY BROME CONTROL BY SOIL-ACTIVE HERBICIDES FOR REVEGETATION OF RAN-GELANDS.

R A Evans R E Eckert B L Kay J A Young

Weed Sci 17(2):166-169

Apr 1969 79.8 W41

Artemisia tridentata, Atrazine, Bromus tectorum, Chemical control (weeds), Herbicides, Ranges,

YELLOW FOXTAIL COMPETITION IN GRAIN SORGHUM.

K C Feltner H R Hurst L E Anderson

Weed Sci 17(2):211-213 REF

Apr 1969 79.8 W41

Competition, Population, Setaria glauca, Sorghum, Water, Weeds.

10285-69

TALL WATERHEMP COMPETITION IN GRAIN SORGHUM.

K C Feltner H R Hurst L E Anderson

Weed Sci 17(2):214-216

Apr 1969 79.8 W41

Amaranthaceae, Competition, Sorghum, Water,

10286-69

BEHAVIOR OF PYRAZON IN SOIL.

R Frank C M Switzer

Weed Sci 17(3):323-326

Jul 1969 79.8 W41

Brassica, Chromatography, Decomposition, Herhicides, Pyrazon, Soil microorganisms, Spectrophotometry.

ABSORPTION AND TRANSLOCATION OF PYRAZON BY PLANTS.

R Frank C M Switzer

Weed Sci 17(3):365-370

Jul 1969 79.8 W41

Absorption, Chenopodium album, Herbicides, Plant physiology, Pyrazon, Sugar beets, Translocation.

10288-69

EFFECTS OF PYRAZON ON GROWTH, PHOTOSYNTHESIS, AND RESPIRATION.

R Frank C M Switzer

Weed Sci 17(3):344-348 REF

Jul 1969 79.8 W41

Herbicides, Photosynthesis, Plant biochemistry, Plant physiology, Plant respiration, Pyrazon.

1967 PRE-EMERGENCE WEED CONTROL IN POTATOES ON LONG ISLAND.

D H Fricke S L Dallyn

Northeast Weed Contr Conf Proc 22:417-423

03 Jan 1968 79.9 N814

Chemical control (weeds), Crop yields, Herbicides, Potatoes.

PHYTOTOXICITY OF BEMETHYLATED ANALOGS OF DIPHENAMID.

W A Gentner

Weed Sci 17(3):284-285

Jul 1969 79.8 W41

bicides, Phytotoxicity, Rape, Tomatocs.

10291.69

REPEATED, FOLIAR APPLICATIONS OF HER-BICIDES ON JOHNSONGRASS.

K.C. Hamilton

Weed Sci 17(2):245-250

Apr 1969 79.8 W41

Chemical control (weeds), Dalapon, Disodium methanearsonate, Foliar application, Herbicides, Monosodium acid methanearsonate, Sorghum halepense, Weed control.

TRANSLOCATION OF ASSIMILATES AND DALAPON IN ESTABLISHED JOHNSON-GRASS.

R J Hull

Weed Sci 17(3):314-320 REF

Jul 1969 79.8 W41

Carbohydrates, Dalapon, Herbicides, metabolism, Plant physiology, Radioactive tracers, Sorghum halepense, Translocation.

10293.69

THE RESPONSE OF FUMITORY TO VARIOUS HERBICIDES.

L S Jeffery J D Nalewaja Weed Sci 17(3):355-358

Jul 1969 79.8 W41

Chemical control (weeds), Dichlorprop, Fumaria officinalis, Herhicides, Humidity, loxynil, Temperature, Weed control.

10294-69

SELECTIVE GRASS CONTROL WITH SIDU-RON.

H D Kerr

Weed Sci 17(2):181-186

Apr 1969 79.8 W41

Chemical control (weeds), Digitaria sanguinalis, Echinochloa crusgalli, Fenuron, Grasses, Ipc, Seed treatment, Siduron, Weed control.

BASIS FOR SELECTIVITY OF LINURON ON CARROT AND COMMON RAGWEED.

H Kuratle E M Rahn C W Woodmansee

Weed Sci 17(2):216-219

Apr 1969 79.8 W41

Ambrosia, Carrots, Herbicides, Linuron, Phytotoxicity, Plant metabolism, Toxicology.

10296-69

WEED CONTROL IN SUGARBEETS.

W F Meggitt

Sugar Beet J 32(3, SPRING):10-11

1969 66.8 SU38

Chemical control (weeds), isopropylacetanilide, 2-, Herbicides, Chloro-N-Pyrazon, Sugar beets, Trichloroacetic acid.

CONTROL OF **JOHNSONGRASS** DRAINAGE DITCHBANKS IN SUGARCANE.

R W Millhollon Weed Sci 17(3):370-373

Jul 1969 79.8 W41

Bromacil, Chemical control (weeds), Cynodon dactylon, Dalapon, Drainage ditches, Fenae, Herbicides, Monosodium acid methanearsonate, Sodium chlorate, Sorghum halepense, Sugarcane, Trichloroacetic acid, Weed control.

EFFECT OF NITROGENOUS MATERIALS ON THE UPTAKE OF TRIAZINE HERBICIDES.

W H Minshall

Weed Sci 17(2):197-201

Apr 1969 79.8 W41

Herbicides, Plant physiology, Potassium nitrate, Tomatoes, Triazines, Urea.

MECHANISMS OF ACTION OF HERBICIDES.

D E Moreland

Annu Rev Plant Physiol 18:365-386 REF 1967 450 AN78

Bibliography, Herbicides, Hill reaction, Nucleic acids, Photosynthesis, Plant metabolism, Proteins, Reviews, Toxicology.

CHEMICAL STIMULATION OF ETHYLENE EVOLUTION AND BUD GROWTH.

P W Morgan R E Meyer M G Merkle

Weed Sci 17(3):353-355

Jul 1969 79.8 W41

Acacia farnesiana, Defoliants, Ethylene, Herbicides, Organophosphorus compounds, Plant physiology, Prosopis juliflora.

REACTION OF FLAX TO DICAMBA APPLIED AT SEVERAL STAGES.

J D Nalewaja

Weed Sci 17(3):385-387

Jul 1969 79.8 W41

Chemical control (weeds), Dicamba, Flax, Herbicide application, Herbicides, Weed control.

EFFECT OF SOIL WATER STRESS AND SOIL TEMPERATURE ON TRANSLOCATION OF DIURON.

Weed Sci 17(3):304-309 REF

Jul 1969 79.8 W41

Diuron, Herbicides, Diuron, Herbicides, Plant physiology, Soi moisture, Soil temperature, Translocation, Wheat.

10303-69

RESPONSE OF IRONWEED AND BUCKBRUSH TO HERBICIDES AND TO HERBICIDES IN COMBINATIONS WITH MOWING, NITROGEN FERTILIZER, AND SURFACTANTS.

E J Peters J F Stritzke

USDA Tech Bull (1400):16P REF

Feb 1969 1 AG84TE

D. 2,4-, Dicamba, Fenac, Fertilizers, Herbicides, Mowing, Nitrogen, Pesticide application, Phenoxy acid compounds, Picloram, Surface-active agents, Symphoricarpos, Trichlorobenzoie acid, 2,3,6-. Vernonia.

10304-69

TRANSLOCATION OF THE HERBICIDE DICAMBA IN PURPLE NUTSEDGE, CYPERUS ROTUNDUS.

B Ray M Wilcox

Physiol Plant 22(3):503-505

05 Jun 1969 450 P564 (1)

Chromatography, Cyperus rotundus, Dicamba, Herbicides, Plant physiology, Plant translocation.

Pairs of nutsedge plants connected by rhizomes were planted, each in a separate pan, without cutting the rhizomes. One plant within each pair was treated with 5.7 kg. of dicamba per hectare seven days later. Ten days after treatment, the treated plants and those attached by rhizomes were harvested separately and analyzed by gas chro-matography. The attached plants were found to contain 6 percent as much dicamba as did the directly treated plants.

10305-69

EFFECTS OF CHLORPROPHAM VAPORS ON DODDER SEEDLINGS.

C H Slater J H Dawson W R Furtick A P

Appleby

Weed Sci 17(2):238-241 REF Apr 1969 79.8 W41

Alfalfa, Chemical control (weeds), Cuscuta, CIPC, Seedlings, Vapors, Weed control.

EFFECTS OF GROWTH REGULATORS AND HERBICIDES ON GERMINATION OF HYDRIL-LA TURIONS.

K K Steward

Weed Sci 17(3):299-301 REF

Jul 1969 79.8 W41

Aquatic plants, Chemical control (weeds), D, 2,4-, Diquat, Gibberellic acid, Herbicides, Paraquat, Phytotoxicity, Plant growth regulator, Weed con-

10331-69

BIBLIOGRAPHY

10307-69

HERBICIDE SCREENING TESTS DURING 1967 IN AGRICULTURAL CROPS AND POTTED HERBS. (DU)

J Stryckers M van Himme

Ghent Landbouwhoogesch Centrum Onkruidonderz Mededel (7):1-15

1967 79.9 G342M

Biological assay, Crops, Herbicide application, Herbicides, Herbs.

10308-69

ABSORPTION AND PENETRATION PICLORAM IN POTATO TUBER DISCS.

C R Swanson J R Baur Weed Sci 17(3):311-314

Jul 1969 79.8 W41

Absorption, Chromatography, Herbicides, Penetration, Picloram, Plant physiology, Potatoes, Temperature, Toxicology.

10309-69

SEED DORMANCY AND GERMINATION IN ECOTYPES OF JOHNSONGRASS.

R B Taylorson C G McWhorter

Weed Sci 17(3):359-361 REF

Jul 1969 79.8 W41

Light, Plant ecology, Potassium nitrate, Seed dormancy, Seed germination, Sorghum halepense, Temperature, Weeds.

CONTROL OF GREEN RABBITBRUSH AND SAGEBRUSII WITH 2,4-D AND PICLORAM.

P T Tueller R A Evans

Weed Sci 17(2):233-235

Apr 1969 79.8 W41

Agropyron, Artemisia tridentata, Chemical control (weeds), Chrysothamnus, D, 2,4-, Picloram, Weed

EFFECTS OF 2,4,5-T DURING THE AP-PROACH OF WOODY PLANT DORMANCY. R P Upchurch J A Keaton H D Coble

Weed Sci 17(2):229-233 REF

Apr 1969 79.8 W41

Acer rubrum, Herbicides, Plant dormancy, Quercus laevis, T, 2,4,5-.

RESPONSE OF SOYBEANS TO 2,4-D, DICAM-BA, AND PICLORAM.

L M Wax I. A Knuth F W Slife

Weed Sci 17(3):388-393 REF

Jul 1969 79.8 W41

D, 2,4-, Dicamba, Herbicide application, Herbicides, Picloram, Plant physiology, Soybeans.

10313-69

ACCURATELY PREDICTING A HERBICIDES POTENTIAL.

J W Whitworth W P Anderson

Weed Sci 17(3):290-293

Jul 1969 79.8 W41

Biological assay, Chemical control (weeds), Field test, Herbicides.

10314-69

A SPRAYER FOR APPLICATION OF SMALL AMOUNTS OF HERBICIDES TO FLATS.

M Wilcox

Weed Sci 17(2):263-264 REF

Apr 1969 79.8 W41

Herbicides, Methodology, Pesticide application, Spraying.

10315-69

EPTC EFFECTS ON SICKLEPOD PETIOLAR FATTY ACIDS.

R E Wilkinson W S Hardcastle

Weed Sci 17(3):335-338 REF

Jul 1969 79.8 W41

Cassia obtusifolia, Ethyl N,N-dipropylthiocarba-mate, Fatty acids, Herbicides, Plant biochemistry, Plant physiology.

10316-69

THE EFFECTS OF TWO PHYTOBLAND OILS ON THE POSTEMERGENCE ACTIVITY OF BROMOXYNIL AND DNBP APPLIED IN TWO SPRAY VOLUMES IN ALFALFA.

H P Wilson R D Ilnicki

Northeast Weed Contr Conf Proc 22:294-298 03 Jan 1968 79.9 N814

Alfalfa, Bromoxynil, Chemical control (weeds), Dinoseb, Plant injuries.

EFFECTS OF HIGH RATES OF TRIFLURALIN AND VERNOLATE ON SOYBEAN YIELD AND GROWTII.

E L Wisk R H Cole

Northeast Weed Contr Conf Proc 22:482-486

03 Jan 1968 79.9 N814

Chemical control (weeds), Crop yields, Plant injuries, Propyl n,n-dipropylthiolcarbamate, Soybeans, Trifluralin.

OTHER PESTS

10318-69

METABOLISM OF STRYCHNINE NITRATE APPLIED FOR THE CONTROL OF THE BEAR.

T Inukai

Residue Rev 25:315-318

1969 389.9 R314

Bears, Chemical control (pests), Crop losses, Livestock, Pest control, Strychnine.

10319-69

USE OF METALDEHYDE AS DUSTS AND SPRAYS TO CONTROL THE GIANT AFRICAN SNAIL ACHATINA FULICA BOWDICII.

M R G K Nair N M Das A Jacob

Indian J Entomol 30(1):58-60

Mar 1968 420 IN23

Achatina fulica, Chemical control (pests), Dusting, Metaldehyde, Molluscacides, Snails, Spraying.

OBSERVATIONS ON THE CONTROL OF ACHATINA FULICA BOWDICII, THE GIANT AFRICAN SNAIL WITH METHLDEHYDE. P D Srivastava Y N Srivastava J Singh

Indian J Entomol 30(2):175-176

Jun 1968 420 IN23

Achatina fulica, Baits, Chemical control (pests), Metaldehyde, Molluscacides, Snails.

10321-69

ROLE OF HERMIT CRABS IN THE BIOLOGI-CAL CONTROL OF ACHATINA FULICA (BOWDICH) ON THE ANDAMANS.

P D Srivastava

Indian J Entomol 30(3):217-219

Sep 1968 420 IN23

Achatina fulica, Biological control (pests), Crabs, Plant pest control, Population.

GULELLA (INDOENNEA) BICOLOR (HUTTON), A PREDATOR OF GIANT AFRICAN SNAIL ACHATINA FULICA BOWDICH.

P D Srivastava

Indian J Entonial 30(3):240-241

Sep 1968 420 IN23

Achatina fulica, Biological control (pests), Snails, Zoogeography.

10323-69

RELATIONSHIP BETWEEN AMOUNT OF THINNING, TIME OF CARE, AND DAMAGES CAUSED BY RED DEER. (GE)

J Steiner

Sozialistische Forstwirtsch (18):365-369

1968 99.8 W 143

Deer, Forest cutting systems, Time, Tree injuries.

LIVESTOCK PROTECTION

DISEASES

10324-69

VITAMIN A METABOLISM IN PROTEIN DEFI-CIENCY

H R Adhikari U K Vakil A Sreenivasan J Biochem 5(3):132-137, REF

Sep 1968 385 J822

Biochemistry, Deficiency diseases, Metabolism, Proteins, Rats, Vitamin A.

INCIDENCE OF BLUETONGUE REPORTED CALENDAR YEAR 1967.

4P MAP

Jul 1968 A41.9 R317IN

Bluetongue, Epidemiology, Livestock diseases, Sheep, Virus diseases (animals).

A SALMONELLA TYPHIMURIUM INVOLVED IN THE REGULATION OF ISOLEUCINE, VALINE AND LEUCINE BIOSYNTHESIS.

R R Alexander J M Calvo

Genet Soc Amer Rec 61(3):539-556 REF

Mar 1969 442.9 G28

Amino acids, Biochemistry, Genetics, Salmonella typhimurium.

TOXOPLASMA GONDII: ISOLATION OF SAM-PLES STARTING FROM THE DIAPHRAGMS
OF CLINICALLY HEALTHY PIGS SLAUGHTERED IN SAO PAULO, BRAZIL. (POR)

V do Amhral R Macruz

Sao Paulo Iust Biol Arq 3611 JAN-MAR):47-54 Mar 1969 442.9 SA6

Animal diseases, Swine, Toxoplasma gondii.

Eight strains of Toxoplasma gondii were isolated from diaphragms of 25 apparently healthy pigs obtained from the slaughter-houses of Sao Paulo city and to be bound for human consumption. One of the eight strains was not virulent for mice and was detected only in histological section of material from mice after the fifth blind passage.

10328-69

HOG CHOLERA AND OTHER COMMUNICA-BLE SWINE DISEASES. MISCELLANEOUS AMENDMENTS.

R J Anderson

Fed Regist 34(100):8153-8157

24 May 1969 L1.451

Hog cholera, Legislation, Livestock diseases, Swine.

10329-69

OPERATOR CONSTITUTIVE MUTATIONS IN THE LEUCINE OPERON OF SALMONELLA TYPHIMURIUM.

J M Calvo P Margolin H E Umbarger Genet Soc Amer Rec 61(4):777-787 REF

Apr 1969 442.9 G28 Biochemistry, Genes, Leucine, Salmonella typhimurium.

10330-69

INACTIVATED HOG CHOLERA VIRUS VAC-CINE. PATENT 3,456,053.

J G Crawford

Us Patent Office Offic Gaz 864(3):967 15 Jul 1969 156 65 OF2 Hog cholera vaccines, Hog cholera virus, Patents,

10331-69

Swine.

VACCINATED CATTLE....CAN HARBOR FOOT AND MOUTH DISEASE.

Agr Res 17(11):7

May 1969 1.98 AG84

Cattle, Disease transmission, Foot-and-mouth disease, Immunity, Livestock diseases, Pharynx, Virology, Virus diseases (animals).

10332-69

10332-69

FOOT LAMENESS IN PIGS.

K J Dobson

S Australia J Agr 72(6):227-230

Jan 1969 23 SO84

Baths, Concrete, Drug therapy, Feet, Foot rot diseases, (animals). Infectious Lameness. Livestock diseases, Swine, Ulcers.

MUTAGENIC EFFECTS OF TEPA AND METEPA IN MICE.

S S Epstein Y Bishop

Genetics 61(2,PT 2,SUPPL):S16

1969 442.8 G28

Animal genetics, Chemosterilants, Metepa, Mice, Tepa.

Mutagens

10334-69

CONTROL METHOD OF INACTIVATED VAC-CINES AGAINST THE NEWCASTLE DISEASE BY MEANS OF THE TITULATION OF NEUTRALIZING ANTIBODIES. (SP)

J M Grillo Torrado P B de Muslero P A Arieta Rev Invest Agropecuar Ser 4 Patol Anim 4(6):65-80

1967 41.8 R3227

Antibodies, Chickens, Methodology, Newcastle disease vaccines, Serological tests. English ab-

10335-69

BLOAT ON DOLICHOS LABIAB.

R I Hamilton G Ruth

Trop Grasslands 2(2):135-136

Oct 1968 SB197.A1T7

Animal diseases, Animal nutrition, Bloat, Cattle, Grazing, Hyacinth dolichos, Legumes, Surface-active agents.

10336-69

THE RELATIVE INCIDENCE OF VIBRIO FETUS INFECTION IN DAIRY AND BEEF CATTLE IN NEW SOUTH WALES.

D Jakovljevie H E R Beattie Australian Vet J 45(6):275-278 Jun 1969 41.8 AU72

Cattle, Surveys, Vibrio fetus.

10337-69

TETRACYCLINE ANTIBIOTIC COMPOSI-TIONS FOR ORAL USE, PATENT 3,454,697.

A Joyner C K Piercy

Us Patent Office Offic Gaz 864(2):575

08 Jul 1969 156.65 OF2

Antibiotics, Chlortetracycline, Demethylchlortetracycline, Patents, Tetracycline.

ISOLATION OF SALMONELLA PULLORUM FROM A CASEOUS NODULAR IN THE OR-BITAL REGION OF A CHICK ARBOR ACRES BREED. (POR)

J R July A Nakano

Sao Paulo Inst Biol Ary 36(1 JAN-MAR):55-57

Mar 1969 442 9 SA6

Chickens, Eyes, Salmonella pullorum. English abstract.

SURVEY OF YEASTLIKE FUNGI AND TISSUE CHANGES IN ESOPHAGOGASTRIC REGION OF STOMACHS OF SWINE.

W L Kadel D C Kelley E H Coles

Amer J Vet Res 30(3):401-408 REF

Mar 1969 41.8 AM3A

Candida albicans, Esophagus, Fungi, Gastrointestinal system, Keratinization, Livestock diseases, Mycosis, Stomach, Swine, Ulcers.

ONTOGENY OF THE IMMUNE RESPONSE. V. FURTHER CHARACTERIZATION OF 19 S GAMMA G- AND 7 S GAMMA G-IMMU-NOGLOBULINS IN THE TRUE PRIMARY IM-MUNE RESPONSE IN GERMFREE, COLOSTRUMDEPRIVED PIGLETS. Y B Kim S G Bradley D W Watson J. Immunol 101(2):224-236,REF

Aug 1968 448.8 J8232 Baby pigs, Germ-free life, Globulins, Immunity,

ANALYTICAL STUDIES ON EXTRACTS OF LITOMOSOIDES CARINIL (GE

G Lammler B Enders H Zahner Z Parasitenk 32(3):254-265 REF

16 Jun 1969 442.8 Z33F

Animal extracts, Biochemistry, Electrophoresis, Filariasis, Hexoses, Nitrogen, Proteins, Rodents. English abstract.

10342-69

THE COMPARATIVE PATHOLOGY OF DUCK PLAGUE IN WILD ANSERIFORMES.

L Leibovitz

J Wildlife Manage 33(2):294-303

Apr 1969 410 J827

Aquatic birds, Duck plague, Ducks, Geese, Virus diseases (animals), Wildlife diseases.

ON THE EFFECT OF MOLDS ON VARIOUS ANIMAL SPECIES. PART 2. (GE

Z Angew Zool 55(4):385-425 REF

1968 449.8 736

Animal physiology, Animals, Aspergillus niger, Bibliography, Mycosis, Termites. English abstract.

EQUINE VACCINES AND VACCINATIONS.

M Lyall

Auburn Vet 25(SPRING):100-103

1969 41.8 AUI

Equine encephalomyelitis vaccines, Equine influenza vaccines, Equine rhinopneumonitis vaccines, Horses, Immunization, Strangles (horses), Tetanus, Vaccines.

BABESIA ARGENTINA: SERUM CHANGES IN INFECTED CALVES.

D F Mahoney B V Goodger Exp Parasitol 24(3):375-382 REF Jun 1969 436.8 EX7

Babesia argentina, Calves, Fibrinogen, Serum.

RUBBER--VINE (CRYPTOSTEGIA GRAN-DIFLORA) TOXICITY FOR RUMINANTS. M D McGavin

Queensland J Agr Anim Sci 26(1):9-19

Mar 1969 23 Q37

Livestock diseases, Poisonous plants, Ruminants, Toxicity, Weeds.

THE OCCURRENCE OF EPHEMERAL FEVER OF CATTLE IN VICTORIA IN 1968.

I Morgan M D Murray

Australian Vet J 45(6):271-274 MAP

Jun 1969 41.8 AU72

Cattle, Ephemeral fever, Epizootic diseases, Surveys.

10348-69

CASE OF RABIES IN GUINEA PIG WITH LONG INCUBATION PERIOD. (POR)

M R Nilsson

Suo Paulo Inst Biol Arq 36(1 JAN-MAR):59-61 Mar 1969 442.9 SA6

Animal histology, Biological assay, Guinea pigs, Inclusion bodies, Rabies. English abstract.

Two guinea pigs were inoculated intramuscularly with rabies virus from the brain of a dog. This brain was maintained at -20 degrees C. for 10 months before inoculation. The titer of this virus was 10 to the minus 2.6/0.025 ml. when tested in adult mice by the intracerebral inoculation. A guinea pig died 373 days after inoculation and his brain was positive for rabies by detection of Negri bodies and by mouse inoculation test, with incubation period of 7-8 days.

10349-69

RABIES DIAGNOSIS. OBSERVATIONS ON STRAINS OF VIRUS PATHOGENICITY. (POR) WITH

M R Nilsson

Sao Paulo Inst Biol Arq 36(1 JAN-MAR):63-65

Mar 1969 442.9 SA6

Bats, Diagnosis, Livestock, Mice, Rabies virus, Vectors, Virulence.

OFFICIAL PROCEEDINGS. SECOND ANNUAL PACIFIC NORTHWEST ANIMAL NUTRITION CONFERENCE, AT PACIFIC SCIENCE CENTER, SEATTLE, WASHINGTON, NOVEMBER 9-10, 1967.

104P RFF

Nov 1967 SF95.P3

Animal nutrition, Conferences, Deficiency diseases, Feed.

10351-69

AN OUTBREAK OF VIBRIOSIS IN SHEEP IN NEW SOUTH WALES.

G E Robards G R Peart H Acland Australian Vet J 45(6):279-280

Jun 1969 41.8 AU72

Sheep, Surveys, Vibriosis.

10352-69

EFFECT OF MANGANESE AND COBALT ON ASCORBIC ACID METABOLISM IN RATS.

N Sasmal D Mukherjee N C Kar G C Chatterjee J Biochem 5(3):123-125 REF

Sep 1968 385 J822

Ascorbic acid, Cobalt sulfate, Manganese chloride, Metabolism, Rats.

RESEARCH ON THE EFFECT OF THE ENTOMOPHAGOUS FUNGI BEAUVERIA BASSIANA (BALS.) VUILL, AND METARRHIZIUM ANISOPLIAE (METSCH.) SOROK. ON WARMBLOODED ANIMALS. (GE)

B Schaerffenberg

Entomophaga 13(2):175-182 REF

1968 421 EN835

Allergies, Beauveria bassiana, Entomogenous fungi, Mammals, Metarrhizium anisopliae, Toxicology. English summary.

10354-69

EIMERIA TENELLA SCHIZONTS MEROZOITES IN MACROPHAGES AS SHOWN BY ELECTRON MICROSCOPY. (GE)

E Scholtyseck R G Strout A Haberkorn Z Parasitenk 32(3):284-296 REF

16 Jun 1969 442.8 Z33F

Animal diseases, Eimeria tenella, Electron microscopy, Morphology. English abstract.

10355-69

MEDICAL AND VETERINARY CHEMICALS. VOL.I, PARTS I AND II.

R Slack A W Nineham Oxford, Pergamon Press. 254P

1968 RS79.S4

Antibiotics, Drugs, Malaria, Tuberculosis, Veterinary medicine, Viruses.

10356-69

GAS CHROMATOGRAPHIC METHOD FOR DETERMINATION BESTROL IN FEEDS. OF DIETHYLSTIL-

1 E Smiley E D Schall Ass Offic Anal Chem J 52(1):107-109

Jan 1969 381 AS7

Bis-(trimethylsilyl)acetamide, N,O-, Chemical analysis, Chromatography, Dienestrol diacetate, Diethylstilbestrol, Feed additives.

K J Staples

PROBLEMS IN RAISING DUCKS.

S Australia J Agr 72(6):202-207 Jan 1969 23 SO84

Aspergillosis, Botulism, Coccidiosis, Deficiency diseases, Ducks, Food poisoning, Fowl cholera, Fumigation, Mycosis, Parasitic insects, Poultry diseases, Poultry farm management, Respiratory diseases, Salmonellosis, Sanitation, Spirochetosis, Temperature.

10358-69

THE ISOLATION OF A STRAIN OF LEP-TOSPIRA, SEROTYPE HARDJO, FROM CAT-TLE IN QUEENSLAND.

N D Sullivan N D Stallman

Australian Vet J 45(6):281-283 REF

Jun 1969 41.8 AU72

Antibodies, Cattle, Leptospira hardjo, Serological

TABLET DOSAGE-FORM FOR THE IMMU-NIZATION OF THE INTESTINAL TRACT WITH LIVE VIRUS PREPARATIONS. PATENT 3,458,621.

H Tint

Us Patent Office Offic Gaz 864(5):1644

29 Jul 1969 156.65 OF2

Immunization, Intestines, Patents, Virueides,

10360-69

IMMUNOGENICITY OF CONCENTRATED AND PURIFIED RABIES VACCINE OF TISSUE CULTURE ORIGIN.

T J Wiktor F Sokol E Kuwert H Koprowski Soc Exp Biol Med Proc 131(3):799-805 REF Jul 1969 442.9 SOT

Immunology, Mice, Rahies vaccines, Tissue cul-

10361-69

IMMUNE LYSIS OF RABIES VIRUS-INFECTED CELLS.

T J Wiktor E Kuwert H Koprowski J Immunol 101(6):1271-1282, REF

Dec 1968 448.8 J8232 Cells, Hamsters, Immunity, Lysis, Rabies.

METHOD FOR COMBATING MICRO-ORGAN-ISMS. PATENT 3,458,636.

C Woolf R H Wood

Us Patent Office Offic Gaz 864(5):1646

29 Jul 1969 156.65 OF2

Bactericides, Bis(trifluoromethyl)-3,4-difluorooxetene, 2,2-, Microorganisms, Patents, Staphylococcus aureus.

ARTHROPODS

10363-69

THE INCIDENCE OF DEMODECTIC MITES IN THE EYELIDS OF VARIOUS MAMMALIAN HOSTS.

D W Baker W F Fisher

J Econ Entomol 62(4):942

15 Aug 1969 421 J822

Cattle, Deer, Demodex, Eyelids, Goats, Horses, Mites, Sheep.

10364-69

A STUDY OF THE MITES OF THE GAMASOIDEA SUPERFAMILY (PARASITIFORMES) INFESTING SMALL MAMMALS ON THE VITOSHA MOUNTAIN. (RUS)

M Koyumdjieva

Bulgarska Akad Nank Zool Inst Muz Izv 23:109-137 REF

1967 410.9 B8721

Acarina, Insect hiology, Mammals, Population. English abstract.

RECORDS OF PUPIPAROUS DIPTERA (HIP-POBOSCIDAE) ON BIRDS IN INDIA--III. M G R Menon Y P Beri S S Misra

Indian J Entomol 30(3):242

Sep 1968 420 IN23

Birds, Hippoboseidae, Parasitic insects, Pupae.

PARASITES

10366-69

NOTES ON PARASITOLOGY: (A). CANINE HOOKWORM (ANCYLOSTOMA CANNUM (ERCOLANI 1859, HALL, 1913) AND (B) CANINA COCCIDIOSIS (EIMERIA CANIS, WENYON 1923), (SP)

Rev Iberica Parasitol 29(1 JAN-MAR):63-68 Mar 1969 436.8 R32

Ancylostoma caninum, Dogs, Eimeria, Taxonomy.

USE OF INERT PARTICLES FOR THE DIAGNOSIS OF SHEEP CISTICERCOSIS. BENTONITE TEST. (SP)

M Atienza Fernandez V Gomez Garcia J Gonzalez Castro

Rev Iberica Parasitol 29(1 JAN-MAR):35-43 REF Mar 1969 436.8 R32

Bentonite, Cysticereus, Goats, Serodiagnosis, Sheep. English abstract.

10368-69

STUDIES ON LIPID METABOLISM OF ASCARIS DURING STARVATION.

C G Beames N S Jacohsen G W Harrington Okla Acad Sci Proc 47:40-44 REF 1968 500 OK42

Ascaris lumhricoides suum, Carhon dioxide, Lipids, Metabolism, Starvation.

PYRUVATE KINASE AND PHOSPHOENOL-PYRUVATE CARBOXYKINASE ACTIVITIES OF ASCARIS MUSCLE, HYMENOLEPIS DIMINUTA AND SCHISTOSOMA MANSONI. E Bueding H J Saz

Compar Biochem Physiol 24(2):511-518 REF Feb 1968 444.8 C73

Ascaris, Biochemistry, Hymenolepis diminuta, Kinases, Museles, Pyruvate kinase, Schistosoma mansoni

10370-69

THE DEVELOPMENT OF THE BODY WALL OF POLYMORPHUS MINUTUS (ACANTHOCEPHALA) IN ITS INTERMEDIATE HOST GAMMARUS PULEX.

P.E. Butterworth

Parasitology 59(2):373-388 REF

May 1969 448.8 P21

Morphology, Acanthocephala, Arthropoda, Physiology, Polymorphus hosehadis.

10371-69

CONTRIBUTION TO THE RESEARCH ON THE HELMINTH FAUNA OF WILD BIRDS IN THRACE (SOUTHERN BULGARIA) ACATHOCEPHALA. (RUS)

K Caceva

Bulgarska Akad Nauk Zool Inst Muz Izv 23:175-181

1967 410.9 B8721

Acanthocephala, Birds, Surveys, Zoogeography. French abstract.

RECENT TECHNIQUES FOR SERODIAGNOSIS OF HYDATIDOSIS. V. THE IMPORTANCE OF TESTS OF BENTONITE, LATEX AND INDIRECT HEMAGGLUTINATION IN THE FIELD SANITATION OF HIDATIOOSIS. (SP J G Castro

Rev Iberica Parasitol 28(4,OCT-DEC):553-565

Dec 1968 436.8 R32

Bentonite, Echinococcosis, Hemagglutination, Latex, Sanitation control (pests), Serodiagnosis.

ON THE ENVIRONMENT OF POLYMORPHUS MINUTUS (ACANTHOCEPHALA) IN DUCKS. D W T Crompton

Parasitology 59(1):19-28 REF

Feb 1969 448.8 P21

Biochemistry, Biology, Ducks, Environment, Intestines, Parasitism, Polymorphus boschadis, Poultry diseases.

19374-69

THE EFFECT OF GASTRO-INTESTINAL SECRETIONS ON TAENIID EGG MEM-BRANES. (GE)

R Gonnert H Thomas

Z Parasitenk 32(3):237-253 REF

16 Jun 1969 442.8 Z33F

Animal diseases, Eggs, Enzymes, Gastrointestinal system, Hydrolysis, Physiology, Taenia hydatigena, Taenia pisiformis, Taenia saginata. English abstract.

10375-69

PNEUMOSTRONGYLUS TENUIS IN MOOSE ON A DEER-FREE ISLAND.

P D Karns P A Jordan

J Wildlife Manage 33(2):431-433 REF

Apr 1969 410 J827

Feees, Larvae, Moose, Nematodes, Pneumostrongylus tenuis.

10376-69

DIROFILARIA IMMITIS FROM THE EYE OF A DOG.

D W Lavers D M Spratt C Thomas

Australian Vet J 45(6):284-286

Jun 1969 41.8 AU72

Diethylearbamazine, Dirofilaria immitis, Dogs, Eyes, Surgery.

10377-69

ANCYLOSTOMA CANINUM: FINE STRUCTURE OF INTESTINAL EPITHELIUM.

C C Lee

Exp Parasitol 24(3):336-347 REF

Jun 1969 436.8 EX7

Aneylostoma caninum, Cytology, Electron microscopy, Histology, Intestines, Mitochondria.

10378-69

THE FINE STRUCTURE AND METHOD OF FEEDING OF THE TISSUE PARASITIZING STAGES OF HISTOMONAS MELEAGRIDIS.

D L Lee P L Long B J Millard J Bradley Parasitology 59(1):171-184 REF

Feh 1969 448.8 P21

Biochemistry, Biology, Chickens, Electron microscopy, Histomonas meleagridis, Morphology, Nutrition, Turkeys.

10379-69

ARGININE METABOLISM IN ASCARIS LUM-BRICOIDES. ACTIVITY OF ARGININE CARBOXYLASE AND ARGINASE. (SP)

J Lopez-Gorge M Monteoliva

Rev Iberica Parasitol 29(1, JAN-MAR):3-34 REF Mar 1969 436.8 R32

Arginase, Asearis lumhricoides, Bibliography, Biochemistry, Carboxylases, Metabolism. English abstract.

THE COURSE OF NATURALLY ACQUIRED HELMINTH INFECTIONS OF HORSES GIVEN REGULAR ANTHELMINTIC TREATMENT.

M C Round Res Vet Sci 9(6):583-590 REF

Nov 1968 41.8 R312

Anthelmintics, Horses, La Thiazolyl)-henzimidizole, 2-(4-. Larvae, Strongylus,

10381-69

SCHISTOSOMAL CIRRHOSIS IN PIGS IN JABALPUR, M. P..

H P O Shrivastav J P Duhey

Cur Sci 38(6):147-148

20 Mar 1969 475 SCI23

Cirrhosis, Liver, Schistosomiasis, Swine.

SPIRURATA OF ANIMALS AND HUMANS AND THE DISEASES. (RUS)

K I Skryabine A A Soholev V M Ivashkin

LIVESTOCK PROTECTION

10383-69

Akad Nauk Sssr Gelmintol Lab Tr 19(5, SUPPL):7-239 REF

1967 436.9 AK1

Animal diseases, Diagnosis, Histology, Human diseases, Morphology, Nematodes, Spiruridae, Taxonomy

10383-69

TRANSMISSION OF HISTOMONIASIS WITH MALE HETERAKIS GALLINARUM (NE-MATODA).

W T Springer J Johnson W. M Reid Parasitology 59(2):401-405 REF May 1969 448.8 P21

Blackhead, Disease transmission, Epizootic diseases, Heterakis gallinarum, Poultry diseases, Tur-

COMMODITY PROTECTION

STORAGE DISEASES

10384-69

TREATED WATER CURBS TOMATO DECAY.

Anonymous

Agr Res 17(11):14

May 1969 1.98 AG84

Bacterial diseases (plants), Chemical control (plant diseases), Chlorine, Sodium hypochlorite, Storage diseases, Surface-active agents, Tomatoes, Water treatment

ARTHROPODS

10385-69

WHARF BORER.

Anonymous

Nat Pest Cont Ass Tech Release 16-69:1-4 29 Jul 1969 423.9 N213T

Chemical control (insects), Insect behavior, Insect biology, Insect identification, Insecticides, Nacerdes melanura, Zoogeography.

ODOROUS HOUSE ANT FEEDS ON PHOTO-GRAPHIC FILM.

L. R. Brown

J Econ Entomol 62(4):955-956

15 Aug 1969 421 J822

Feeding, Film, Formicidae, Gelatin, Insect behavior, Insect pests, Tapinoma sessile.

10387-69

THE CONTROL OF INSECTS IN BAGGED GRAIN BY THE INJECTION OF DICHLORVOS.

A A Green D R Wilkin

J Stored Prod Res 5(1):11-19

May 1969 421 J829

Chemical control (insects), Dichlorvos, Grain, Insecticides, Organophosphorus compounds, Oryzaephilus surinamensis, Sitophilus granarius, Stored products.

10388-69

STUDIES ON THE INCIDENCE AND EXTENT OF DAMAGE DUE TO INSECT PESTS IN STORED SEEDS.--I, CEREAL SEEDS.

P B Mookherjee M G Jotwani P Sircar T D Yaday

Indian J Entomol 30(1):61-65

Mar 1968 420 IN23

Crop losses, Grain, Stored-product insects, Surveys.

10389-69

OBSERVATIONS ON PROLONGED GRAIN STORAGE WITH FORCED AERATION IN ISRAEL.

S Navarro E Donahaye M Calderon J Stored Prod Res 5(1):73-81 REF May 1969 421 J829

BIBLIOGRAPHY

Aeration, Insect pests, Stored products, Temperature, Wheat.

10390-69

ANALYSIS OF GRAIN STORAGE PROBLEMS IN INDIA.

S Pradhan

Indian J Entornol 30(1):94-103

Mar 1968 420 IN23

Air, Chemical control (insects), Containers, Grain, Humidity, Oxygen, Storage, Stored product insects, Temperature.

BIOLOGICAL STUDIES IN GHANA IN THE CONTROL OF CADRA CAUTELLA (WLK.), THE TROPICAL WAREHOUSE MOTH.

J Rawnsley

Ghana J Agr Sci 1(2):155-159

1968 S19.G5

Biological control (insects), Cadra cautella, Chemical control (insects), Ghana, Insect pests, Stored products, Warehouses. French summary.

ENVIRONMENTAL CONTAMINATION

10392-69

SURFACE HYDROLOGY AND PESTICIDES.

W F Barthel D A Parsons L L McDowell E H Grissinger

Amer Soc Agron ASA Spec Publ 8:128-144 Nov 1966 64.9 AM3

Chlorinated hydrocarbons, Hydrology, Pesticide analysis, Pesticide residues, Pesticides, Sulfur, Water pollution.

OBSERVATIONS ON THE DECLINE OF WATER MILFOIL AND OTHER AQUATIC PLANTS, MARYLAND, 1962-1967.

H I Elser

Northeast Weed Contr Conf Proc 22:487

03 Jan 1968 79.9 N814

Aquatic plants, Aquatic weeds, Microorganisms, Myriophyllum spicatum.

EGGS AND CHL ORINATED HYDROCARBONS.

D C Erwin

World Rev Pest Contr 8(1,SPRING):4

1969 79.8 W89

Birds, Chlorinated hydrocarbons, Dichloro-2,2bis(p-chlorophenyl) ethylene, 1,1-, DDT, Eggs.

RESEARCH ON POLLUTION OF CROPS, SOIL AND SHALLOW BODIES OF WATER IN LIGURIA, THROUGH RESIDUES OF SOME ORGANOCHLORINATED PESTICIDES. (IT)

S Kanitz G Castello

Giornate Fitopatol 49-55 REF

26 Mar 1967 SB599.G5

Adipose tissue (animals), Aldrin, Chlorinated hydrocarbons, Chlorine, Crops, Dieldrin, DDT, Endrin, Lindane, Organic compounds, Pesticide residues, Soil contamination, Tables (data), Water pollution.

10396-69

POTENTIALS FOR REMOVING PESTICIDES FROM WATER.

F K Kawahara A W Breidenbach Amer Soc Agron ASA Spec Publ 8:122-127

Nov 1966 64.9 AM3

Chlorinated hydrocarbons, Pesticide analysis, Pesticide residues, Pesticides, Water, Water pollution, Water treatment.

10397-69

PESTICIDES AND CLAY MINERALS.

G W Kunze

Amer Soc Agron ASA Spec Publ 8:49-70 REF Nov 1966 64.9 AM3

Carbamates, Chlorinated hydrocarbons, Clay minerals, Fumigants, Organophosphorus pounds, Pesticide residues, Pesticides, Rainfall, Soil leaching, Soil texture.

10308-60

MOVEMENT OF PESTICIDES IN THE SOIL.

H.F.LeGrand

Amer Soc Agron ASA Spec Publ 8:71-77

Nov 1966 64.9 AM3

Pesticide residues, Soils, Waste disposal, Water.

10300-60

DETERMINATION AND MEASUREMENT OF INSECTICIDE DUST PARTICLES IN AT-MOSPHERES ADJACENT TO ORCHARDS.

G B MacCollom D B Johnstone B Parker Bull Environ Contamination Toxicol 3(6,NOV-DEC):368-374

Dec 1968 RA1270.P35A1

Fisherics, Food analysis, Insecticides, Metals, Orchards, Spectrophotometry.

10400-69

INFLUENCE OF PESTICIDES ON SOIL MICROBES AND SOIL PROPERTIES.

Amer Soc Agron ASA Spec Publ 8:95-107 REF Nov 1966 64.9 AM3

Decomposition, Pesticide residues, Plant physiology, Soil microorganisms, Soil properties, Soils, Toxicology.

10401-69

THE FATE OF PHENYL N.N°-DIMETHYLPHOSPHORDIAMIDATE IN SOIL. R W Meikle P H Christie

Bull Environ Contamination Toxicol 4(2,MAR-APR):88-103

Apr 1969 RA1270.P35A1

Chromatography, Degradation, Electrophoresis, Nematocides, Phenyl N.N'dimethylphosphorodiamidate, Radioisotopes, Soils

10402-69

CONSEQUENCES OF INSECTICIDE USE OF NONTARGET ORGANISMS.

L D Newsom

Annu Rev Entomol 12:257-286 REF

1967 421 AN72 Air, Animals, Bibliography, Birds, Chlorinated hydrocarbons, Fish, Humans, Insecticide residues, Insecticides, Plants, Soils, Water, Wildlife.

10403-69

WATER FLORAE AS INDICATORS OF IR-RIGATION WATER CONTAMINATION BY DDT.

G W Ware M K Dee W P Cahill

Bull Environ Contamination Toxicol 3(6,NOV-DEC):333-338

Dec 1968 RA1270.P35A1

Aquatic plants, DDT, Indicator plants, Insecticides, Irrigation, Plant water relations, Water analysis, Water pollution.

RESIDUES

10404-69

GLC DETERMINATION OF RESIDUES OF DISULFOTON, OXYDEMETONMETHYL, AND THEIR METABOLITES IN TOBACCO PLANTS.

M C Bowman M Beroza C R Gentry

Ass Offic Anal Chem J 52(1):157-162 REF Jan 1969 381 AS7

Chemical analysis, Chromatography, Disulfoton, Insecticide residues, Oxydemetonmethyl, Tobacco.

H V Brewerton

DDT IN FATS ON ANTARCTIC ANIMALS.

New Zealand J Sci 12(2):194-199 Jun 1969 514 N482

10429-69

Aquatic animals, Chlorinated hydrocarbons, Chromatography, DDT, Fats, Insecticide residues, Insecticides.

10406-69

PROBLEMS WITH DDT IN FISH CULTURE OPERATIONS.

J P Cuerrier J A Keith E Stone

Natar Can 94(3,MAY-JUN):315-320

Jun 1967 410 N216

DDT, Feed, Fish, Fishery products, Insecticide residues, Roe, Trout.

10407-69

PESTICIDE RESIDUES IN THE ECOSYSTEM.

E H Dustman L F Stickel

Amer Soc Agron ASA Spec Publ 8:109-121 REF Nov 1966 64.9 AM3

Chlorinated hydrocarhons, DDT, Pesticide application, Pesticide residues.

10408-69

UPTAKE OF DIELDRIN BY ISOLATED PER-FUSED GILLS OF RAINBOW TROUT.

P O Fromm R C Hunter

Can Fish Res Board J 26(7):1939-1942

Int 1969 442 9 C161

Animal physiology, Chlorinated hydrocarhons, Cyclodiene compounds, Dieldrin, Fish, Insecticide residues, Insecticides, Trout.

10409-69

COLLABORATIVE STUDY OF CONFIRMATIVE PROCEDURES BY SINGLE SWEEP OSCILLOGRAPHIC POLAROGRAPHY FOR THE DETERMINATION OF OR-GANOPHOSPHORUS PESTICIDE RESIDUES IN NONFATTY FOODS.

R J Gajan

Ass Offic Anal Chem J 52(4):811-817 REF Jul 1969 381 AS7

Chemical analysis, Diazinon, Food contamination, Insecticide residues, Malathion, Methodology, Methyl parathion, Organophosphorus compounds, Parathion, Polarography.

GAS CHROMATOGRAPHIC DETERMINATION OF RESIDUES OF DALAPON IN SEVERAL SUBSTRATES.

M E Getzendaner

Ass Offic Anal Chem J 52(4):824-831

Jul 1969 381 AS7

Animal extracts, Chemical analysis, Chromatography, Dalapon, Herhicide residues, Plant extracts.

INDUSTRY'S CONCERN WITH PESTICIDE RESIDUES.

R Hansberry

Amer Soc A gron ASA Spec Publ 8:10-17

Nov 1966 64.9 AM3

Aldrin, Corn, Cotton, Endrin, Fish, Heptachlor epoxide, Insecticide residues, Pesticide residues, Rice, Soils.

10412-69

EXTRACTION AND GAS-LIQUID CHROMATO-GRAPHIC DETERMINATION OF VERNOLATE IN SOIL.

H P Hermanson M Siewierski K Helrich Ass Offic Anal Chem J 52(1):175-177

Jan 1969 381 AS7

Chemical analysis, Chromatography, Herbicide residues, Soils, Vernolate.

A gas-liquid chromatographic system using flame photometric detection was developed for the separation and measurement of residue quantities of vernolate and 1-propanethiol in soil. With 3 per cent Apiezon L on Chromosorb G column, the limit of detection was 0.003 mg for either compound.

MODIFICATIONS OF THE MICROMETHOD OF SAMPLE CLEANUP FOR THIN-LAYER AND GAS CHROMATOGRAPHIC SEPARA- TION AND DETERMINATION OF COMMON ORGANIC PESTICIDE RESIDUES.

A M Kadoum

Bull Environ Contamination Toxicol 3(6,NOV-DEC):354-359

Dec 1968 RA1270.P35A1

Chemistry, Chromatography, Methodology, Organic compounds, Pesticide residues.

ACTIVATION AND STANDARDIZATION OF PURIFIED SILICA GEL FOR COLUMN CHROMATOGRAPHIC CLEANUP OF PESTICIDE RESIDUE EXTRACTS.

A M Kadoum

Bull Environ Contamination Toxicol 4(2,MAR-APR):120-127

Apr 1969 RA1270.P35A1

Chemical analysis, Chromatography, Methodology, Pesticide residues, Silica gels.

10415-69

SURVIVAL OF LYOPHILIZED BACILLUS POPILLIAE IN SOIL.

A J Lingg K J McMahon

Appl Microbiol 17(5):718-720 REF

May 1969 448.3 AP5

Bacillus popilliae, Humidity, Longevity, Lyophilization, Soil microorganisms.

ANALYSIS OF GRAINS FOR MULTIPLE RESIDUES OF ORGANIC FUMIGANTS.

B Malone

Ass Offic Anal Chem J 52(4):800-805 REF Jul 1969 381 AS7

Chemical analysis, Distillation, Fumigants, Grain, Methodology, Methyl bromide, Pesticide residues.

NOTICE OF FILING OF PETITION FOR FOOD ADDITIVES.

M McCart

Fed Regist 34(94):7826-7827

16 May 1969 L1.451

Bagasse, Dimethyl-3-(alpha,alpha,alpha-trifluorom-tolyl)urca, 1,1-, Food additives, Herbicide residues, Tolerances.

METHODS OF DETERMINING PESTICIDES IN FOOD PRODUCTS. (JPRS 34,946).

A A Pokrovskiy et. al.

07 Apr 1966 TRANSI., 15920

Food, Methodology, Organic compounds, Organophosphorus compounds, Pesticide residues. Translation from Metody Opredeleniya Pestitsidov v Dishchevykh Produktakh, page 2, 1967.

10419-69

PEACOCK PLASMA, A USEFUL CHOLINESTERASE SOURCE FOR INHIBITION RESIDUE ANALYSIS OF INSECTICIDAL CAR-BAMATES.

G Voss

Bull Environ Contamination Toxicol 3(6,NOV-DEC):339-347

Dec 1968 RA1270.P35A1

Birds, Blood plasma, Carbamates, Chemical analy-Cholinesterases, Insecticide residues, Methodology.

TRAPPING OF DIELDRIN LOST FROM AQUE-OUS ALGAE CULTURES.

W B Wheeler

Ass Offic Anal Chem J 52(4):760-764 Jul 1969 381 AS7

Algae, Chemical analysis, Chemistry, Chromatography, Dieldrin, Distillation, Insecticide residues.

10421-69

EXTRACTION, SEPARATION, AND GLC DE-TECTION OF SILVEX AND ITS PROPYLENE GLYCOL ETHER ESTER IN FISH TISSUE.

P W Williams J I Teasley

Ass Offic Anal Chem J 52(4):782-785 REF

Jul 1969 381 AS7

Animal extracts, Chemical analysis, Chemistry, Fish, Quantitative analysis, Silvex.

TOXICOLOGY

10422-69

BIODEGRADATION OF PESTICIDES.

M Alexander

Amer Soc Agron ASA Spec Publ 8:78-84

Nov 1966 64.9 AM3

Biodegradation, Enzymes, Metabolism, Microorganisms, Pesticides, Toxicology.

ENDRIN INDUCED ALTERATIONS IN BOUND CARBOHYDRATES IN RAT SERUM.

R L Coleman

Ball Environ Contamination Toxicol 3(6,NOV-DEC):348-351

Dec 1968 RA1270.P35A1

Animal physiology, Blood serum, Carbohydrates, Endrin, Glycoproteins, Pesticides, Rats, Toxicology.

10424-69

SPECIFICITY AND MECHANISM IN THE ACTION OF SALIGENIN CYCLIC PHOSPHORUS ESTERS.

M Fto

Residue Rev 25:187-200 REF

1969 389.9 R314

Biochemistry, Insects, Organophosphorus compounds, Physiology, Toxicity.

DEGRADATION AND DISAPPEARANCE OF ORTHO, PARA ISOMER OF TECHNICAL DDT IN LIVING AND DEAD AVIAN TISSUES.

M C French D J Jefferies

Science 165(3896):914-916 REF

29 Aug 1969 470 SC12

Animal metaholism, Birds, DDT, Insecticides, Isomers, Toxicology.

10426-69

THE IN VITRO METABOLISM OF OR-GANOPHOSPHORUS INSECTICIDES BY TIS-SUE HOMOGENATES FROM MAMMAL AND INSECT.

K Fukunaga J I Fukami T Shishido

Residue Rev 25:223-249 REF

1969 389.9 R314

Animal metabolism, Degradation, Insect metabolism, Organophosphorus compounds, Tissue culture, Tissue extracts.

STRUCTURE OF PESTICIDES AND DECOMPOSITION BY SOIL MICROORGANISMS.

D D Kaufman

Amer Sac Agron ASA Spec Publ 8:85-94 REF Nov 1966 64.9 AM3

Chemical structure, Chlorinated hydrocarbons, Decomposition, Pesticide residues, Soil microorganisms, Soils.

RESEARCHES ON GALEGA SPECIES RE-GARDING THEIR CONTENT OF TOXINS BY MEANS OF BIOLOGICAL METHODS, 1, TOX-ICITY OF GOATS-RUE (GALEGA OF-FICINALIS L.) FOR WARMBLOODED ANIMALS, (GE

H. Kohler

Biol Zentralbl 88(2, MAR-APR):165-177 REF Apr 1969 442.8 B523

Mice, Plant extracts, Poisonous plants, Toxins. English abstract.

10429-69

DELAYED LETHAL EFFECT DICHLOROPHENOXYACETIC ACID ON BAC-

C A Lamartiniere L T Hart A D Larson

10430-69

Bull Environ Contamination Toxicol 4(2,MAR-APR):113-119

Apr 1969 RA1270.P35A1

Aerobaeter aerogenes, D, 2,4-, Enzymes, Herbieides, Inhibitors, Micrococcaecae, Pseudomonas fluorescens, Staphylococcus aureus, Toxicology.

10430-69

THE DIFFERENCE IN SENSITIVITY TO THE STERILIZING ACTION OF O,O-DIETHYL-O-PARANITROPHIENYL THIOPHOSPHATE OF THE EMBRYONIC TESTICLES OF QUAILS AND CHICKENS IN IN VITRO CULTURE. (FR)

Y Lutz-Ostertag R Meiniel

Paris Soc Biol Compt Rend 162(8-9):1471-1472

03 Mar 1969 442.9 P21

Animal physiology, Chickens, Parathion, Quail, Testes, Tissue culture.

PLANT PHYSIOLOGY & BIOCHEMISTRY

10431-69

CELL PHYSIOLOGY INVESTIGATIONS OF THE ACTION OF NEW TRIAZINE DERIVI-TIVES ON PETIOLE EPIDERMIS OF SOLANUM TUBEROSUM L. (GE

S Auerhach P Pruefer G Weise Biol Zentralbl 87(4):425-438, REF

Jul 1968 442.8 B523

Cells, Epithelium, Herbicides, Leaves, Plant physiology, Potatoes, Triazines. English summary. Leaf-stalk epidermis used.

10432-69

PHYSIOLOGICAL AND BIOCHEMICAL CONTRIBUTION TO FUME DAMAGE RESEARCH, 8. PHYSIOLOGICAL INVESTIGATIONS OF THE ACTION OF SO2 ON THE METABOLISM OF CONIFER NEEDLES IN WINTER. (GE)

S Boertitz

Biol Zentralbl 87(4):489-506, REF

Jul 1968 442.8 B523

Air pollution, Coniferae, Environment, Picea abies, Picea omorika, Pine needles, Pinus sylvestris, Plant biochemistry, Plant hardiness, Plant injuries, Plant metaholism, Plant physiology, Sulfur dioxide. English and German summaries.

10433-69

DISCOVERY OF SINIGRIN AS A PHAGOSTIN-MULANT BY ATHALIA PROXIMA KLUG. (HYMENOPTERA: TENTHREDINIDAE).

J K Bogawat B K Srivastava Indian J Entomol 30(1):89 Mar 1968 420 IN23

Athalia proxima, Glyeosides, Plant biochemistry, Sinigrin, Tenthredinidae.

10434-69

INFLUENCE OF ATRAZINE (2-CHLORO-4-ETHYLAMINO-6-ISOPROPYLAMINO-5-TRIAZINE) ON AUXIN METABOLISM OF PLANTS.

E Ebert Ch J V Assehe

Experientia 25(7):758-759 REF

15 Jul 1969 475 EX7

Atrazine, Herbieides, Plant biochemistry, Plant hormones, Plant metabolism, Plant physiology.

10435-69

VARIATIONS OF THE CULTURE OF FUSARI-UM MONILIFORME INDUCED BY N-NITROSOETHYLUREA AND ETHYL METHANESULFONATE. (RUS)

L 1 Erokhina

Genetika 4(11):101-110 REF

1968 QH431.A1G4

Ethyl methanesulfonate, Fungus eultures, Fusarium moniliforme, Gibberellins, Plant geneties, Urea compounds. English summary.

10436-69

PLANT GROWTH REGULATORS.

D C Erwin

World Rev Pest Contr 8(1,SPRING):5

1969 79.8 W89

Bibliography, Literature, Plant growth regulator.

0437-69

THE CORRELATION BETWEEN PHYSIOLOGICAL ACTIVITY AND PHYSIOCOCHEMICAL PROPERTY OF THE SUBSTITUTED PHENOLS.

T Fujita M Nakajima

Residue Rev 25:319-326 REF

1969 389.9 R314

Chemical activation, Chemical structure, Mathematical analysis, Phenols, Phytotoxicity, Plant biochemistry.

10438-69

EFFECT OF DICHLORO DIPHENYL TRICHLORO-ETHANE (DDT) ON LEGHEMOGLOBIN CONTENT OF ROOT NODULES OF PHASEOLUS AUREUS (GREEN GRAM).

A C Gaur R P Pareck Experientia 25(7):777

15 Jul 1969 475 EX7

DDT, Hemoglobin (plants), Insecticides, Mung beans, Plant biochemistry, Plant physiology, Roots, Toxicology.

10439-69

CYTOKININS AND TRANSFER RIBONUCLEIC ACIDS. II. PRESENCE OF CYTOKININS IN DIFFERENT AMINO-ACID SPECIFIC TRANSFER RIBONUCLEIC ACIDS OF BREWER'S YEAST AS REVEALED BY THE GROWTH RESPONSE OF TOBACCO-PITH CALLUS TISSUE AND SCORZONERA CROWNGALL TISSUE.

M Giannattasio G Jeannin A Kovoor

Physiol Plant 22(3):458-461

05 Jun 1969 450 P564 (1)

Cytokinins, Plant biochemistry, Ribonucleic acid, Scorzonera, Tissue culture, Tobacco, Yeasts.

10440-69

COMPETITION BETWEEN FLAX AND WILD BUCKWHEAT.

R D Gruenhagen J D Nalewaja Weed Sci 17(3):380-384 REF

Jul 1969 79.8 W41

Competition, Flax, Light, Plant ecology, Polygonum convolvulus, Population, Water, Weeds.

10441-69

VOLATILE METABOLITES FROM DIMETHYLDITHIOCARBAMATE FUNGICIDE RESIDUES.

J W Hylin B H Chin

Bull Environ Contamination Toxicol 3(6,NOV-DEC):322-332 REF

Dec 1968 RA1270.P35A1

Chemistry, Ferbam, Fungicides, Papayas, Pesticide residues, Plant metabolism, Radioactive tracers, Volatile substances.

10442-69

PROGRESS REPORT ON SHADE TREE INHIBITION. (ABSTRACT).

R R Johnson P E Spangler J E Esposito Northeast Weed Contr Conf Proc 22:512 03 Jan 1968 79.9 N814

Plant growth inhibitors, Pruning, Shade trees.

10443-69

ON THE INHIBITORY EFFECT OF YEAST RIBONUCLEIC ACID ON THE INFECTION OF NICOTIANA GLUTINOSA BY TOBACCO MOSAIC VIRUS.

M Meneghini M R Musumeei W B C Moraes Sao Panto Inst Biol Arq 36(1 JAN-MAR):5-7 Mar 1969 442.9 SA6

Nicotiana glutinosa, Plant physiology, Ribonueleie acid, Tobacco mosaic virus, Yeasts.

10444-69

THE MODE OF ACTION OF MALEIC HYDRA-ZIDE: INHIBITION OF GROWTH.

L D Nooden

Physiol Plant 22(2):260-270 REF

04 Apr 1969 450 P564 (1)

Corn, Maleie hydrazide, Mitosis, Plant biochemistry, Plant growth inhibitors.

10445-69

PESTICIDE EFFECT ON PHOSPHORUS AB-SORPTION FROM FERTILIZER-PESTICIDE MIXTURE APPLIED TO A TROPICAL SOIL WITH LOW AVAILABLE PHOSPHORUS VALUE.

C S Ofori

Ghana J Agr Sci 1(2):99-102

1968 S19.G5

Absorption, Aldrin, Chlorinated hydrocarbons, Corn, Dieldrin, Fertilizers, Pesticides, Phosphorus, Plant biochemistry, Soil properties, Tropical agriculture. French summary.

10446-69

BIOCHEMICAL STUDIES ON THE TERPENE METABOLISM IN SWEET POTATO ROOT TISSUE WITH BLACK ROT. EFFECT OF CIOAND CIS-TERPENOLS ON ACETATE-2-14C INCORPORATION INTO IPOMEAMARONE.

I Oguni K Oshima H Imaseki I Uritani

Agr Biol Chem 33(1):50-62

Jan 1969 385 AG8B

Ceratocystis fimbriata, Farnesol, Geraniol, Metabolism, Sweetpotatoes.

10447-69

COLCHICINE-INDUCED TETRAPLOID AZALEAS.

R L Pryor L C Frazier

Hortscience 3(4, WINTER):283-286

1968 SB1.H6

Azalea, Chromosomes, Colehicine, Crop varieties, Plant abnormalities, Polyploidy.

0448-69

A SURVEY OF THE CHEMICAL COMPOSITION OF POTAMDGETON AND MYRIOPHYLLUM IN NEW JERSEY.

D N Riemer S J Toth

Weed Sci 17(2):219-223

Apr 1969 79.8 W41

Aquatic plants, Chemical analysis, Myriophyllum, Plant biochemistry, Potamogeton, Surveys, Weeds.

1449-69

DEGRADATION OF P32-BROMOPHOS BY MICROORGANISMS AND SEEDLINGS.

J Stenersen

Bull Environ Contamination Toxicol 4(2,MAR-APR):104-112

Apr 1969 RA1270.P35A1

Bromophos, Degradation, Insecticides, Microbiological degradation, Plant metabolism, Radioactive tracers, Seedlings.

10450-69

THE EFFECT OF N-DIMETHYL AMINO SUC-CINAMIC ACID (ALAR) ON SIZE, SHAPE AND MATURITY OF DELICIOUS APPLES.

D T Sullivan

Hortscience 3(1,SPRING):18

1968 SB1.H6

Apples, Crop yields, Plant growth inhibitors, Spraying, Succinic acid, 2,2-dimethylhydrazide.

10451-69

PHOTOCONTROL OF ROUGH CINQUEFOIL SEED GERMINATION AND ITS ENHANCEMENT BY TEMPERATURE MANIPULATION AND KNO3.

R. B. Taylorson

Weed Sci 17(2):144-148 REF

Apr 1969 79.8 W41

Light, Plant physiology, Potassium nitrate, Potentilla, Seed germination, Temperature.

10452-69

REVERSION OF SENESCENCE: EFFECTS OF 2,4-DICHLOROPHENOXYACETIC ACID AND INDOLEACETIC ACID ON RESPIRATION, ETHYLENE PRODUCTION, AND RIPENING OF BANANA FRUIT SLICES.

M Vendrell

Australian J Biol Sci 22(3):601-610 REF

Jun 1969 442.8 AU72

Aging, Bananas, D, 2,4-, Ethylene, Indoleacetic acid, Plant physiology, Plant respiration.

EFFECTS OF GIBBERELLIN A3 ON FRUIT SHAPE AND SUBSEQUENT SEED DORMANCY OF APPLE.

M N Westwood H O Bjornstad Hortscience 3(1, SPRING):19-20

1968 SB1.H6

Apples, Gibherellic acid, Plant physiology, Plant regulators, Seed dormancy.

DISTRIBUTION OF MISEROTOXIN IN VARIE-TIES OF ASTRAGALUS MISER DOUGL. EX ПООК

M C Williams F A Norris Weed Sci 17(2):236-238

Apr 1969 79.8 W41

Astragalus miser, Chemical analysis, Plant physiology, Poisonous plants, Poisons.

10455-69

EFFECTS OF AMMONIUM THIOCYANATE ON CARBOHYDRATE METABOLISM IN THE COTTON PLANT.

Y F Wu E Basler

Weed Sci 17(3):362-365 REF

Jul 1969 79.8 W41

Ammonium thiocyanate, Cotton, Hill reaction, Photosynthesis, Plant metaholism.

CHEMISTRY

10456-69

SPRAY GEL AGENT SOLVES DRIFT PROBLEM.

Anonymous

Farm Chem 131(7):34

Jul 1968 57.8 AM3

Dacagin, Herhicides, Pesticide application, Spraying.

10457-69

GAS CHROMATOGRAPHIC DETERMINATION OF ETHYL O,O-DIMETHYL-DITHIOPHOSPHORYL-1-PHENYL ACETATE IN TECHNICAL GRADE CIDIAL AND ITS 50 PERCENT LIQUID FORMULATION.

B Bazzi L Abbruzzese G Galluzzi

Ass Offic Anal Chem J 52(1):52-55

Jan 1969 381 AS7

Chemical analysis, Chromatography, Ethyl O,Odimethyldithiophosphoryl-1-phenyl acetate, Formulations, Insecticides, Phenthoate.

10458-69

GAS CHROMATOGRAPHIC CHARACTERISTICS OF CILLORDANE. I. EFFECT OF AN AQUEOUS ENVIRONMENT ON THE HEP-TACHLOR COMPONENT.

A Bevenue C Y Yeo

Bull Environ Contamination Toxicol 4(2,MAR-APR):68-76 REF

Apr 1969 RA1270.P35A1 Chemical analysis, Chlordane, Chlorinated hydrocarbons, Chromatography, Heptachlor, Insecticides, Water.

10459.69

RELEASE RATES AND HERBICIDAL ACTIVI-TY OF SLOW RELEASE GRANULAR FORMU-LATIONS. (ABSTRACT).

S R Colby D Hawes

Northeast Weed Contr Conf Proc 22:498

03 Jan 1968 79.9 N814

Amiben, Formulations, Herbicides, Isopropyl N-(3-chlorophenyl)carbamate, Linuron, Vernolate.

10460-69

N-(SUBSTITUTED-BENZOYL) AMINOACETO-AND AMINOPROPIONITRILES. PATENT 3,457,294.

A J Crovetti M V Neundorf

Us Patent Office Offic Gaz 864(4):1312 22 Jul 1969 156.65 OF2

Bactericides, Fungicides, Nitriles, Patents.

10461-69

THIN LAYER DENSITOMETRIC DETERMINA-TION OF ROTENONE AND DEGUELIN.

N E Delfel W H Tallent

Ass Offic Anal Chem J 52(1):182-187 REF Jan 1969 381 AS7

Chemical analysis, Chromatography, Deguelin, Insecticides, Lonchocarpus, Rotenone, Tephrosia vogelii.

10462-69

PHYSICO-CHEMICAL AND BIOPHYSICAL FACTORS AFFECTING THE ACTIVITY OF PESTICIDES.

D C Erwin

World Rev Pest Contr 8(1,SPRING):4-5

1969 79.8 W89

Biophysics, Penetration, Pesticides, Physical chemistry, Toxicology.

10463-69

CHEMISTRY OF INSECTICIDES.

E E Fleck

Amer Soc Agron ASA Spec Publ 8:18-24 REF

Nov 1966 64.9 AM3

Carhamates, Chemical reactions, Chlorinated Decomposition, hydrocarbons. Insecticide residues, Insecticides, Organophosphorus compounds, Pyrethrum, Rotenone.

CHEMISTRY OF HERBICIDES.

V H Freed

Amer Soc Agron ASA Spec Publ 8:25-43 REF Nov 1966 64.9 AM3

Adsorption, Carbamates, Chemical reactions, Herbicides, Soils, Urea compounds.

DEGRADATION AND ANTICARBOX-YLESTERASE ACTIVITY OF DISULFOTON AND PHORATE AFTER 60CO GAMMA IR-DEGRADATION RADIATION.

D I. Grant C R Sherwood K A McCully Ass Offic Anal Chem J 52(4):805-811 REF Jul 1969 381 AS7

Carboxylesterase, Disulfoton, Insecticide decomposition, Insecticides, Organophosphorus compounds, Phorate, Radiation.

INSECTICIDES, HOW TO USE THEM SAFELY AND EFFECTIVELY.

P C Hely J G Gellatley

New S Wales Dep Agr Entomal Br Bull 62(ED) 2):40P

1966 23 N47BS

Accident prevention, Carbamates, Chlorinated hydrocarbons, Insecticides, Organophosphorus compounds, Spraying, Toxicity.

EXTRACTION AND GAS-LIQUID CHROMATO-GRAPHIC DETERMINATION OF VERNOLATE IN SOIL.

H P Hermanson M Siewierski K Helrich Ass Offic Anal Chem J 52(1):175-177

Jan 1969 381 AS7

Chromatography, Pesticide analysis, Pesticide residues, Propanethiol, I-, Soils, Vernolate.

REACTIONS OF PESTICIDES IN SOILS.

P C Kearney C S Helling

Residue Rev 25:25-44 REF 1969 389.9 R314

Biochemistry, Chemical structure, Pesticide residues, Pesticides, Soils.

REVIEW OF METHODS FOR MERCURY IN PESTICIDE FORMULATIONS.

Ass Offic Anal Cliem J 52(4):764-767 REF

Jul 1969 381 AS7

Chemical analysis, Chemistry, Mercury, Methodology, Pesticides.

10470-69

COMPARISON OF TEN METHODS FOR THE ANALYSIS OF MILK FOR RESIDUES OF CHLORINATED PESTICIDES.

J H Lawrence J A Burke

Ass Offic Anal Chem J 52(4):817-824 REF

Jul 1969 381 AS7

Chemical analysis, Chlorinated hydrocarbons, Heptachlor, Insecticide residues, Insecticides, Methodology, Milk, TDE.

10471-69

RAPID METHOD FOR THE EXTRACTION, CLEANUP, AND GLC DETERMINATION OF TOXIC RESIDUES OF TEMIK.

J C Maitlen L M McDonough M Beroza Ass Offic Anal Chem J 52(4):786-789

Jul 1969 381 AS7

Carbamates, Chromatography, Extraction, Insecticide residues, Insecticides, Methodology, Quantitative analysis, Temik.

10472-69

COLLABORATIVE, STUDY OF THE SWEEP CO-DISTILLATION CLEANUP FOR CIILORINATED PESTICIDE RESIDUES IN EDI-BLE FATS AND OILS.

B Malone J A Burke

Ass Offic Anal Client J 52(4):790-797

Jul 1969 381 AS7

Animal extracts, Chemical analysis, Chlorinated hydrocarbons, Distillation, DDT, Fats, Insecticide residues, Methodology.

10473-69

OF MULTIPLE ANALYSIS PESTICIDE RESIDUES--CHEMICAL IDENTITY AND CON-FIRMATION OF RESULTS.

K A McCully

World Rev Pest Contr 8(1,SPRING):59-74 REF 1969 79.8 W89

Chemical analysis, Chromatography, Methodology, Pesticide residues, Spectrometry.

10474-69

THE INSECTICIDES; CHEMISTRY, MODE OF ACTION, AND TOXICITY. (GE

W Perkow

Heidelberg, Huethig 565 P 1968 SB951.P44

Biochemistry, Chemistry, Insecticides, Toxicology.

ACETONITRILE EXTRACTION AND DETERMINATION OF CARBARYL IN FRUITS AND VEGETABLES.

M L Porter R J Gajan J A Burke

Ass Offic Anal Chem J 52(1):177-181

Jan 1969 381 AS7

Carbaryl, Chromatography, Extraction, Fruit, Pesticide analysis, Pesticide residues, Spectrophotometry, Vegetables.

10476-69

CHEMISTRY OF FUNGICIDES.

Amer Soc Agron ASA Spec Publ 8:44-48

Nov 1966 64.9 AM3

Alternaria, Captan, Carbamates, Chemical control (plant diseases), Chloranil, Dichloro-6-(ochloroanilino)-s-triazine, Dimethylamino)benzenediazo sodium sulfonate, p-(, Fungicides, Maleic hydrazide, F tachloronitrobenzene, Simazine, Sodium methyldithiocarbamate.

10477-69

ATRAZINE DEGRADATION IN TWO SOIL PROFILES.

F W Roeth T L Lavy O C Burnside

Weed Sci 17(2):202-205 REF

Apr 1969 79.8 W41

Atrazine, Carbon-14, Degradation, Herbicides, Soil profiles.

10478-69

10478-69

CONVERSION OF HEPTACHLOR TO ITS EPOXIDE.

J Singh

Bull Environ Contamination Toxicol 4(2,MAR-APR):77-79

Apr 1969 RA1270.P35A1

Chlorinated hydrocarbons, Heptachlor, Heptachlor epoxide, Oxidation, Synthesis.

10479-69

DISTRIBUTION RATIO OF SOME CHLORINATED HYDROCARBON INSECTICIDES BETWEEN HEXANE AND WATER.

S Voerman

Bull Environ Contamination Toxicol 4(2,MAR-APR):64-67

Apr 1969 RA1270.P35A1

Aldrin, Chemical analysis, Chlorinated hydrocarbons, Dieldrin, DDT, Heptachlor, Heptachlor epoxide, Hexanc, Insecticides, Lindane, Solubility, Water.

10480-69

EVALUATION OF EXTRACTION AND CLEANUP METHODS FOR ANALYSIS OF DDT AND DDE IN GREEN ALFALFA.

G W Ware M K Dee

Bull Environ Contamination Toxicol 3(6,NOV-DEC):375-382

Dec 1968 RA1270.P35A1

Alfalfa, Chemical analysis, Chlorinated hydrocarbons, Chromatography, Dichloro-2,2-bis(p-chlorophenyl) ethylene, 1,1-, DDT, Electron capture, Extraction techniques, Insecticide residues, Insecticides.

10481-69

REACTION OF AFLATOXIN BI WITH ACETIC ACID-THIONYL CHLORIDE.

M Wilcy A C Waiss N Bennett Ass Offic Anal Chem J 52(1):75-76

Acetyl-2-hydro-6-methoxydifurocoumarone, 1-, Aflatoxin, Chemical analysis, Isomers.

10482-69

NOTE ON VERSATILITY OF SILICONE DOW CORNING 11 SUBSTRATE FOR GAS CHROMATOGRAPHY OF PESTICIDES.

F C Wright J C Riner

Ass Offic Anal Chem J 52(4):879

Jul 1969 381 AS7

Jan 1969 381 AS7

Chlorinated hydrocarbons, Chromatography, Methodology, Organophosphorus compounds, Pesticides.

ENGINEERING

10483.69

AN EVALUATION OF HERBICIDE INCORPORATION EQUIPMENT,

I. E Bodc K H Read M R Gebhardt C L Day Mo Agr Exp Sta Res Bull (946):42P REF Feb 1969 100 M693 (3)

Dairy equipment, Herbicide application, Herbicides, Trifluralin.

10484-69

AN EVALUATION OF HERBICIDE INCORPORATION EQUIPMENT.

L E Bode K H Read M R Gebhardt C L Day Mo Agr Exp Sta Res Bull 946:42P Feb 1969 100 M693 (3)

Agricultural engineering, Chemical control (weeds), Chromatography, Dairy equipment, Herbicides, Pesticide application, Trifluralin, Weed control.

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ECONOMICS

10485-69
GROWING CHRISTMAS TREES ON A POWER LINE RIGHT-OF-WAY.
W P MacConnell J J Joslyn
Northeast Weed Contr Conf Proc 22:329-333
03 Jan 1968 79.9 N814
Brush control, Christmas trees, Costs, T, 2,4,5-.

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10486-69 RESEARCH AND EDUCATION NEEDS IN THE USE OF PESTICIDES.

W C Shaw

Amer Soc Agron ASA Spec Publ 8:1-9 Nov 1966 64.9 AM3 Education, Pest control, Pesticides, Research.

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| Chemistry of insecticides. 10463 | A study of a pocket of scattered desert locust population in Rajasthan, India during 1966 with | Treatment of mustard and radish seeds for the control of mustard sawfly, Athalia proxima Klug. |
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| Ruhbervine (Cryptostegia grandiflora) toxicity for ruminants. | Meteorological aspects of insect migrations. | Selective grass control with siduron. |
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| SEEDLING BLIGHT | (Scarabacidae: Colcoptera). | foods. |
| Mereury-resistant Pyrenophora avenae in New | 10030 | 10127 |
| Zealand seed oats: a comparison of six different | SEX BEHAVIOR | A comparison of malathion, diazinon, fenitrothion and dichlorvos for control of |
| compounds as seed disinfectants. | Biology of the billbug Sphenophorus venatus confluens, a new pest of orchardgrass. | Sitophilus oryzae (L.) and Rhyzopertha |
| 10223 | 10047 | dominica (F.) in wheat. |
| SEEDLINGS | The predatory and reproductive behaviour of | 10237 |
| Mercury-resistant Pyrenophora avenae in New Zealand seed oats: a comparison of six different | Rhinocoris bicolor and R. tropicus (Hemiptera: | Studies on insect damage and germination of |
| compounds as seed disinfectants. | Reduviidae). | seeds. III. Germination of wheat jowar and maize |
| 10223 | 10085 | seeds damaged by the developing grubs of |
| Comparison of mycelial and Sclerotial inoculum | Damage to testes and recovery of fertility in boll | Sitophilus oryzae L. and Rhizopertha dominica F |
| of Macrophomina phaseoli in the mortality of | weevils fed chemosterilants. 10100 | 10270 |
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| 10225 | Progress report on shade tree inhibition, (ab- | Fungicidal control of smut diseases of cereals. |
| Effects of chlorpropham vapors on dodder | stract). | 10207 |
| seedlings. | 10442 | Seed treatment trial, 1967. |
| | SHEEP | 10229 |
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| SENSE ORGANS Locust wind receptors. I. Transducer mechanics | 10367 | 10322 |
| and sensory response. | SIALIDAE | SODIUM CIILORATE |
| 9981 | Life history and habits of Sialis rotunda and S. | Control of johnsongrass on drainage ditchbanks |
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| 9983 | Activation and standardization of purified silica | BISULFITE |
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