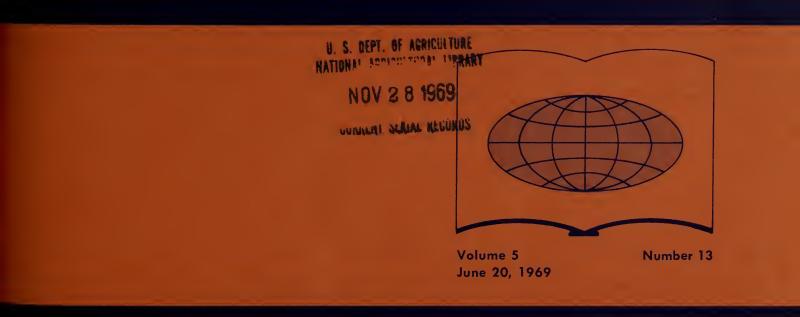


Pesticides Documentation Bulletin





U.S. DEPARTMENT OF AGRICULTURE

PESTICIDES DOCUMENTATION BULLETIN

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

OBJECTIVES AND SCOPE

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

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

FORMAT

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

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

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Compound Tested
Company furnishing the compound
Author or Investigator
Test Sponsor
Date
Location
Mode of Application
Rates of Application
Soil Types
Carriers
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ACKNOWLEDGMENT

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

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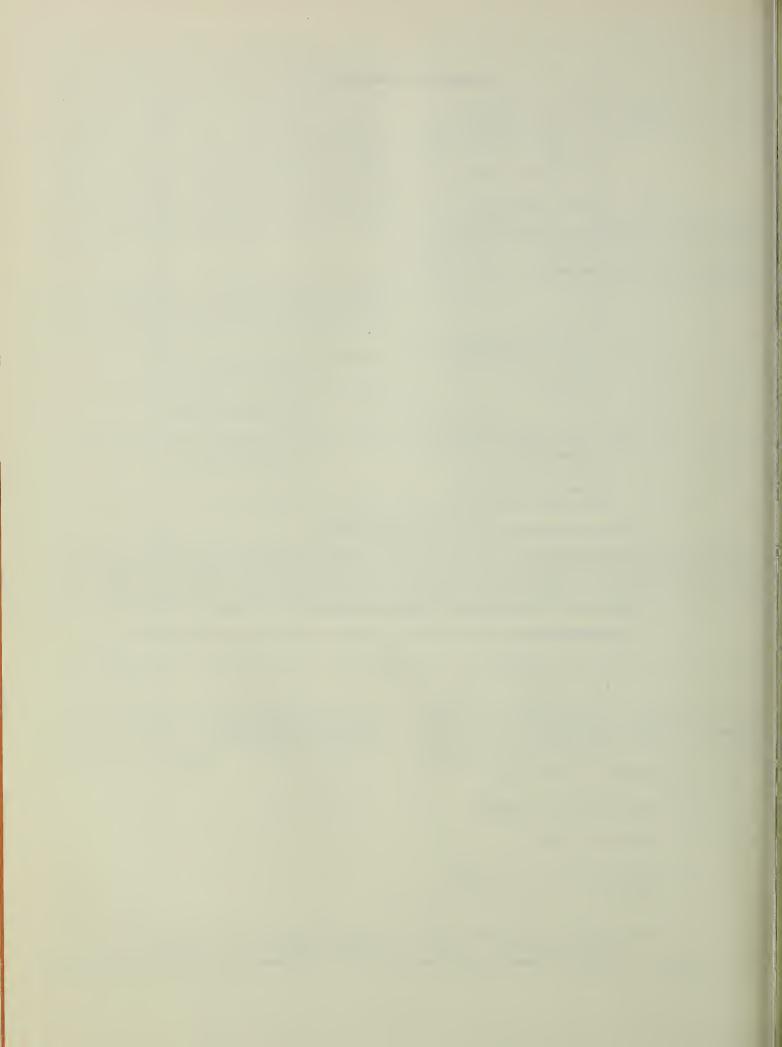
CAUTION: Pesticides can be injurious to humans, domestic animals, desirable plants, and fish or other wildlife—if they are not handled or applied properly. Use all pesticides selectively and carefully. Follow recommended practices for the disposal of surplus pesticides and pesticide containers.

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Beitr Entomol 17(3-4):537-546

1967 421 B392

Insect taxonomy, Meloidae, Surveys, Zoogeography. English and Russian abstracts.

ON THE SALDIDAE TYPES IN THE PROVANCHER COLLECTION, AND A NEW NAME FOR SALDA CORIACEA UHLER (HETEROPTERA).

L A Kelton J D Lattin

Natur Can 95(3, MAY-JUN):661-666 REF

Jun 1968 410 N216

Insect taxonomy, Saldidae.

7486-69

THE SPHINGID GENUS SPHINX LINNE (LEP., SPHINGIDAE). (GE)

K Kernbach

Deut Entomol Z 16(1-3):91-114 REF

01 May 1969 421 D48

Insect taxonomy, Sphingidae, Surveys, Zoogeog-

7487-69

THE PRIMARY TYPES OF THE AUSTRALIAN PYRGOMORPHIDAE (ORTHOPTERA: ACRIDOIEA). (0)

K H L Key

Australian J Zool 17(2):353-414 REF

Jun 1969 410 AU73

Insect taxonomy, Orthoptera, Pyrgomorphidae.

THE COPULATORY COMPLEX OF SOME SPE-CIES OF TRAMEA HAGEN (LIBELLULIDAE: ODONTA) AND ITS TAXONOMIC IMPORTANCE.

B A Khan

Zool Anz 181(5-6,NOV-DEC):403-410

Dec 1968 410 Z7

Insect taxonomy, Odonata, Reproductive organs.

ON SEVERAL AUSTRALIAN NOTODONTIDAE (LEPIDOPTERA: NOTODONTOIDEA). (FR)

S G Kiriakoff

Natur Can 95(3,MAY-JUN):667-672

Jun 1968 410 N216

Insect taxonomy, Notodontidae. English abstract.

CONTRIBUTION TO THE REVISION OF THE GENUS ORTHOSTIGMA (HYMENOPTERA, BRACONIDAE). (GE)

E Konigsmann

Deut Entomol Z 16(1-3):1-53 REF

01 May 1969 421 D48

Braconidae, Insect identification, Insect taxonomy.

RESULTS OF THE ALBANIAN 1961 EXPEDITION OF THE GERMAN ENTOMOLOGICAL INSTITUTE. 62. CONTRIBUTION. BIBLIOGRAPHY OF THE ENTOMOLOGICAL INVESTIGATION OF ALBANIA. PART II. (GE)

E Konigsmann

Beitr Entomol 17(3-4):435-457

1967 421 B392

Bibliography, Insect taxonomy, Surveys. English and Russian abstracts.

A FIFTH SPECIES OF NITELA FROM NORTH AMERICA (HYMENOPTERA: SPHECIDAE).

K V Krombein

Natur Can 95(3,MAY-JUN):699-702

Jun 1968 410 N216

Insect taxonomy, Sphecidae, Zoogeography.

7493-69

CHIRONOMIDAE (DIPTERA) FROM THE HULA NATURE PRESERVE, ISRAEL.

J Kugler D Wool

Ann Zool Fenn 5(1):76-83 MAP REF

1968 410 AN712

Chironomidae, Seasonal variation, Zoogeography.

7494-69

NEW SYNONYMIES THE GENUS PROMECOPS SAHLBERG CURCULIONIDAE). (COLEOPTERA

G Kuschel

New Zealand J Sci 10(3):841-842

Sep 1967 514 N482

Curculionidae, Insect names, Insect taxonomy.

7495-69

ZYRUS FROM TANZANIA (EAST AFRICA) WITH DESCRIPTION OF A NEW SPECIES. MATERIAL OF THE ZOOLOGICAL COLLECTION OF THE BAVARIAN STATES, MUNICH (COLEOPTERA STAPHYLINIDAE).

H R Last

Opusc Zool (104):2P

15 Dec 1968 410 OP7

Insect taxonomy, Staphylinidae, Zoogeography.

A METHOD OF SELECTION OF CHARACTERS IN NUMERICAL TAXONOMY.

W J Le Quesne

Syst Zool 18(2):201-205

Jun 1969 410 SY8 Insect evolution, Insect taxonomy, Methodology, Statistical analysis.

A method of selecting from a data matrix the characters most likely to lead to valid phylogenetic conclusions is put forward, based on the concept of a uniquely derived character and its logical consequences. A coefficient of character-state ran-domness is defined which gives a measure of how far the distribution of character-states is random between the different characters.

POSITIVE PHOTOTAXIS OF CHIRONOMIDAE LARVULAE AS A FACTOR REGULATING THEIR DISTRIBUTION IN STAGNANT BODIES OF WATER. (GE)

J Lellak

Ann Zool Fenn 5(1):84-87 REF

1968 410 AN712

Chironomidae, Insect ecology, Insect taxonomy, Larvae, Phototropism, Plankton, Water.

A REVIEW OF OLD WORLD SPECIES OF THYREUS PANZER (0CROCISA JURINE) (HYM., APOIDEA, ANTHOPHORIDAE). PART 4. PALEARCTIC SPECIES.

M A Lieftinck

Leiden Rijksmus Natuur Hist Zool Verhandel

(98):3-139 20 Dec 1968 410.9 L59Z

Anthophorinae, Insect taxonomy, Reviews, Thyreus.

7499-69 TWO NEW ODONATA FROM SOUTHEAST ASIA, WITH COMMENTS ON PREVIOUSLY DESCRIBED SPECIES.

M A Lieftinck

Deut Entornol Z 16(1-3):205-215

01 May 1969 421 D48

Insect taxonomy, Odonata, Surveys.

7500-69

SAWFLY STUDIES (HYMENOPTERA. SYMPHYTA). (GER)

E Lindqvist

Notulae Entornol 49(1):38-48 REFS

1969 421 N84

Insect taxonomy, Symphyta, Zoogeography.

NEW AND LITTLE KNOWN PALEARCTIC SPECIES OF THE SCAPHOSOMA LEACH GENUS (COL., SCHPHIDIIDAE) (18. CONTRIBUTION TO THE KNOWLEDGE OF THE SCAPHIDIIDAE). (GE)

1 Lobl

Acta Ent Bohemoslov 64(2):105-111

1967 420 C33

Insect taxonomy, Scaphidiidae, Scaphosoma, Zoogeography. Czech abstract.

RESULTS OF THE ALBANIAN 1961 EXPEDI-TION OF THE GERMAN ENTOMOLOGICAL INSTITUTE. 63. CONTRIBUTION. DIPTERA: LIMONIIDAE. (GE)

B Mannheims

Beitr Entomol 17(3-4):459-476

1967 421 B392

Insect taxonomy, Limoniidae, Surveys. English and Russian abstracts.

MITES OF THE FAMILIES TENUIPALPIDAE AND TETRANYCHIDAE INTERCEPTED ENTERING NEW ZEALAND FROM OVERSEAS.

D C M Manson

New Zealand J Sci 10(3):664-674

Sep 1967 514 N482

Economics, Surveys, Tenuipalpidae, Tetranychidae, Zoogeography.

The species of mites and the hosts from which they have been recorded are given for the years 1958-66. The known host range, distribution, and econonic importance of most species is also stated, One new species, Eotetranychus queenslandicus, is described.

7504-69

THE SPIDER MITE FAMILY TETRANYCHIDAE IN NEW ZEALAND. IV TWO NEW SPECIES OF TETRANYCHUS AND A REVISED KEY TO THE GENUS.

D C M Manson

New Zealand J Sci 10(4):1083-1091

Dec 1967 514 N482

Insect taxonomy, Tetranychus,

Two new species of mites, Tetranychus elsae and T. eyrewellensis are described and figured. A key to all the species known from New Zealand is included.

7505-69

THREE SPECIES OF THE FAMILY NOCTUIDAE NEW FOR THE CSSR (LEPIDOP-TERA). (CZ)

J Marek J Stary

Acta Ent Bohemoslov 64(3):238-239 REF

1967 420 C33

Insect taxonomy, Noctuidae. English and German abstracts.

IMMATURE STAGES OF CURCULIONIDAE. 1. SOME GENERA IN THE TRIBE ARAUCARIINI (COSSONINAE).

B M May

New Zealand J Sci 10(3):644-660

Sep 1967 514 N482

Curculionidae, Insect biology, Insect taxonomy, Larvae, Pupae.

The larvae of five species of weevils involving the genera Araucarius Kuschel, Xenocnema Wollaston and Inosdmus Brown in the cossonine tribe Araucariini are described and a key is given for their separation. The pupae of two Araucarius species and of Xenocnema are described. Tribal characters are tentatively defined. The taxonomic significance of the morphology of the alimentary canal is discussed. The tribe Araucariini is considered, on larval characters, to occupy a position intermediate between Scolytinae and Curculioninae.

CONIOPTERYGIDAE FROM MONGOLIA (NEUROPTERA).

M Meinander

Notulae Entornol 49(1):7-10

1969 421 N84

Coniopterygidae, Insect taxonomy, Palearctic Region.

7508-69

PLECOPTERA FROM THE HAMBURG VICINI-TY (INSECTA-PLECOPTERA) (A CONTRIBU-

TION TO THE KNOWLEDGE OF THE PLECOPTERA FAUNA OF THE NORTH GER-MAN LOWLANDS. (GE)

H Mendl

Hamburg Zool Staatsinst Zool Mus Entomol Mitt 3(65):1-10 REF

30 Apr 1969 421 H17

Insect taxonomy, Plecoptera, Surveys.

EPILACHNA NIPONICA LEWIS. ON THE TYPE-SPECIMENS OF EPILACHNA NIPONICA LEWIS. (JA)

C Michio

Mikado Misc Entomol 1(7):51-58

03 Mar 1968 421 M582

Epilachna, Insect taxonomy, Zoogeography.

DIPTERA COLLECTIONS OF P. GABRIEL STROBL--I. (PREFACE AND SPECIMENS-PART I UP TO 1890). (GE)

G Morge

Beitr Entomol 17(1-2):151-224

1967 421 B392

Diptera, Insect taxonomy. English and Russian abstracts.

7511-69

DESCRIPTIONS OF MALES OF HAE-MATOPOTA SCUTELLATA INCLUDING DESCRIPTIONS OF THE HAEMATOPOTA MEIG. GENUS IN CZECHOSLOVAKIA (DIP-TERA, TABANIDAE). (GE)

J Moucha M Chvala

Acta Ent Bohemoslov 64(3):224-231 REF

1967 420 C33

Haematopota, Haematopota scutellata, Insect morphology, Insect taxonomy, Zoogeography. Czech abstract.

7512-69

SIBLING SPECIES OF PHYTOSEIIDAE (ACARINA: MESOSTIGMATA).

M H Muma H A Denmark

Fla Entomol 52(2):67-72

May 1969 420 F662

Insect ecology, Insect taxonomy, Phytoseiidae.

A NEW TAXON OF THE FAMILY HETERO-GYNIDAE LATREILLE (HYM., ACULEATA).

C G Nagy

Hamburg Zool Staatsinst Zool Mus Entomol Mitt 3(64):7-11 REF

30 Apr 1969 421 H17

Aculeata, Insect taxonomy.

THE NEW POLPOCHILA OF MEXICO AND (INSECTA, **BOLIVIA** COLEOPTERA, CARABIDAE). (SP)

1 Negre

Ciencia 25(3):91-94

15 Jan 1967 475 C48

Carabidae, Insect taxonomy. French abstract.

SUGGESTIONS CONCERNING THE TER-MINOLOGY OF THE GENITAL SHEATH OF THE LEPIDOPTERA. (FR)

E V Niculescu

Deut Entomol Z 16(1-3):153-158 REF

01 May 1969 421 D48

Insect morphology, Insect taxonomy, Lepidoptera, Nomenclature, Reproductive organs.

7516-69

RESULTS OF THE ALBANIAN 1961 EXPEDITION OF THE GERMAN ENTOMOLOGICAL INSTITUTE. 66. CONTRIBUTION. HYMENOPTERA: TIPHIIDAE. (GE)

J Oehlke

Beitr Entomol 17(3-4):517-524

1967 421 B392

Insect taxonomy, Surveys, Tiphiidae. English and Russian abstracts

7517-69

TABANUS SPODOPTEROIDES SP. N., A NEW HORSEFLY SPECIES FROM THE TABANUS BOVINUS GROUP. (GE)

N G Olsuf'ev J Moucha M Chvala

Angew Parasitol 10(1):37-39

Feb 1969 436.8 AN4

Insect taxonomy, Tabanus. English and Russian abstracts.

7518-69

A KEY TO THE ORTHOPTERAN LARVAE OF CENTRAL GERMANY. (GE)

N Oschmann

Deut Entomol Z 16(1-3):277-291 REF

01 May 1969 421 D48

Insect taxonomy, Larvae, Orthoptera.

7519-69

NEW CONTRIBUTIONS KNOWLEDGE OF THE APTERYGOTA COL-LECTION OF THE STATE ZOOLOGICAL IN-STITUTE AND THE ZOOLOGICAL MUSEUM OF HAMBURG. III MEINERTELLIDAE AND MACHILIDAE (THYSANURA). (GE)

Hamburg Zool Mus Inst Mitt 3(63):1-24

30 Jan 1969 410.9 H172

Insect taxonomy, Machilidae, Thysanura.

7520-69

STUDIES ON MEMBRACIDAE. IX. A NEW COSTA RICAN SPECIES OF THE GENUS SPHONGOPHORUS FAIRMAIRE (HEMIP-TERAHOMOPTERA). (SP)

D Pelaez

Ciencia 25(6):209-212 REF

15 Oct 1967 475 C48

Insect taxonomy, Membracidae. English abstract.

A NEW SPECIES OF CERCOTHRIPS HOOD FROM MADAGASCAR (THYSANOPTERA).

J Pelikan

Acta Ent Bohemoslov 64(5):364-370

1967 420 C33

Cercothrips priesneri, Insect taxonomy.

7522-69

THIRD CONTRIBUTION KNOWLEDGE OF THE GEOGRAPHICAL DISTRIBUTION OF THE TINEIDS ON THE IBERI-AN PENNINSULA (LEPIDOPTERA:TINEIDAE). (GE)

G Petersen

Beitr Entomol 17(3-4):357-361

1967 421 B392

Insect taxonomy, Tineidae, Zoogeography. English and Russian abstracts.

THE IDENTITY OF ANTHOMYIA MELANIA DUFOUR, 1839 (DIPTERA: FANNIDAE).

A C Pont

Beitr Entomol 17(3-4):325-328

1967 421 B392

Fannia ciliata, Insect taxonomy, Muscidae, Nomenclature.

NOTES ON THE MUSCIDAE OF NEW GUINEA (DIPTERA). iII. SPECIES DESCRIBED BY STEIN IN 1900, TERMESZETR. FUZ., VOLUME 23.

A C Pont

Deut Entomol Z 16(1-3):81-90 REF

01 May 1969 421 D48 Insect taxonomy, Muscidae, Surveys, Zoogeography.

7525-69

THE GEOGRAPHICAL DISTRIBUTION OF THE DERMAPTERA--A CASE FOR CONTINEN-TAL DRIFT.

E J Popham

Entomologist (london) 102(1272):121-124

May 1969 421 EN8

Dermaptera, Insect dissemination, Zoogeography.

7526-69

ON A NEW SPECIES OF PHILODICUS LOEW (ASILIDAE, DIPTERA) FROM INDIA.

K R Rao

Cur Sci. 38(8).196-197 20 Apr 1969 475 SCI23

Asilidae, Insect taxonomy, Zoogeography.

7527-69

DISTRIBUTION OF LAKE-DWELLING CHIRONOMIDAE (DIPTERA) IN THE ALPINE REGION. (GE)

F Reiss

Ann Zool Fenn 5(1):119-125 REF

1968 410 AN712

Chironomidae, Diptera, Insect ecology, Lakes, Tables (data), Zoogeography.

7528-69

ENTOMOLOGY AND PHILATELY (A CURIOUS NOMENCLATURE QUESTION). (GE)

H Reisser

Entomol Z 79(1-2):4-6,7 15 Jan 1969 421 EN85

Illustrations, Insect names, Insect taxonomy.

7529-69

A LIST OF NEW TAXA AND NEW SYNONYMS PUBLISHED IN THE ENTOMOGICAL REVIEW IN THE PEROID 1945-1967.

V A Rikhter

Entomol Rev 47(2,APR-JUN):222-260

Jun 1968 421 R322AE

Bibliography, Insect taxonomy, Nomenclature. Russian journal-Entomologicheskoye Obozreniye, p. 380-

7530-69

PHYCITINAE-STUDY V (LEPIDOPTERA PYRALIDAE). (GE)

U Roesler

Entomol Z 79(3):13-20,21-24

01 Feb 1969 421 EN85

Insect taxonomy, Phycítinae, Pyralidae, Zoogeography.

7531-69

THE MITES OF SUBFAMILY LABIDOPHORINAE ZACHVATKIN, 1941 (ACARINA, ACARINHE) FROM THE NESTS OF SMALL MAMMALS.

V Rupes

Cesk Spolecnosti Zool Vestnik 31(1):68-79 REF Feb 1967 410.9 C33

Insect ecology, Insect taxonomy, Mites, Surveys, Zoogeography.

7532-69

CONTRIBUTION TO THE KNOWLEDGE OF THE COLLEMBOLA OF CHINA. (GE)

J Rusek

Acta Ent Bohemoslov 64(3):184-194

1967 420 C33

Collembola, Insect taxonomy, Zoogeography. Czech abstract.

7533-69

A REVIEW OF THE GENUS JURINIOPSIS TOWNSEND (DIPTERA: TACHINIDAE).

C Sahrosky

Fla Entomol 55(2):79-90 REF

May 1969 420 F662

Insect taxonomy, Tachinidae.

7534-69

CONTRIBUTION TO THE ECOLOGY OF THE SCORPIONS (BOTHRIURIDAE). THE HABITAT OF THREE SPECIES OF BOTHRIURUS IN URUGUAY AND ITS APPLICATION IN SYSTEMATICS. (SR)

San Martin A De Gambrardella

Paris Mus Nat Hist Natur Bull 39(1,SER 2):188-196

21 Jul 1967 410.9 P213

Ecology, Habitats, Scorpionida, Taxonomy.

7535-69

PHYLOGENETIC STUDIES ON CHIRONOMIDAE (DIPT.), WITH SPECIAL REFERENCE TO THE CORYNONEURA GROUP.

D Schlee

Ann Zool Fenn 5(1):130-138 REF

1968 410 AN712

Chironomidae, Diptera, Insect genetics, Insect identification, Insect morphology, Insect taxonomy.

7536-69

SOME NEW OR LITTLE-KNOWN NEARCTIC TRICHOPTERA. (FR)

F Schmid

Natur Can 95(3,MAY-JUN):673-698 REF

Jun 1968 410 N216

Insect ecology, Insect taxonomy, Trichoptera, Zoogeography. English abstract.

7537-69

RESULTS OF THE ALBANIAN 1961 EXPEDITION OF THE GERMAN ENTOMOLOGICAL INSTITUTE. 68. CONTRIBUTION. HYMENOPTERA APIDAE. III. (GENUS NOMADA SCOPOLI). (GE)

M Schwartz

Beitr Eutomol 17(3-4):529-535

1967 421 B392

Insect taxonomy, Nomada, Surveys, Zoogeography. English and Russian abstracts.

7538-69

NEW CARABUS FORMS FROM ANATOLIA (COL., CARABIDAE). (GE)

H Schweiger

Entomol Bl 64(3):157-167

15 Feb 1969 421 EN833

Carabidae, Insect taxonomy, Surveys, Zoogeography.

7539-69

THE WORLD RHYPAROCHROMINAE (HEMIPTERA: LYGAEIDAE). IV. ON SOME RHYPAROCHROMINAE TYPES IN THE MUSE-UM NATIONAL D'HISTOIRE NATURELLE, PARIS.

G G E Scudder

Paris Mus Nat Hist Natur Bull 39(1,SER 2):151-157

21 Jul 1967 410.9 P213

Insect taxonomy, Lygaeidae, Rhyparochrominae, Zoogeography.

7540-69

A FOURTH EUROPEAN LYSAPHIDUS SPECIES: LYSAPHIDUS VIATICUS N. SP. (HYMENOPTERA: APHIDIIDAE). (GE)

U Sedlag

Deut Entomol Z 16(1-3):127-130

01 May 1969 421 D48

Aphidiinae, Insect taxonomy.

7541-69

REMARKS ON SOME DIPTERAN INSECTS OF THE GENUS OMPHRALE MEIGEN (DIPTERA: SCENOPINIDAE). (FR)

E Seguy

Natur Can 95(3,MAY-JUN):657-659

Jun 1968 410 N216

Insect biology, Insect taxonomy, Scenopinidae, Scenopinus. English abstract.

7542-69

BRACONIDAE DESCRIBED BY L'ABBE PROVANCHER.

R D Shenefelt

Natur Can 95(3,MAY-JUN):627-656 Jun 1968 410 N216

Braconidae, Insect taxonomy, Zoogeography.

DESCRIPTIONS OF LASIODIAMESA BIPECTINATA SPEC. NOV. AND PAROCHLUS KIEFFERI (GARRETT) BRUNDIN (DIPTERA: CHIRONOMIDAE).

O A Shether

Beitr Entomol 17(1-2):235-247

1967 421 B392

Chironomidae, Insect taxonomy, Lasiodiamesa, Parochlus.

7544-69

STUDY ON THE JAPANESE CALOCARCELIA TOWNSEND AND EUCARCELIA BARANOV (DI PTERA: TACHINIDAE).

H Shima

Kynshu Univ Fac Agr J 14(4):507-533 REF Nov 1968 107.6 K995

Insect taxonomy, Tachinidae, Zoogeography.

7545-69

COMPARATIVE SEROLOGY OF A COMPLEX SPECIES GROUP OF FOOD-PLANT SPECIALISTS: THE RHAGOLETIS POMONELLA COMPLEX (DIPTERA: TEPHRITIDAE).

J P Simon

Syst Zool 18(2):169-184 REF

Jun 1969 410 SY8

Electrophoresis, Immunochemistry, Insect nutrition, Insect rearing, Insect taxonomy, Rhagoletis mendax, Rhagoletis pomonella, Serological tests.

Protein extracts of pupae from eight populations of the Rhagoletis pomonella complex reared on apples, Crataegus, Vaccinium, and Gaylussacia, were compared serocogically using both quantitative (Boyden method) and qualitative (immunodiffusion and immunoelectrophoresis) techniques. Those populations feeding on apples and Crataegus were indistinguishable but were differentiated in all tests from those forms developed on Vaccinium and Gaylussacia, supporting the recognition of two entities, R. pomonella and R. mendax, within the complex.

7546-69

THE CZECHOSLOVAKIAN SPECIES OF THE ANCYROPHORUS KRAATZ GENUS (COL., STAPH.). (76. CONTRIBUTION TO THE KNOWLEDGE OF THE STAPHYLINIDAE.). (GE)

A Smetana

Acta Ent Boltemoslov 64(5):383-391

1967 420 C33

W Steinhausen

Ancyrophorus, Insect taxonomy, Zoogeography. English and czech abstracts.

7547-69

A STATISTICAL STUDY ON THE SYSTE-MATICS OF THE CASSIDINAE (COL., CHRYS.). (GE)

Dent Eutoniol Z 16(1-3):147-152

01 May 1969 421 D48 Cerambycidae, Insect taxonomy, Statistical analy-

sis.

7548-69 DISTRIBUTION OF THE MACROLEPIDOP-TERA IN THE BALTIC. III. NOCTURNAL MOTHS (FAM. NOCTUIDAE). (GE)

A Sulcs J Viidalepp

Dent Eutomol Z 16(1-3):217-272 MAP REF

01 May 1969 421 D48

Noctuidae, Surveys, Zoogeography.

7540-60

ON THE APPLICATION OF STATISTICAL METHODS IN SYSTEMATICS. (POL)

L Sych

Kosmos Ser A Biol 16(3):267-273

1967 442 8 K84

Insect taxonomy, Statistical analysis.

7550-69

THE AFRICAN SPECIES OF THE GENUS LITERNA STAL (HOMOPTERA: CERCOPIDAE). (FR)

H Synave

Inst Roy Sci Natur Belg Bull 44(4):1-35

25 Jan 1968 504 B835B

Cercopidae, Insect taxonomy, Zoogeography.

ENTOMOLOGY

7551-69

7551-69

ENTOMOLOGICAL SURVEY OF THE COOK ISLANDS AND NIUE. 1-HYMENOPTERA-FOR-MICIDAE.

R W Taylor

New Zealand J Sci 10(4):1092-1095

Dec 1967 514 N482

Formicidae, Insect taxonomy, Surveys, Zoogeog-

Three ant species are added to the 17 previously recorded from the Polynesian Cook Islands, and the first records of ants (19 species) from Nuie are given. These constitute typical synthetic oceanic faunulae assembled largely, if not entirely, from propagules introduced by man.

THE ESTABLISHMENT IN NEW ZEALAND OF BRACON VARIEGATOR NEES (HYMENOPTERA: BRACONIDAE) A PARASITE OF COLEOPHORA SPECIES (LEPIDOPTERA: COLEOPHORIDAE).

W P Thomas

New Zealand J Sci 12(1):43-53

Mar 1969 514 N482

Bracon variegator, Coleophora, Parasitic insects,

A parasite of Coleophora spp. in Europe, Bracon variegator Nees, introduced from Francc into New Zealand during the summer of 1961-62, has successfully established in localized areas of Nelson province. The presence of this parasite in Nelson field samples was first recorded in February 1966. Notes on the biology and laboratory breeding of B. variegator are given.

COMMENTS ON THE TAXONOMY OF SOME PALEARCTIC SPECIES OF THE MEGACHILIDAE FAMILY (HYMENOPTERA, APOIDEA). (GE)

B Tkalcu

Acta Ent Bohemoslov 64(2):91-104 REF

1967 420 C33

Hymenoptera, Insect taxonomy, Megachilidae. Czech abstract.

THE TRICHOPTERA OF THE LULE LAPP-MARK (SWEDEN), III. ON THE DIFFERENTIA-TION OF POTAMOPHYLAX CINGULATUS (STEPHENS 1837) AND P. LATIPENNIS (CUR-TIS 1834) (LEMNÉPHILIDAE). (GE)

W Tobias

Entomol Z 79(9):96-100

02 May 1969 421 EN85

Insect taxonomy, Limnephilidae.

7555-69

THE TRICOPTERA OF THE LULE LAPPMARK (SWEDEN), II. INVENTORY OF THE SPECIES, HABITATS, AND FLIGHT PERIODS. (GE)

W Tobias

Entomol Z 79(9):93-96

02 May 1969 421 EN85

Bibliography, Habitats, Insect behavior, Insect flight, Surveys, Trichoptera.

THE TRICHOPTERA OF THE LULE LAPP-MARK (SWEDEN), II. CATALOG OF THE SPECIES, HABITATS AND FLIGHT PERIODS. (GE

Entomol Z 79(8):77-84,85-92 MAP

15 Apr 1969 421 EN85

Insect ecology, Insect taxonomy, Surveys, Trichoptera, Zoogeography.

7557-69

LIST OF THE HOSTS OF EN-TOMOPHAGOUS INSECTS OF NEW ZEA-

E W Valentine

New Zealand J Sci 10(4):1100-1209 REF

Dec 1967 514 N482

Food habits, Insect taxonomy, Insects, Predaceous

7558-69

CONTRIBUTION TO THE STUDY OF THE DIP-TERAN BRAULIDAE AND PUPIPARANS: HIP-NYCTERIBIIDAE, POBOCCIDAE, STREBIDAE. (FR)

P Vanschuytbrocck

Inst Roy Sci Natur Belg Bull 44(17):1-30 15 Apr 1968 504 B835B

Diptera, Insect taxonomy, Zoogcography.

7559-69

CERCYON-STUDIES WITH DESCRIPTIONS OF TWO NEW GERMAN SPECIES. (GE)

Entomol Bl 64(3):172-191 REF

15 Feb 1969 421 EN833

Cercyon, Hydrophilidae, Insect taxonomy, Zoogeography.

WHAT IS LOPUS INSIGNIS REUTER, 1879 (HEM. HET. MIRIDAE). (GE)

E Wagner

Deut Entoinol Z 16(1-3):185-187

01 May 1969 421 D48

Insect taxonomy, Miridae.

GLOBICEPS CRUCIATUS GROUP (HETEROPTERA, MIRIDAE). (GE)

E Wagner

Notulae Entomol 49(1):25-30

1969 421 N84

Insect taxonomy, Miridac.

7562-69

SEVERAL NEW MIRIDS FROM LIBIA (HETEROPTERA). (GE)

E Wagner

Notulae Entomol 49(1):11-24

1969 421 N84

Insect taxonomy, Miridae.

7563-69

RHABDOBLATTA STIPATA (WALKER, 1868), AN AQUATIC COCKROACH. (GE)

H Weidner

Entomol Z 79(10):101-106

16 May 1969 421 EN85

Aquatic insects, Blattidae, Insect taxonomy, Zoogeography.

RESULTS OF THE ALBANIAN 1961 EXPEDI-TION OF THE GERMAN ENTOMOLOGICAL INSTITUTE. 67. CONTRIBUTION. HYMENOP-TERA. POMPILIDAE AND CEROPALIDAE. (GE

H Wolf

Beitr Entomol 17(3-4):521-527

1967 421 B392

Ceropalidac, Insect taxonomy, Pompilidae, Surveys. English and Russian abstracts.

CYTOTAXONOMY OF NORTH-AMERICAN CHIRONOMIDAE SPECIES. (GE)

W Wulker J E Sublette J Martin

Ann Zool Fenn 5(1):155-158 REF

1968 410 AN712

Chironomidae, Chromosomes, Cytology, Insect genetics, Inscct taxonomy, Polymorphism.

PHYSIOLOGY AND BIOCHEMISTRY

EFFECT OF DDT POISONING ON THE LONGEVITY AND FECUNDITY OF THE PINK BOLLWORM.

P L Adkisson S G Wellso J Econ Entornol 55(6):842-845 Dcc 1962 421 J822

DDT, Fertility, Insecticides, Longevity, Pectinophora gossypiella, Poisoning, Toxicity.

EQUIPMENT FOR THE EXPERIMENTAL FEEDING OF SANDFLIES. (GE)

A N Alekseev

Angew Parasitol 10(1):1-8 REF

Feb 1969 436.8 AN4

Feeding, Insect cages, Insect rearing equipment, Psychodidae. English and Russian abstracts.

7568-69

OBSERVATIONS AND EXPERIMENTAL DATA ON OVARY ACTIVITY IN ADULT GALLERIA MELLONELLA (LEPIDOPTERA PYRALIDAE). (FR)

P Allegret

Paris Soc Biol Compt Rend 160(10):1939-1942 20 Feb 1967 442.9 P21

Galleria mellonella, Insect histology, Insect physiology, Ovaries.

7569-69

INSECTICIDE RECOMMENDATIONS 1969 FOR ALFALFA, CLOVER AND SOYBEANS.

Anonymous (279-D):2P

1969 275.29 K415M

Alfalfa, Chemical control (insects), Clover, Insect Insecticide application, Insecticides, Soybeans, Spraying.

7570-69

SOME NOTES ON THE FOOD OF THE CHIRONOMID LARVAE OF A SHALLOW WOODLAND LAKE IN SOUTH FINLAND.

P D Armitage

Ann Zool Fenn 5(1):6-13

1968 410 AN712

Chironomidae, Food, Insect ecology, Insect nutrition, Larvae.

RESISTANCE TO ORGANOPHOSPHATES IN NEW ZEALAND STRAINS OF THE TWO-SPOTTED SPIDER MITE, TETRANYCHUS TELARIUS (L.).

G H Ballantyne R A Harrison New Zealand J Sci 10(4):915-917

Dec 1967 514 N482

Insecticides, Organophosphorus compounds, Parathion, Tetranychus telarius.

Resistance to organophosphates has been suspected in several New Zealand strains of the two-spotted spider mite, Tetranychus telarius (L.). A topical application technique was used to confirm that two independent strains of this species are highly resistant to parathion. Precise measurements indicate that the strains developed an 1150 1210 fold level of resistance.

7572-69 DIGESTIVE ENZYMES OF THE ALIMENTARY CANAL OF THE LARCH BARK BEETLE IPS CEMBRAE HEER.

R A Balogun

Compar Biochem Physiol 29(3):1267-1270 REF

Jun 1969 444.8 C73 Enzymes, Histochemistry, Insect biochemistry, Intestines, Ips.

LARVAL DIAPAUSE IN THE TICK IXODES RICINUS L. AND ITS RELATION TO EXTERNAL CONDITIONS. 7. ON THE SENSITIVITY TO PHOTOPERIODIC STIMULI DURING BLOOD-SUCKING. (RUS)

V N Belozcroy

Zool Zhur 48(5):686-700 REF

May 1969 410 R92

Ixodes ricinus, Larvac, Photoperiodism. English abstract.

7574-69

THE SECRETORY ACTIVITY OF CORPORA ALLATA DURING SEXUAL MATURATION AND IMAGINAL DIAPAUSE IN GRYLLUS

DECEMLINEATA SAY.

T G Belvaeva

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AL

Acta Ent Bohemoslov 64(1):1-15 REF

1967 420 C33

Corpora allata, Glands (insects), Gryllus domesticus, Insect physiology, Leptinotarsa decemlineata, Metamorphosis, Secretion.

RELATIVE ACTIVITY OF PYRETHROIDS IN AEROSOL FORM.

I V Bessonova I V Vashkov J P Volkov A P Volkova E B Zhuk

J Hyg Epidemiol Microbiol Immunol 13(1):56-63 REF

1969 448.8 J826

Aerosols, Chemical control (insects), Insecticidal aerosols, Musca domestica, Pyrethrum.

CERTAIN PROBLEMS CONCERNING THE STUDY OF CHIRONOMIDAE POPULATIONS. (FR)

N Botnariuc P Albu

Ann Zool Fenn 5(1):22-26 REF

1968 410 AN712

Chironomidae, Insect ecology, Insect taxonomy, Larvae, Population statistics.

RATING VARIOUS DETECTION METHODS FOR IXODES RICINUS. (GE)

I Bouckova V Dyk

Angew Parasitol 10(1):8-14

Feb 1969 436.8 AN4

Insect collecting equipment, Insect detection, Ixodes ricinus, Methodology. English, Russian and Czech abstracts.

UTILIZATION OF DDT RESISTANCE AS A MEANS OF INVESTIGATING THE POSSIBLE EXISTENCE OF HOST-SPECIFIC STRAINS OF THE BOLLWORM, HELTIOTHIS ZEA.

J R Bradley Jr J B Graves D F Clower

J Econ Entomol 59(2):460-462

Apr 1966 421 J822

Cotton, DDT, Heliothis zea, Insect hosts, Insecticide resistant insects, Larvae.

POLYGENE STRUCTURE OF INSECT HEMAGLOBIN. CHIRONOMUS TH. THUMMI (DIPTERA). (GE)

G Braunitzer G Buse S Braig

Naturwissenschaften 56(4):215

Apr 1969 474 N213

Blood chemistry, Chironomus thummi, Electrophoresis, Hemoglobin, Insect biochemistry, Peptides.

7580-69

HUNTING BEHAVIOR OF THE CTENIZIDAE.

H H R Buchli

Amer Zool 9(1):175-193 REF

Feb 1969 410 AM3

Ctenizidae, Feeding, Insect behavior, Insect ecology, Insect physiology, Predaceous insects, Spiders.

7581-69

SUSCEPTIBILITY OF THE AEDES ALBOPICTUS AND A. AEGYPTI CELL LINES TO INFECTION WITH ARBOVIRUSES.

S M Buckley

Soc Exp Biol Med Proc 131(2):625-630

Jun 1969 442.9 SO1

Aedes aegypti, Aedes albopictus, Arboviruses, Insect diseases.

7582-69

THE CONVERSION OF GLUTAMATE TO ALANINE IN THE TSETSE FLY (GLOSSINA MORSITANS).

E Bursell

Compar Biochem Physiol 23(3):825-829 Dec 1967 444.8 C73

Alanine, Carbon isotopes, Glossina morsitans, Glutamic acid, Insect biochemistry, Insect metabolism, Radioactive tracers.

SYMPATRIC HOST RACE FORMATION AND SPECIATION IN FRUGIVOROUS FLIES OF THE GENUS RHAGOLETIS (DIPTERA, TEPHRITIDAE).

G L Bush

Evolution 23(2):237-251 MAP REF

Jun 1969 443.8 EV62

Insect evolution, Population, Rhagoletis, Zoogeography.

7584-69

EVOLUTION OF WING REDUCTION IN CRANE FLIES (DIPTERA: TIPULIDAE).

G W Byers

Evolution 23(2):346.354 REF

Jun 1969 443.8 EV62

Insect evolution, Temperature, Tipulidae, Wings (insects), Zoogeography.

CHEMOSTERILISATION OF THE RED BOLL-WORM, DIPAROPSIS CASTANEA HMPS. (LEPIDOPTERA: NOCTUIDAE).

D G Campion

Trop Sci 10(4):222-232 REF

1968 26 T756

Baits, Chemosterilants, Diparopsis castanea, Insect behavior, Noctuidae, Sex behavior, Tepa.

THE FORMATION OF A RUDIMENTARY SPERMATOPHORE BY THE RED BOLL-WORM.

D G Campion

Trop Sci 10(4):233-236

1968 26 T756

Carbamates, Carbaryl, Chemosterilants, Diparopsis castanea, Insect morphology, Insect physiology, Insecticides, Noctuidae, Spermatophorcs.

RESULTS OF TESTS WITH BACILLUS THURINGIENSIS BERLINER AGAINST GYPSY MOTH LARVAE.

G E Cantwell S R Dutky J C Keller C G Thompson

J Invertebrate Pathol 3(2):143-147

Jun 1961 421 J826

DDT, Land improvement, Larvae.

HABITAT AND DISTRIBUTION OF MECOP-TERA IN EAST TENNESSEE.

D M Caron

Tenn Acad Sci J 42(3):73-75 Jul 1967 500 T25A

Habitats, Insect biology, Mecoptera, Zoogeog-

7589-69

MODES OF ESTABLISHING THE FLICKER RESPONSE IN THE INSECT EYE IN MODULATED ILLUMINATION. (FR)

P Carricaburu R Fouchard

Acad Sci Compt Rend Ser D Sci Nat 268(15, 1ST SEMESTER):1955-1957

14 Apr 1969 505 P21 Eyes, Insect behavior, Mantispidae, Orthoptera,

Photosensitization.

7590-69

THE ACTION OF CORPORA CARDIACA EXTRACTS ON INTESTINAL PERISTALSIS IN LOCUSTA MIGRATORIA. (FR)

M Cazal

Arch Zool Exp Gen 110(1):83-89 REF

15 May 1969 410 AR24

Corpora cardiaca, Insect physiology, Locusta migratoria. English and German abstracts.

AN AUTOSOMAL RECESSIVE YELLOW-EYED MUTATION IN THE BLOWFLY. P.C. Chabora

J Hered 58(2.MAR-APR):87-88

Apr 1967 442.8 AM3

Eyes, Insect genetics, Insect morphology, Insect mutation, Phaenicia sericata, Pigments (insect), Ultraviolet rays.

7592-69

EVIDENCE OF A BIOGEN AMINE IN THE STOMATOGASTRIC NERVOUS SYSTEM OF THE INSECTA: HISTOCHEMICAL AND ULTRASTRUCTURAL STUDY. (FR)

B Chanussot J Dando M Moulins M S Laverack Acad Sci Compt Rend Ser D Sci Nat 268(16,.1ST SEMESTER):2101-2104 REF

21 Apr 1969 505 P21

Amines, Blaberus craniifer, Catechol amines, Cytology, Insect physiology, Nerves, Schistoccrea gregaria.

7593-69

NIGHTS FLIGHT OF THE AUSTRALIAN PLAGUE LOCUST. CHORTOICETES TERMINIFERA WALK., IN RELATION TO STORMS.

D P Clark

Australian J Zool 17(2):329-352 REF

Jun 1969 410 AU73

Chortoicetes terminifera, Insect flight, Population, Rainfall.

7594-69

FEEDING BEES.

A A Clemson

Agr Gaz New S Wales 80(4):201-205

Apr 1969 23 N472

Apiculture, Apis mellifera, Insect nutrition, Insect rearing equipment, Sucrose, Syrups.

AN EXPERIMENT ON SELECTION FOR MIMICRY.

L M Cook

Entomologist (london) 102(1272):107-113 REF May 1967 421 EN8

Insect evolution, Insect protective devices, Mimicry, Natural selection, Predators.

7596-69

STUDIES ON THE TRANSFER FUNCTION OF A COCKROACH MECANORECEPTOR.

Compar Biochem Physiol 20(1):13-25 REF

Jan 1967 444.8 C73

Insect physiology, Mechanoreceptors, Nervous system, Periplaneta americana, Statistical analysis.

ON SOME PROBLEMS WITH THE BIONOMICS OF THE BEET NEMATODE (HETERODERA SCHACHTII SCHMIDT, 1871). (GE)

J Curi I Zmoray

Biologia (bratislava) 22(2):125-131

1967 442.8 B5265

Beets, Ecology, Heterodera schachtii, Plant nematodes, Temperature. Czech and Russian abstracts.

SUSCEPTIBILITY OF ARCTIC MOSQUITOES TO DDT AND MALATHION.

T J Curtin

J Econ Entomol 59(6):1528

Dec 1966 421 J822

Aedes impiger, Aedes nigripes, Culicidae, DDT, Malathion.

7599-69

NEMATODES ASSOCIATED WITH THE PINE-BARK BEETLE, HYLASTES ATER, IN NEW ZEALAND.

P S Dale

New Zealand J Sci 10(1):222-234 REF

Mar 1967 514 N482 Hylastes ater, Insect diseases, Nematodes.

Samples of the Hylastcs atcr from fourteen localities between Auckland and South Canterbury were

BIBLIOGRAPHY

7600-69

examined for nematodes. Four species were found, and all samples yielded nematodes of at least two species. These four species have all been recorded from bark beetles in Germany but seven other species associated with H. ater in Germany have not been found in New Zealand. There is evidence that climactic differences between New Zealand and Germany have altered the pattern of infection of one of the introduced nematodes.

EFFECTS OF DIETARY LIPIDS ON SURVIVAL AND DEVELOPMENT OF THE SAW-TOOTHED GRAIN BEETLE, ORYZAEPHILUS RINAMENSIS (L.) (COLEOPTERA: VANIDAE).

G R F Davis

Rev Can Biol 26(2):119-124 REF

Jun 1967 442.8 R325

Insect metabolism, Insect nutrition, Inphysiology, Lipids, Oryzaephilus surinamensis. Insect

THE IDENTIFICATION AND DETERMINATION OF PHOSPHAGEN IN INSECTS AND THEIR EGGS.

F Di Jeso M Malcovati M T Gaetani M L Speranza

Compar Biochem Physiol 20(2):607-618 REF Feb 1967 444.8 C73

Histochemistry, Insect biochemistry, Insect eggs, Insects, Phosphagen.

7602-69

RENEWED INFORMATION ON CAMPTOPOE-UM FRONTALE (F.) IN THE HALLE/SAALE VICINITY (HYM.: APOIDAEA). (GE)

Deut Entomol Z 16(1-3):55-57

01 May 1969 421 D48

Apoidea, Insect morphology, Larvae.

A PUPAL STRUCTURE IN SIMULIUM CLATHRINUM MACKERRAS AND MACKER-RAS AND RELATED SPECIES (DIPTERA: SIMULIIDAE).

L J Dumbleton

New Zealand J Sci 10(3):661-663

Sep 1967 514 N482

Cuticle, Pupae, Simuliidae.

A description is given of a cuticular structure which partially encloses a group of small setae immediately anterior to the thoracic gill on the pupa of Simulium clathrinum M. and M. and those related species.

7604-69

POLYMORPHISM IN THE MIMETIC BUTTERFLY HYPOLIMNAS MISIPPUS L. IN GHANA.

M Edmunds

Heredity 24(2):281-301 REF

May 1969 443.8 H42

Danaidae, Insect genetics, Mimicry, Nymphalidae, Polymorphism, Population.

7605-69

CONTEMPORARY MALLOPHAGA LITERA-TURE. (GE)

W Eichler J Zlotorzycka Angew Parasitol 10(1):53-60 REF Feb 1969 436.8 AN4

Bibliography, Mallophaga, Reviews.

OCCURRENCE OF VANESSA CARDUI L. (LEPIDOPTERA, NYMPHALIDAE) IN FIN-LAND.

Notulae Entomol 49(1):1-5

1969 421 N84

Insect migration, Vanessa cardui.

BASE COMPOSITION AND THERMAL DENATURATION OF DNA ISOLATED FROM ANAPLASMA MARGINALE.

R D Ellender G T Dimopoullos

Soc Exp Biol Med Proc 125(1):82-85 REF

May 1967 442.9 SO1

Anaplasma marginale, Calves, Histochemistry, Nucleic acids, Proteins.

DNA, isolated by two methods, from purified A. marginale, was found to possess average molar ratios of A/T and G/C of 1.9 and 2.65, respectively. There was also a lack of increase in hyperchromicity of isolated DNA in thermal denaturation studies. Attempts to isolate RNA or to detect U were unsuccessful.

INFRASTRUCTURAL STUDY OF THE MOLT-ING GLANDS IN LOCUSTA MIGRATORIA MIGRATORIOIDES (R. ET F.). II. MIGRATORIOIDES (R. ET F.). II.
MORPHOLOGICAL ANALYSIS OF THE
DEGENERATIVE STAGES IN THE GREGARI-OUS IMAGOS. (FR)

M A Fain-Maurel P Cassier

Arch Zool Exp Gen 110(1):91-126 REF

15 May 1969 410 AR24

Electron microscopy, Glands (insects), Insect morphology, Locusta migratoria migratorioides, Molting (insects). English and German abstracts

7609-69

THE PHARMACOLOGY OF CARDIOAC-CELERATORS IN THE CENTRAL NERVOUS SYSTEM OF PERIPLANETA AMERICANA (L.).

F E Gardner H D Rounds Compar Biochem Physiol 29(3):1071-1078

Jun 1969 444.8 C73

Atropine, Central nervous system, Dorsal vessel, Eserine, Insect physiology, Periplaneta americana, Picrotoxin, Tissue culture.

7610-69

AN ANALYSIS OF NATURAL SELECTION IN LABORATORY POPULATIONS OF DACUS (TEPHRITIDAE: DIPTERA).

J H Gee

Evolution 23(2):212-224 REF

Jun 1969 443.8 EV62

Dacus, Insect rearing, Polymorphism, Population.

CHANGES IN LIPID CONTENT DURING THE REPRODUCTIVE CYCLE OF LEUCOPHAEA MADERAE AND EFFECTS OF THE JUVENILE HORMONE ON LIPID METABOLISM IN VITRO.

L I Gilbert

Compar Biochem Physiol 21(2):237-257 REF May 1967 444.8 C73

Insect physiology, Juvenile hormone, Leucophaea maderae, Lipids, Reproduction, Tissue culture.

ULTRASTRUCTURE OF THE COXAL GLANDS OF THE GENUS ORNITHODOROS (ACARI: ARGASIDAE). (GE)

W Groepler

Z Wiss Zool 178(3-4):235-275 REF

Coxal glands, Cytology, Electron microscopy, Glands (insects), Insect physiology, Ornithodoros.

NOTES ON THE MORPHOLOGY OF ALYCUS ROSEUS C. L. KOCH.

L. van der Hammen

Leiden Rijksmus Natuur Hist Zool Mededel 43(15):177-202 REF

26 Feb 1969 410.9 L59

Insect morphology, Opilioacaridae.

7614-69

SEASONAL VARIATION IN THE MARINE CHIRONOMID, CLUN TOKUNAGA (DIPTERA). **TSUSHIMENSIS** CLUNO

H Hashimoto

Ann Zool Fenn 5(1):41-48 REF

1968 410 AN712

Chironomidae, Climate, Insect physiology, Seasonal variation.

7615-69

THE CHARCOAL DIGGER WASP, ISODONITA PELOPOEIFORMIS.

G H Heinrich

Fla Entomol 52(2):113

May 1969 420 F662

Charcoal, Insect behavior, Insect nests, Sphecidae.

STUDY OF OSMIA CORNUTA'S CONSTRUCTION AFTER INJECTIONS OF LABELLED SUBSTANCES. (FR)

Y Heroin-Delauney

Paris Soc Biol Compt Rend 160(11):2027-2030 26 Apr 1967 442.9 P21

Development, Insect physiology, Osmia cornuta, Radioactive tracers.

7617-69

PLASTRON RESPIRATION IN THE MARINE FLY CANACE.

H E Hinton

Mar Biol Ass Uk J 47(2):319-327

1967 442.9 M331

Canace, Canaceidae, Insect evolution, Insect respiration, Larvae, Pupae.

7618-69

THE EFFECTS OF METHYLFARNESOAT-DIHYDROCHLORIDE ON THE COLOUR CHANGE AND MOULTING BEHAVIOUR IN THE LARVAE OF CERURA VINULA L. (LEPIDOPTERA). (GE)

Ch Hintze

Biol Zentralbl 88(1,JAN-FEB):77-83

Feb 1969 442.8 B523

Hormones, Insect biochemistry, Insect color, Insect nutrition, Larvae, Molting (insects), Notodontidae.

THE EFFECT OF HORMONES ON THE IN-TESTINAL PROTEINASE ACTIVITY OF ADULT PYRRHOCORIS APTERUS L. (HEMIP-TERA).

H Hrubesova K Slama

Acta Ent Bohemoslov 64(3):175-183 REF

1967 420 C33

Hormones. Insect physiology, Intestines. Proteinases, Pyrrhocoris apterus.

THE EFFECT OF CHLORIDE IONS ON MOTH SKELETAL MUSCLE FIBRES.

H Huddart

Compar Biochem Physiol 20(1):355-359

Jan 1967 444.8 C73

Bio-electric potential, Chlorides, Insect biochemistry, Ions, Muscles, Sphingidae.

7621-69

EXPERIMENTAL STUDY ON MALE REPRODUCTION SYSTEMS OF THE MEALWORM: TENEBRIO MOLITOR (COLEOP-TERA, TENEBRIONIDAE). (FR)

Paris Soc Biol Compt Rend 160(11):2021-2025

26 Apr 1967 442.9 P21

Insect physiology, Nervous system, Reproductive organs, Tenebrio molitor.

A CONTRIBUTION TO THE KNOWLEDGE OF THE DIAPAUSE IN PERILLUS BIOCULATUS (FABR.) (HETEROPTERA, PENTATOMIDAE).

J Jasic

Acta Ent Bohemoslov 64(5):333-334

1967 420 C33

Insect physiology, Pentatomidac, Pcrillus bioculatus, Photoperiodism.

INFLUENCE OF MUTUAL RELATIONS OF ORGANISMS, ESPECIALLY CHIRONOMIDAE, IN NATURAL BENTHIO THEIR ABUNDANCE. BENTHIC COMMUNITIES, ON

Z Kajak K Dusoge A Stanczykowska Ann Zool Fenn 5(1):49-56 REF

1968 410 AN712

Chironomidae, Environment, Insect ecology, Lakes.

7624-69

FEEDING OF BENTHIC NON-PREDATORY CHIRONOMIDAE IN LAKES.

Z Kajak J Warda

Ann Zool Fenn 5(1):57-64 REF

1968 410 AN712

Algae, Chironomidae, Feeding habits (insects), Insect nutrition, Lakes.

7625-69

THE EFFECT OF IONTOPHORETIC INJECTION OF L-GLUTAMIC ACID AND GAMMA-AMINO-N-BUTYRIC ACID ON THE MINIATURE END-PLATE POTENTIALS AND CONTRACTURES OF THE COXAL MUSCLES OF THE COCKROACH PERIPLANETA AMERICANA L.

G A Kerkut R J Walker

Compar Biochem Physiol 20(3):999-1003 REF Mar 1967 444.8 C73

Amino acids, Bio-electric potential, Electrophysiology, Glutamic acid, Muscles, Periplaneta americana.

7626-69

ANNULATE LAMELLAE AND YOLK NUCLEI IN OOCYTES OF THE DRAGONFLY, LIBEL-LULA PULCHELLA.

R G Kessel H W Beams

J Cell Biol 42(1):185-201 REF

Jul 1969 442.8 J828

Cytology, Electron microscopy, Insect eggs, Libellula, Odonata.

7627-69

PHOSPHOLIPASE ACTIVITY IN MUSCA DOMESTICA L..

M A Q Khan E Hodgson

Compar Biochem Physiol 23(3):899-910 REF

Dec 1967 444.8 C73

Insect biochemistry, Insect metabolism, Musca domestica, Phospholipase.

7628-69

THE EFFECT OF GENOTYPE, MATING STATUS, WEIGHT AND EGE PRODUCTION ON LONGEVITY IN DROSOPHILA MELANOGASTER.

J F Kidwell L Malick

J Hered 58(4,JUL-AUG):169-172

Aug 1967 442.8 AM3

Drosophila melanogaster, Genes, Insect behavior, Insect eggs, Insect genetics, Insect physiology, Longevity, Sex behavior.

7629-69

SEASONAL AND DIEL EMERGENCE OF CHIRONOMUS SALINARIUS KIEFF. (DIPT., CHIRONOMIDAE) NEAR BERGEN, WESTERN NORWAY.

R Koskinen

Ann Zool Fenn 5(1):65-70 MAP REF

1968 410 AN712

Chironomidae, Insect ecology, Insect morphology, Marine biology, Seasonal variation.

7630-69

SEASONAL EMERGENCE OF CLUNIO MARINUS HALIDAY (DIPT., CHIRONOMIDAE) IN WESTERN NORWAY.

R Koskinen

Ann Zool Fenn 5(1):71-75 MAP REF

1968 410 AN712

Chironomidae, Insect morphology, Marine biology, Seasonal variation.

7631-69

INVESTIGATION INTO THE VARIABILITY OF EUROPEAN POPULATIONS OF ORTHOTYLUS ERICETORUM FALL. (HETEROPTERA: MIRIDAE). (GE)

V Koziskova

Acta Ent Bohemoslov 64(1):16-36 REF 1967 420 C33 Insect morphology, Miridae, Orthotylus ericetorum, Population, Zoogeography. Czech abstract.

632-69

VARIOUS ASPECTS OF THE BIOLOGY OF AGELENA CONSOCIATA DENIS WHEN BRED IN THE LABORATORY.

B Krafft

Amer Zool 9(1):201-210 REF

Feb 1969 410 AM3

Agelena consociata, Insect behavior, Insect physiology, Insect rearing, Predaceous insects, Spider webs, Spiders.

7633-69

INVESTIGATIONS INTO THE RELATION OF EGG LENGTH AND EGG QUANTITY PER BATCH TO THE SIZE OF THE FEMALE ANOPHELES CLAVIGER TYPICUS MEIGEN WITH REFERENCES TO THE DEVELOPMENT IN SIZE OF THE LARVAE. (INVESTIGATION INTO THE INSECT FAUNA FROM AREA NR. 15) (DIPTERA: CULICIDAE). (GE)

F Kuhlhorn

Beitr Entomol 17(3-4):337-347 REF

1967 421 B392

Anopheles claviger, Insect eggs, Insect physiology, Ovulation. English and Russian abstracts.

7634-69

STUDY OF DENUCLEOSIS OF GALLERIA MELLONELLA L. (LEPIDOPTERA) BY FLUORESCENT TECHNIQUES. (FR)

E, Kurstak I Goring S Garzon J R Cote Natur Can 95(3, MAY-JUN):773-783 REF

Jun 1968 410 N216

Dna viruses, Fluorescent antibody technic, Galleria mellonella, Insect diseases. English abstract.

7635-69

TRANSMISSION OF DENSONUCLEOSIS VIRUS BY PARASITISM OF A HYMENOPTERAN. (FR

E Kurstar C Vago

Rev Can Biol 26(4):311-316 REF

Dec 1967 442.8 R325

Galleria mellonella, Ichneumonidae, Insect diseases, Nemeritis canescens, Parasitic insects, Viruses. English abstract.

7636-69

SOME RESULTS ABOUT SELECTION OF ACANTHOSCELIDES OBTECTOS WITH INSTANTLY EGG-LAYING RESPONSE ON THE DELAYING PRESENTATION OF THE PHASEOLUS VULGARIS SEEDS. (FR)

V Labeyrie

Paris Soc Biol Compt Rend 160(8-9):1696-1699 04 Feb 1967 442.9 P21

Acanthoscelides obtectus, Egg production, Kidney beans.

7637-69

THE METABOLISM OF NUCLEIC ACIDS IN THE WING BUDS OF PIERIS BRASSICAE (L.) (LEPIDOPTERA, PIERIDAE). (FR)

P Lafont

Acad Sci Compt Rend Ser D Sci Nat 268(16, 1ST SEMESTER):2133-2135

21 Apr 1969 505 P21

Insect biochemistry, Insect metabolism, Insect physiology, Nucleic acids, Pieris brassicae, Thymidine, Wings (insects).

7638-69

IONIC DISTRIBUTION STUDIES IN HAEMOLYMPH FROM DIFFERENT PARTS OF PERIPLANETA AMERICANA BY RADIOACTIVE TRACERS.

S K Lahiri A Roy D Banerjee S C Jamdar S R

Indian J Exp Biol 5(1):27-28 REF

Jan 1967 442.8 IN2

Blood, Chlorides, Insect biochemistry, Iodine, Ions, Iron, Periplaneta americana, Radioisotopes, Sodi-

7639-69

EXPERIMENTAL INVESTIGATION INTO THE MORPHOLOGICAL VARIABILITY OF MUSCA DOMESTICA L. (DIPT. MUSCIDAE). (GE)

V Lavtschiev M Jelesova

Zool Anz 181(5-6,NOV-DEC):411

Dec 1968 410 Z7

Musca domestica, Polymorphism, Temperature.

7640-69

A METHOD OF MEASURING RESPIRATORY EXCHANGES IN THE TOTAL INSECT. (FR)
J R Le Berre N Hawlitzky

Paris Soc Biol Compt Rend 161(5):999-1004 25 Nov 1967 442.9 P21

Insect respiration, Methodology, Statistical analysis.

7641-69

RNA AND PROTEIN SYNTHESIS IN PUFFS ISOLATED FROM SALIVARY GLAND CHROMOSOMES OF CHIRONOMUS. (GE)

M Lezzi

Chromosoma 21(1):72-88 REF

02 Mar 1967 442.8 C46

Chironomus tentans, Chromosomes, Culture media, Insect biochemistry, Insect physiology, Proteins, Radioactive tracers, Ribonucleic acid. English abstract.

7642-69

SOME CHARACTERISTICS OF GLYCOGEN FROM A FLY PUPA (CALLIPHORA ERYTHROCEPHALA MEIG.).

N O Lindh

Compar Biochem Physiol 20(1):209-216 REF Jan 1967 444.8 C73

Calliphora vicina, Glycogen, Insect biochemistry, Pupae.

7643-69

PROTEIN SYNTHESIS IN CELL-FREE PREPARATIONS FROM MUSCA DOMESTICA

S Litvak J Mancilla M Agosin

Compar Biochem Physiol 21(3):441-448 REF Jun 1967 444.8 C73

Enzymes, Insect biochemistry, Musca domestica, Proteins, Tissue culture.

7644-69

THE INFLUENCE OF TEMPERATURE AND RELATIVE HUMIDITY ON THE WEIGHT LOSS OF THE PUGNACIOUS ANT, ANOPLOLEPIS CUSTODIENS (SMITH). (AF) J F LOUW

S Afr J Agr Sci 11(3):575-582

Sep 1968 24 SU3

Formicidae, Humidity, Insect physiology, Temperature.

7645-69

JOINT ACTION OF DDT-CONTAINING INSECTICIDE MIXTURES AGAINST DDT-RESISTANT PINK BOLLWORMS.

W L Lowry R S Berger

J Econ Entomol 57(1):181-182

Feb 1964 421 J822

DDT, Insecticide resistant insects, Pectinophora gossypiella.

7646-69

BOLLWORM AND TOBACCO BUDWORM RE-SISTANCE TO SEVERAL INSECTICIDES IN THE LOWER RIO GRANDE VALLEY OF TEX-AS.

W L Lowry R L McGarr O T Robertson R S Berger H M Graham

J Econ Entomol 58(4):732-734, TABS.

Aug 1965 421 J822

DDT, Heliothis virescens, Heliothis zea, Insecticide resistant insects.

7647-69

THE CEREAL LEAF BEETLE IN OHIO.

W F Lyon R E Treece

Ohio State Univ Ext Leafl (150):4P MAP

ENTOMOLOGY

7648-69

Jan 1969 275.29 OH32EL

Azinphosmethyl, Carbamates, Carbaryl, Chemical control (insects), Insect pests, Insect physiology, Insecticides, Malathion, Organophosphorus compounds, Oulema melanopa, Plant injuries.

7648-69

FIRST EXPERIMENTAL REARINGS HYLOBIUS ABIETIS LARVAE ON SYNTHETIC MEDIUM. (FR) OF

C B Malphettes Forestierier Sci Ann 25(3):189-192 1968 99.9 F845

Culture media, Curculionidae, Hylobius abietis, Insect physiology, Insect rearing, Larvae. English and German summaries.

7649-69

ON A METHOD OF POPULATION ESTIMA-TION USING CAPTURE-RECAPTURE DATA.

B F J Manly

Entomologist (london) 102(1272):117-120

May 1969 421 EN8

Methodology, Population, Statistical analysis, Sur-

7650-69

BIONOMICS OF STETHORUS GILVIFRONS **MULSANT** (COLEOPTERA: COCCINEL-LIDAE).

L M L Mathur

Madras Agr J 56(1):7-11

Jan 1969 22 M262

Bionomics, Castorbeans, Coccinellidae, Insect eggs, Insect physiology, Predaceous insects, Stethorus, Tetranychus telarius.

INVESTIGATION INTO THE POPULATION FLUCTUATIONS OF OSCINELLA FRIT L.. (GE

K Mayer

Deut Entomol Z 16(1-3):115-126 REF

01 May 1969 421 D48

Insect biology, Insect ecology, Oscinella frit, Popu-

THE CAPACITY OF INSECTS TO LEARN AND TO EVALUATE VISUAL STIMULI.

G A Mazokhin-Porshnyakov

Entomol Rev 47(2,APR-JUN):211-221 REF

Jun 1968 421 R322AE

Bee behavior, Bees, Color, Size, Stimuli, Vision. Russian journal-Entomologicheskoye Obozreniye, p. 362-379.

NEUROMUSCULAR TRANSMISSION IN INSECTS: EFFECT OF INJECTED CHEMICAL AGENTS.

F V McCann R W Reece

Compar Biochem Physiol 21(1):115-124 REF Apr 1967 444.8 C73

Acetylcholine, Electrophysiology, Eserine, Glutamic acid, Muscles, Nerves, Sarcophaga bullata.

THE EFFECT OF METABOLIC INHIBITORS ON THE MOTH HEART.

F V McCann

Compar Biochem Physiol 20(2):399-409 REF Feb 1967 444.8 C73

Antimetabolites, Dinitrophenol, 2,4-, Dorsal vessel, Electrophysiology, Hyalophora cecropia, Insect physiology, Sodium azide.

SPIDER VENOMS: BIOCHEMICAL ASPECTS.

J D McCrone

Amer Zool 9(1):153-156 REF

Feb 1969 410 AM3

Amines, Amino acids, Atrax robustus, Ctenus ferus, Enzymes, Insect biochemistry, Latrodectus mactans, Lycosa erythrognatha, Peptides, Spiders, Venoms.

7656-69

THE METABOLISM OF C-14 LABELED DDT IN LARVAE, PUPAE, AND ADULTS OF DROSOPHILA MELANOGASTER.

BIBLIOGRAPHY

D B Menzel S M Smith R Miskus W M Hoskins J Econ Entomol 54(1):9-12

Feb 1961 421 J822

Dicofol, DDT, Drosophila melanogaster, Metabolism, Radioactive tracers.

DAILY PERIODICITY OF THE FORMATION OF HONEYBEE ENDOCUTICLE LAYERS. (GE

R Menzel K Moch G Wladarz M Lindaver Biol Zentralbl 88(1 JAN-FEB):61-67

Feb 1969 442.8 B523

Apis mellifera, Cuticle, Insect physiology, Photoperiodism.

7658-69

THE INFLUENCE OF TEMPERATURE UPON THE GROWTH OF ACROLEPIA ASSECTELLA ZELLER. (FR)

M Meudec

Paris Soc Biol Compt Rend 160(8-9):1693-1696 04 Feb 1967 442.9 P21

Acrolepia assectella, Development, Insect physiology, Larvae, Temperature.

7659-69

ADENOSINETRIPHOSPHATASES FROM THORACIC MUSCLE MITOCHONDRIA OF THE AMERICAN COCKROACH.

R R Mills D G Cochran

Compar Biochem Physiol 20(3):919-923

Mar 1967 444.8 C73

Adenosine triphosphatase, Chromatography, Insect biochemistry, Mitochondria,
Periplaneta americana, Thorax. Muscles.

INVESTIGATION OF THE LATENT PERIOD OF THE OAK LEAF ROLLER TORTRIX VIRIDANA L. (LEPIDOPTERA). (GE)

J Moeller

Dent Entomol Z 16(1-3):77-79

01 May 1969 421 D48

Insect physiology, Population, Tortrix viridana.

CORTISOL AND GROWTH IN INSECTS.

W Mordue

Compar Biochem Physiol 23(3):721-727 REF

Dec 1967 444.8 C73

Hormones, Hydrocortisone, Insect physiology, Schistocerca gregaria, Tenebrio molitor.

7662-69

SOME ECOLOGICALLY INTERESTING CHIRONOMIDAE FROM THE LAKE REGION

G Mothes

OF STECHLIN. (GE)

Ann Zool Fenn 5(1):92-96 REF 1968 410 AN712

Chironomidae, Insect ecology, Insect morphology, Insect taxonomy.

7663-69

FATTY ACID COMPOSITION OF GLYCERIDE AND FREE FATTY ACID FRAC-TIONS OF THE FAT BODY AND HEMOLYMPH OF THE COCKROACH, PERIPLANETA AMER-ICANA (L.).

D R Nelson A C Terranova D R Sukkestad Compar Biochem Physiol 20(3):907-917 REF Mar 1967 444.8 C73

Aging, Blood, Chromatography, Fat body, Fatty acids, Glycerides, Periplaneta americana.

EXPERIMENTS WITH THE MEASUREMENT OF THE INTENSITY OF THE WING BEAT RESONANCE OF THE MOSQUITO, CULEX PIPIENS. (GE)

D Novak M Migota

Deut Entomol Z 16(1-3):273-275

01 May 1969 421 D48

Culex pipiens, Insect flight, Sound waves, Wings (insects).

7665-69

MORPHOGENETIC ANALYSIS OF THE EFFECTS OF JUVENILE HORMONE ANALOGUES AND OTHER MORPHOGENETICALLY ACTIVE SUBSTANCES ON EMBRYOS OF SCHISTOCERCA GREGARIA (FORSKAL).

J Einbryol Exp Morphol 21(1):1-21 REF

Feb 1969 442.8 J829

V J A Novak

Genetics, Hormones, Insect eggs, Insect morphology, Insects, Larvae, Schistocerca gregaria, Tissues. English and French summaries.

7666-69

TAXONOMY, ECOLOGY AND BEHAVIOR OF THE NORTHERN BALTIC CLUNIO MARINUS HALID. (DIPT., CHIRONOMIDAE).

R Olander E Palmen

Ann Zool Fenn 5(1):97-110 MAP REF

1968 410 AN712

Chironomidae, Insect behavior, Insect ecology, Insect taxonomy.

7667-69

ADAPTATIONS OF ARCTIC CHIRONOMIDAE. D R Oliver

Ann Zool Fenn 5(1):111-118 REF

1968 410 AN712

Chironomidae, Insect morphology.

CONTRIBUTION TO THE STUDY OF MOSQUITOES (DIPTERA, CULICINAE) OC-CURRING IN SOME AREAS OF CENTRAL AND SOUTH MORAVIA.

P Palicka

Acta Ent Bohemoslov 64(1):69-78 MAP REF

1967 420 C33

Culicidae, Czechoslovakia, Habitats, Population, Zoogeography.

7669-69

THE SECOND INTERNATIONAL SYMPOSIUM OF CHIRONOMID RESEARCH, HELSINKI 1967.

E Palmen

Ann Zool Fenn 5(1):1-3 1968 410 AN712

Chironomidae, Insect biology, Symposia.

THE ORIGIN OF HETEROGENEITY NEWLY-HATCHED POPULATIONS OF MIGRATING GRASSHOPPER, SCHISTOCER-GREGARIA FORSK. (GREGARIOUS PHASE). (FR)

Acad Sci Compt Rend Ser D Sci Nat 268(16, 1ST SEMESTER):2136-2138

21 Apr 1969 505 P21

Insect physiology, Larvae, Polymorphism, Population, Schistocerca gregaria, Statistical analysis.

ON THE ECOLOGY OF ZYGOPTERAN DRAGONFLY POPULATIONS.

M J Parr

Entomologist (london) 102(1272);114-116 REF May 1969 421 EN8

Insect ecology, Odonata, Population.

7672-69

APPLICATION OF THE EXPONENTIAL AND POWER FUNCTIONS TO THE STUDY OF ALLOMETRIC GROWTH, WITH PARTICULAR REFERENCE TO DORYLINE ANTS.

B S Pasternack R R Gianutsos Amer Natur 103(931, MAY-JUN):225-234 REF 30 Jun 1969 470 AM36

Formicidae, Insect physiology, Statistical analysis.

7673-69

THE EFFECTS OF CERTAIN ELEMENTS ON THE HOST-PATHOGEN RELATIONSHIP OF

PLODIA INTERPUNCTELLA (HBN.) AND BACILLUS THURINGIENSIS VAR. THURINGIENSIS BERLINER. (FR)

J M Perron W A Smirnoff L Huot

Natur Can 95(3,MAY-JUN):785-792 REF

Jun 1968 410 N216

Bacillus thuringiensis, Bacterial diseases (insects), Insect nutrition, Plodia interpunctella. English ab-

7674-69

BAGWORM PHOTOGRAPHS: EGGS, LARVAE, PUPAE, AND ADULTS OF THYRIDOPTERYX EPHEMERAEFORMIS (PSYCHIDAE: LEPIDOPTERA).

A Peterson

Fla Entomol 52(2):61-65

May 1969 420 F662

Insect behavior, Insect biology, Insect rearing, Photography, Thyridopteryx ephemeraeformis, Trichogramma.

A series of photographs is shown, illustrating the various stages in the unusual life cycle of the bagworm Thyridopteryx ephemeraeformis (Haworth) with special emphasis on eggs and their location, and on the structure and behavior of the females that may crawl out of pupae that have been removed from their bags. Notes are included on the use of single, clean bagworm eggs in rearing egg parasites, especially Trichogramma minutum Riley.

EFFECTS OF THE ELECTRICAL POLARIZATION OF THE SIXTH ABDOMINAL GANGLION OF THE COCKROACH (PERIPLANETA AMERICANA) ON THE ACTIVITY OF THE GIANT FIBERS. (FR)

Y Pichon J Boistel

Paris Soc Biol Compt Rend 160(8-9):1728-1732 04 Feb 1967 442.9 P21

Electrophysiology, Insect physiology, Nervous system, Periplaneta americana.

STUDY OF THE ISOLATED NERVE FIBRE OF INSECT. RECORD OF MEMBRANE AND ACTION POTENTIALS OF THE GIANT FIBRE OF THE COCKROACH, PERIPLANETA AMER-ICANA L.. (FR)

Y Pichon J Boistel

Paris Soc Biol Compt Rend 160(10):1948-1954 REF

20 Feb 1967 442.9 P21

Bio-electric potential, Insect physiology, Nervous system, Periplaneta americana.

ASPECTS OF THE MORPHOGENESIS, IN OR-GANOTYPICAL CULTURE IN VITRO, OF THE TRACHEAL SYSTEM IN DIPTERA CAL-LIPHORIDAE. (FR)

J C Pihan

Acad Sci Compt Rend Ser D Sci Nat 268(16, 1ST SEMESTER):2074-2077 REF

21 Apr 1969 505 P21

Calliphora vicina, Hormoncs, Insect histology, Insect morphology, Insect physiology, Larvae, Phaenicia, Trachea.

LIFE HISTORY AND HABITS OF THE DOGWOOD BORER, THAMNOSPHECIA SCITULA (LEPIDOPTERA: AEGERIIDAE) IN TENNES-SEE.

C D Pless W W Stanley

Tenn Acad Sci J 42(4):117-123

Oct 1967 500 T25A

Cornus, Insect behavior, Insect biology, Thamnosphecia.

7679-69

DIELDRIN AND DDT: EFFECTS ON SPARROW HAWK EGGSHELLS AND REPRODUCTION.

R D Porter S N Wiemeyer Science 165(3889):199-200 REF 11 Jul 1969 470 SCI2

Birds, Dieldrin, DDT, Eggs, Pesticides, Reproduc-

INFLUENCE OF CORPUS ALLATUM ON REPRODUCTION OF FEMALE IPHITA LIM-BATA STAL (HEMIPTERA).

V K K Prabhu P I Ittycheria K K Nayar Acta Ent Bohemoslov 64(5):335-343 REF 1967 420 C33

Blood, Corpora allata, Electrophoresis, Insect physiology, Iphita limbata, Reproduction.

7681-69

THE ECOLOGY OF A NATURAL POPULA-TION OF QUEENSLAND FRUIT FLY, DACUS TRYONI. II. THE DISTRIBUTION OF EGGS AND ITS RELATION TO BEHAVIOUR.

G Pritchard

Australian J Zool 17(2):293-311 REF Apr 1969 410 AU73

Dacus tryoni, Insect behavior, Ovulation.

7682-69

PRESENCE OF HAEMOCYANIN IN THE BLOOD OF A CENTIPEDE SCUTIGERA LONGICORNIS (CHILOPODA: MYRIAPODA).

G S Rajulu

Cur Sci 38(7):168-169

05 Apr 1969 475 SCI23

Biochemistry, Blood, Chilopoda, Hemocyanins.

RVIDENCE OF GOMORI NEGATIVE NEU-ROSECRETORY CELLS IN THE PARS INTER-CEREBRALIS OF MUSCA DOMESTICA L. BY A COMPARATIVE STUDY USING AN ORDINA-RY MICROSCOPE AND AN ELECTRON MICROSCOPE. (FR)

F Ramade

Acad Sci Compt Rend Ser D Sci Nat 268(15, 1ST SEMESTER):1945-1947

14 Apr 1969 505 P21

Brain, Electron microscopy, Endocrine glands, Glands (insects), Insect histology, Insect physiology, Musca domestica, Nervous system, Secretion.

THE STOMODAEAL NERVOUS SYSTEM OF CYBISTER CONFUSUS SHP. (DYTISCIDAE: COLEOPTERA).

D R Ranade

Cur Sci 38(7):170-171

05 Apr 1969 475 SCI23

Development, Dytiscidae, Insect physiology, Intestines, Larvae, Nervous system.

7685-69

OCCURRENCE OF D-SERINE IN ASEPTI-CALLY GROWN BOMBYX MORI.

D R Rao A H Ennor B Thorpe

Compar Biochem Physiol 21(3):709-711 REF Jun 1967 444.8 C73

Bombyx mori, Germ-free life, Insect biochemistry, Isomers, Serine.

STUDIES ON THE ALLOSTERIC CONTROL OF AN ENZYME INVOLVED IN INSECT TANNING.

A Retnakaran

Compar Biochem Physiol 29(3):965-974 REF Jun 1969 444.8 C73

Enzymes, Galleria mellonella, Insect metabolism, Radioactive tracers, Statistical analysis.

7687-69

EFFECT OF 6-AZAURIDINE ON THE DEVELOPMENT OF THE OVARIES IN THE HOUSE FLY MUSCA DOMESTICA L. (DIP-TERA).

B Rezabova V Landa

Acta Ent Bohemoslov 64(5):344-351 REF 1967 420 C33

Azauridine, 6-, Deoxyribonucleic acid, Insect biochemistry, Insect histology, Insect physiology, Musca domestica, Ovaries, Ribonucleic acid.

THE FEEDING HABITS OF HIGHER DIPTERAN LARVAE.

M J Roberts

Entomologist (london) 102(1272):99-106

May 1969 421 EN8

Diptera, Food habits, Insect behavior, Insect morphology, Larvae, Mouth parts.

PREDATORY BEHAVIOR OF ARGIOPE AR-GENTATA (FABRICIUS).

M H Robinson

Amer Zool 9(1):161-173 REF

Feb 1969 410 AM3

Argiope argentata, Insect behavior, Insect physiology, Lepidoptera, Predaccous insects, Spider wcbs, Spiders.

7690-69

COMPARATIVE MODIFICATIONS OF THE FIGURATIVE PARTS OF THE HEMOLYMPH OF THE SAHARA SCORPION, ANDROCTONUS AUSTRALIS (L.) HECTOR C. L. KOCH, SUBJECTED EITHER TO ENVIRONMENTAL STRESSES OR TO EXPERIMENTAL IRRADIA-TIONS. (FR)

J Rodier J M Veillard C Grenot P Blanc P

Niaussat

Paris Mus Nat Hist Natur Bull 39(1,SER 2):197-204

21 Jul 1967 410.9 P213

Blood analysis, Environment, Gamma rays, Scorpionida, Stress.

7691-69

A COMPARATIVE STUDY OF THE EMBRYONIC STAGES AT DIAPAUSE OF SOME SPECIES OF GRASSHOPPERS IN EAST TEN-NESSEE.

W G Russell

Tenn Acad Sci J 42(2):57-64

Apr 1967 500 T25A

Acrididae, Embryology, Inscct physiology.

OBSERVATIONS OF ODONTOPUS CAL-CEATUS (COLEOPTERA: CURCULIONIDAE), A LEAF MINER DAMAGING YELLOW-POPU-LAR.

W G Russell W W Stanley Tenn Acad Sci J 42(3):93-96 Jul 1967 500 T25A

Insect behavior, Liriodendron tulipifera, Odontopus calceatus, Tree injuries.

7693-69

ITALIAN CULICID VECTORS OF ARBOVIRUS. (IT)

G Sacca A Scirocchi M Balducci P Verani M C Lopes

Parassitologia 10(2-3,OCT-DEC):195-201 REF Dec 1968 436.8 P212

Aedes vexans, Arboviruscs, Culex pipiens, Inscct behavior, Insect vectors. English abstract.

VITAMIN A IN THE VISION OF TERMITES.

A Sannasi

Indian J Exp Biol 6(4):260-261

Oct 1968 442 8 IN2

Insect biochemistry, Insect physiology, Odontotermes redemanni, Termites, Vision, Vitamin a, Vitamin A aldehyde.

Vitamin A was identified in Termes redemanni, which like retinene, is confined to the head and not the thorax or abdomen. Negatively phototactic forms before swarming have little vitamin A but in positively phototactic swarming forms vitamin A increases at the expense of retinene.

ELECTRICAL MEASUREMENTS ON CUTICLES EXCISED FROM ADULT MALE PERIPLANETA AMERICANA (L.).

P O Scheic T Smythc Compar Biochem Physiol 21(3):547-571 REF Jun 1967 444.8 C73

Bio-electric potential, Cuticle, Electrophysiology, Periplaneta americana.

ENTOMOLOGY

7696-69

7696-69

THE CARABID FAUNA OF THE HOHER VOGELSBERG NATURE CONSERVATION PARK. (GE)

H Scherf

Entomol Bl 64(3):130-156 MAP REF

15 Feb 1969 421 EN833

Carabidae, Germany, Insect ecology, Surveys, Zoogeography.

7697-69

MOUNTAIN SYSTEMS AS CENTERS OF SPECIES FORMATION. (GE)

H Schweiger

Deut Entomol Z 16(1-3):159-174 MAP REF

01 May 1969 421 D48

Insect ecology, Insect evolution, Population.

7698-69

LICE.

D A Siddiqui

Sci Chronicle 6(4,JUL-SEP):19-21

Jul 1968 Q1.S33

Animals, Anoplura, Cattle, Insecticides.

7699-69

ON THE PREPARATION OF THE GENITALIA OF SHEPHERD SPIDERS. (GE)

V Silhavy

Deut Entomol Z 16(1-3):141-145

01 May 1969 421 D48

Extraction techniques, Insect physiology, Phalangida, Reproductive organs.

7700-69

JUMPING AS DEFENSIVE BEHAVIOR IN COLLEMBOLA. (GE) $\,$

H R Simon

Entomol Z 79(10):110-112

16 May 1969 421 EN85

Collembola, Insect behavior, Insect protective devices.

7701-69

ON THE PRACTICAL SIGNIFICANCE OF BIOLOGIC FEEDING INVESTIGATIONS OF PREDATORY COLEOPTERA. (GE)

R Simon

Entoinol Z 79(1-2):7-10 15 Jan 1969 421 EN85

Coleoptera, Food habits, Predaceous insects.

7702-69

WHOLE TOWN TREATMENT FOR FRUIT FLY CONTROL.

A H Skepper R Sweedman

Agr Gaz New S Wales 79(12):705-709

Dec 1968 23 N472

Attractants, Baits, Chemical control (insects), Costs, Spraying, Tephritidae.

7703-69

CHIRONOMIDAE ECOLOGY IN THE UTSCHARESERVOIR. (GE)

N Sokolowa

Ann Zool Fenn 5(1):139-143 REF

1968 410 AN712

Chironomidae, Insect ecology, Insect eggs, Insect morphology.

7704-69

THE TERMINOLOGY OF THE PHENOMENA CONNECTED WITH THE WEATHER IN ECOLOGY. (FR)

A Sournia S Frontier

Paris Mus Nat Hist Natur Bull 39(5,SER 2):1001-1002

25 Apr 1968 410.9 P213

Ecology, Nomenclature, Weather.

7705-69

QUALITATIVE ESTIMATION OF DIGESTIVE ENZYMES IN MIDGUT OF GRYLLODES SIGILLATUS WALKER.

R P Srivastava

Beitr Entomol 17(5-8):651-652

1967 421 B392

Amylases, Glucosidase, alpha-, Gryllodes sigillatus, Insect biochemistry, Invertase, Lactase, Proteinases.

7706-69

THE EVOLUTION AND SIGNIFICANCE OF THE EPIZOIC MODE OF LIFE IN CHIRONOMIDAE-LARVAE (DIPTERA). (GE)

A W Steffan

Ann Zool Fenn 5(1):144-150 REF

1968 410 AN712

Aquatic insects, Chironomidae, Diptera, Feeding habits (insects), Insect evolution, Larvac, Phoresy, Symbiosis.

7707-69

MORPHOLOGICAL ADAPTATIONS OF THE HEAD AND MANDIBLES OF SOME COLEOP-TEROUS LARVAE BURROWING SOLID SUB-STRATES (COLEOPTERA).

B R Striganova

Beitr Entornol 17(5-8):639-649 REF

1967 421 B392

Coleoptera, Head, Insect adaptation, Insect morphology, Larvae, Mouth parts.

7708-69

A PECULIAR SWARMING MECHANISM OF AN ARCTIC CHIRONOMID (DIPTERA) AT SPITSBERGEN.

J Syrjamaki

Ann Zool Fenn 5(1):151-152

1968 410 AN712

Chironomidae, Insect behavior, Swarming.

7709-69

BIOLOGY OF THE EUROPEAN CHAFER, AMPHIMALLON MAJALIS (COLEOPTERA: SCARABAEIDAE) IN NORTHEASTERN UNITED STATES.

H Tashiro G G Gyrisco F L Gambrell B J Fiori H

N Y (state) Agr Exp Sta Bull (828):71P REF

Jun 1969 100 N48 (2) Amphimallon majalis, Attractants, Host plants, Insect biology, Insect diseases, Insect histology, Larvae, Microorganisms, Parasitism.

7710-69

ELECTROPHORESIS AND IMMUNODIFFU-SION OF PROTEINS FROM THE HEMOLYMPH OF THE LARGE MILKWEED BUG, ONCOPELTUS FASCIATUS (DALLAS) (HEMIPTERA, LYGAEIDAE).

M L Terando D Feir

Compar Biochem Physiol 20(2):431-436 REF Feb 1967 444.8 C73

Blood, Electrophoresis, Immunochemistry, Oncopeltus fasciatus, Proteins.

7711-69

IMMUNOELECTROPHORESIS OF PROTEINS IN THE HEMOLYMPH OF THE LARGE MILK-WEED BUG, ONCOPELTUS FASCIATUS (DALLAS).

M L Terando D Feir

Compar Biochem Physiol 21(1):31-38 REF

Apr 1967 444.8 C73

Blood, Electrophoresis, Insect biochemistry, Metamorphosis, Oncopeltus fasciatus, Proteins.

7712-69

CONTRIBUTION TO THE STUDY OF THE LARVAL TRACHEATION OF THE EMPIDIDAE (DIPTERA, ORTHORRAPHIDAE): ITS INTEREST FROM THE PHYLOGENETIC AND ECOLOGICAL POINTS OF VIEW. (FR)

P Trehen

Acad Sci Compt Rend Ser D Sci Nat 268(15, 1ST SEMESTER):1965-1968

14 Apr 1969 505 P21

Development, Empididae, Insect adaptation, Insect ccology, Insect evolution, Insect morphology, Larvae, Trachea.

7713-69

CHANGES TAKING PLACE IN THE RESPIRATORY EFFICIENCY OF ISOLATED FLIGHT MUSCLE SARCOSOMES, ASSOCIATED WITH

THE AGE OF THE BLOWFLY, CALLIPHORA ERYTHROCEPHALA.

M A Tribe

Compar Biochem Physiol 23(2):607-619 REF

Nov 1967 444.8 C73

Aging, Calliphora vicina, Insect metabolism, Muscles, Respiration.

7714-69

LOCOMOTOR ACTIVITY IN DROSOPHILA--V. A COMPARATIVE BIOCHEMICAL STUDY OF SELECTIVELY BRED POPULATIONS.

G Tunnicliff J T Rick K Connolly

Compar Biochem Physiol 29(3):1239-1245 REF Jun 1969 444.8 C73

Drosophila melanogaster, Insect behavior, Insect biochemistry, Insect rearing, Population.

7715-69

THE TOXIC EFFECT OF THREE ORGANOPHOSPHATE INSECTICIDES ON FEMALE LEBISTES RETICULATUS PETERS. (GE)

J Veger

Cesk Spolecnosti Zool Vestnik 31(1):88-95

Feb 1967 410.9 C33

Ekatin, Fish, Insecticides, Lebistes, Malathion, Organophosphorus compounds, Toxicology, Trichlorfon.

7716-69

BLACK DISEASE OF BOMBUS HYPNORUM. PRELIMINARY COMMUNICATION. (GE)

R Wagner

Hamburg Zool Staatsinst Zool Mus Entomol Mitt 3(64):5-6

30 Apr 1969 421 H17

Black disease, Bombus, Insect diseases.

7717-69

THE FINE STRUCTURE OF THE SPORES OF NOSEMA APIS. (GE)

W Wildfuhr W Fritzsch

Angew Parasitol 10(1):39-52 REF

Feb 1969 436.8 AN4

Cytology, Electron microscopy, Nosema apis, Spores. English and Russian abstracts.

7718-69

L T Wimer

A COMPARISON OF THE CARBOHYDRATE COMPOSITION OF THE HEMOLYMPH AND FAT BODY OF PHORMIA REGINA DURING LARVAL DEVELOPMENT.

Compar Biochem Physiol 29(3):1055.1062 REF Jun 1969 444.8 C73

Jun 1969 444.8 C73
Blood, Carbohydrates, Fat body, Insect biochemistry, Larvae, Metamorphosis, Phormia regina.

7710 (0

OVIPOSITION IN DDT RESISTANT AND SUSCEPTIBLE STRAINS OF AEDES AEGYPTI (L.) IN RELATION TO LIGHT PREFERENCE.

R J Wood Bull Entomol Res 52(3):541-560, BIBL. 558-560, TABS.

Oct 1961 421 B87

Aedes aegypti, DDT, Lighting, Oviposition.

7720-6

LABORATORY CULTURE OF CHIRONOMID SPECIES FROM THE HULA NATURE PRESERVE, ISRAEL.

D Wool J Kugler

Ann Zool Fenn 5(1):153-154

1968 410 AN712

Chironomidac, Insect cultures, Insect morphology, Insect rearing, Larvae.

7721-6

OBSERVATIONS ON PHORESY IN LAM-PROCHERNES NODOSUS (SCHRANK). (GE) E Zielke

Hamburg Zool Staatsinst Zool Mus Entomol Mitt 3(64):1-3

30 Apr 1969 421 H17

Chernetidae, Diptera, Insect physiology, Phoresy.

7722-69

ON THE ABSENCE OF CIRCADIAN RHYTHMICITY IN DROSOPHILA PSEUDOOB-SCURA PUPAE.

W F Zimmerman

Biol Bull 136(3):494-500 REF

Jun 1969 442.8 B52

Diurnal rhythm, Drosophila pseudoobscura, Insect behavior, Light, Pupae, Temperature.

GENETICS

7723-69

PATTERNS OF RIBONUCLEIC ACID SYNTHE-SIS IN SALIVARY GLANDS OF RHYNCHOSCIARA ANGELAE LARVAE DUR-ING DEVELOPMENT.

H A Armelin R Meneghini F J S Lara

Genet Soc Amer Rec 61(1,PT 2,SUPPL):351-360 REF

1969 442.9 G28

Development, Larvae, Cytogenetics, Rhynchosciara, Ribonucleic acid, Salivary glands (insects), Synthesis.

PATTERNS OF PUFFING ACTIVITY IN THE SALIVARY GLAND CHROMOSOMES OF DROSOPHILA. I. AUTOSOMAL PUFFING PATTERNS IN A LABORATORY STOCK OF DROSOPHILA MELANOGASTER.

M Ashburner

Chromosoma 21(4):398-428 REF

06 Jun 1967 442.8 C46

Chromosomes, Drosophila melanogaster, Insect genetics, Metamorphosis, Molting (insects), Salivary glands (insects).

SOME ASPECTS OF THE BOBBED PROBLEM IN DROSOPHILA.

K C Atwood

Genet Soc Amer Rec 61(1,PT 2,SUPPL):319-327 REF

1969 442.9 G28

Drosophila melanogaster, Genes, Insect genetics, Ribosomes.

GENETIC MARKERS IN THE BOLL WEEVIL.

A C Bartlett

J Hered 58(4,JUL-AUG):159-162 REF

Aug 1967 442.8 AM3

Anthonomus grandis, Genes, Insect genetics, Insect morphology, Insect mutation.

DEVELOPMENTAL **CONTROL** HETEROCHROMATIZATION IN COCCIDS.

S W Brown

Genet Soc Amer Rec 61(1,PT 2,SUPPL):191-198 REF

1969 442.9 G28

Chromosomes, Coccidae, Development, Insect genetics.

7728-69

POLYTENE CHROMOSOMES OF OVARIAN NURSE CELLS OF THE GAMBIAE COMPLEX OF THE GENUS ANOPHELES. (IT)

M Coluzzi

Parassitologia 10(2-3,OCT-DEC):179-183 REF Dec 1968 436.8 P212

Anopheles gambiae, Chromosomes, Cytogenetics, Insect genetics, Meiosis, Ovaries. English abstract.

CYTOGENETIC OBSERVATIONS ON SPECIES C OF THE ANOPHELES GAMBIAE COMPLEX. M Coluzzi A Sabatini

Parassitologia 10(2-3,OCT-DEC):155-165 REF

Dec 1968 436.8 P212

Anopheles gambiae, Chromosomes, Cytogenetics, Insect genetics.

7730-69

A NEW GENE ARRANGEMENT IN THE THIRD CHROMOSOME OF DROSOPHILA PSEU-DOOBSCURA.

D W Crumpacker C D Kastritsis J Hered 58(1.JAN-FEB):3-6

Feb 1967 442 8 AM3

Chromosomes, Drosophila pseudoobscura, Genes, Insect genetics.

7731-69

THE EFFECTS OF X-RAYS ON THE CHROMOSOMES OF LOCUST EMBRYOS. III. THE CHROMATID ABERRATION TYPES.

D P Fox

Chromosoma 20(4):386-412 REF

16 Feb 1967 442.8 C46

Chromatin, Insect eggs, Insect genetics, Mutation, Schistocerca gregaria, X-rays.

THE EFFECTS OF X-RAYS ON THE CHROMOSOMES OF LOCUST EMBRYOS. IV. DOSE-RESPONSE AND VARIATION IN SENSITIVITY OF THE CELL CYCLE FOR THE INDUCTION OF CHROMATID ABERRATIONS. D P Fox

Chromosoma 20(4):413-441 REF

16 Feb 1967 442.8 C46

Chromatin, Chromosomes, Dosage, Insect eggs, Insect genetics, Schistocerca gregaria, X-rays.

CELL DIFFERENTIATION IN THE SALIVARY GLANDS OF CAMPTOCHIRONOMUS TENTANTS AND C. PALLIDIVITTATUS.

U Grossbach

Ann Zool Fenn 5(1):37-40 REF

1968 410 AN712

Chironomidae, Chromosomes, Cytology, Insect genetics, Salivary glands (insects).

MORPHOLOGICAL VARIABILITY OF THE CHROMOSOMAL FUNCTIONAL STRUC-CHROMOSOMAL FUNCTIONAL STRUCTURES IN THE SPERMATOCYTE NUCLEI OF DROSOPHILA SPECIES. (GE)

O Hess

Chromosoma 21(4):429-445 REF

06 Jun 1967 442.8 C46

Cell nucleus, Chromosomes, Drosophila, Insect genetics, Insect morphology, Spermatocytes. English abstract.

THE B-CHROMOSOME SYSTEM OF MYR-MELEOTETTIX MACULATUS (THUNB.). III. THE STATISTICS.

G M Hewitt B John

Chromosoma 21(2):140-162 MAP REF

21 Mar 1967 442.8 C46

Chromosomes, Insect genetics, Myrmeleotettix maculatus, Population, Rainfall, Statistical analysis, Temperature.

ACTINOMYCIN D INDUCED CHROMOSOME BREAKAGE AND SUPPRESSION OF MEIOSIS IN THE LOCUST, SCHISTOCERA GREGARIA.

H K Jain U Singh

Chromosoma 21(4):463-471 REF

06 Jun 1967 442.8 C46

Actinomycin d, Chromosomes, Insect genetics, Meiosis, Schistocerca gregaria.

7737-69

KARYOTYPE VARIATION IN DERMESTID BEETLES.

B John D D Shaw

Chromosoma 20(4):371-385 REF

16 Feb 1967 442.8 C46

Chromosomes, Dermestidae, Insect genetics, Polymorphism.

FUNCTIONAL STRUCTURES IN OOCYTE NUCLEI OF LOCUSTA MIGRATORIA. (GE) W Kunz

Chromosoma 20(3):332-370 REF

27 Jan 1967 442.8 C46

Autoradiography, Cell nucleus, Chromosomes, Insect eggs, Locusta migratoria. English abstract.

CYTOCHEMICAL INVESTIGATIONS ON PUFFS ISOLATED FROM SALIVARY GLAND CHROMOSOMES OF CHIRONOMUS. (GE)

M Lezzi

Chromosoma 21(1):89-108 REF

02 Mar 1967 442.8 C46

Chironomus tentans, Chromosomes, Insect biochemistry, Insect genetics, Salivary glands (insects). English abstract.

7740-69

AMPLIFICATION OF RIBOSOMAL CISTRONS IN THE HETEROCHROMATIN OF ACHETA.

A Lima-de-Faria M Birmstiel H Jaworska Genet Soc Amer Rec 61(1,PT 2,SUPPL):145-159 REF

1969 442.9 G28

Acheta domesticus, Chromosomes, Deoxyribonucleic acid, Genes, Insect genetics, Ribosomes. Chromosomes,

HERITABILITY OF SPOT-NUMBER IN SCILLONIAN STRAINS OF THE MEADOW BROWN BUTTERFLY (MANIOLA JORTINA).

K McWhirter

Heredity 24(2):314-318

May 1969 443.8 H42

Inheritance, Insect genetics, Insect morphology, Maniola jurtina, Satyridae, Statistical analysis.

COMPLEX SEX-DETERMINING MECHANISMS IN THREE SPECIES OF SOUTH AMERICAN GRASSHOPPERS (ORTHOPTERA, ACRIDOIDEA).

A Mesa R S de Mesa

Chromosoma 21(2):163-180 MAP REF

21 Mar 1967 442.8 C46

Acridoidea, Chromosomes, Insect genetics, Sex.

STOCHASTIC SIMULATION THE OF TRIBOLIUM POPULATIONS.

B S Niven

Physiol Zool 40(1):67-82 REF

Jan 1967 410 P56

Insect genetics, Mathematical analysis, Population, Tribolium castaneum.

7744-69

PHASE TRANSFORMATION AND CHIASMA FORMATION IN LOCUSTS.

D.J. Nolte

Chromosoma 21(2):123-139 MAP REF

21 Mar 1967 442.8 C46

Chromosomes, Insect behavior, Insect genetics, Locusta migratoria migratorioides, Meiosis. Polymorphism.

THE NUCLEOLAR DNA OF THREE SPECIES OF DROSOPHILA IN THE HYDEI COMPLEX.

O Olvera R Genet Soc Amer Rec 61(1,PT 2,SUPPL):245-249 1969 442.9 G28

Cell nucleus, Deoxyribonucleic acid, Drosophila hydei, Insect genetics.

HETEROZYGOOS PUFFS IN SCIARA OCEL-LARIS.

A L P Perondini E M Dessen

Genet Soc Amer Rec 61(1, PT 2, SUPPL):251-259 REF

1969 442.9 G28

Autoradiography, Chromosomes, Cytogenetics, Insect genetics, Polymorphism, Sciara.

A MOLECULAR APPROACH TO THE STUDY OF GENIC HETEROZYGOSITY IN NATURAL

BIBLIOGRAPHY

7748-69

POPULATIONS, III. DIRECT EVIDENCE OF COADAPTATION IN GENE ARRANGEMENTS OF DROSOPHILA.

S Prakash R C Lewontin

Nat Acad Sci Proc 59(2):398-405 REF

Feb 1968 500 N21P

Drosophila, Electrophoresis, Enzymes, Insect evolution, Insect genetics.

7748-69

THE POLYTENIC CHROMOSOMES OF THE BRISTLE FORMING CELL OF CALLIPHORA ERYTHROCEPHALA WITH SPECIAL CONSIDERATION ON THE SEX-LINKED HETEROZYGOUS STRUCTURE AND THE PUFF MODEL DURING METAMORPHOSIS. (GE)

D Ribbert

Chromosoma 21(3):296-344 REF

12 May 1967 442.8 C46

Calliphora vicina, Chromosomes, Insect genetics, Meiosis, Metamorphosis, Polyploidy. English abstract.

7749-69

HERITABILITY OF PHOTOTACTIC AND GEOTACTIC RESPONSES IN DROSOPHILA PSEUDOOBSCURA.

R C Richmond

Amer Natur 103(931, MAY-JUN):315-316

30 Jun 1969 470 AM36

Drosophila pseudoobscura, Geotropism, Insect behavior, Insect genetics, Phototropism.

7750-69

EQUILIBRIUM VARIATIONS IN THE REDUNDANCY OF DNA IN DROSOPHILA MELANOGASTER.

F M Ritossa G Scala

Genet Soc Amer Rec 61(1,PT 2,SUPPL):305-317 REF

1969 442.9 G28

Drosophila melanogaster, Insect biochemistry, Insect genetics, Ribonucleic acid, Ribosomes.

7751-69

NON REPLICATING DNA IN DROSOPHILA.

G T Rudkin

Genet Soc Amer Rec 61(1,PT 2,SUPPL):227-238 REF

1969 442.9 G28

Chromosomes, Cytogenetics, Deoxyribonucleic acid, Drosophila melanogaster, Spectrophotometry.

7752-69

MUTANT TRAITS OF THE LARVAL AND PUPAL STADIA OF THE WAX MOTH.

T L Smith

J Hered 58(4,JUL-AUG):179-184

Aug 1967 442.8 AM3

Galleria mellonella, Insect genetics, Insect morphology, Insect mutation, Larvae, Pupae.

7753-69

STUDIES IN AGING: IV. GENETIC CONTROL OF PIGMENT ACCUMULATION AND ITS BEARING ON THE ADULT LIFE SPAN IN DROSOPHILA MELANOGASTER.

K C Sondhi

J Hered 58(1,HJAN-FEB):47-52 REF

Feb 1967 442.8 AM3

Aging, Drosophila melanogaster, Insect genetics, Insect morphology, Longevity, Pigments (insect), Population.

7754-69

STUDIES IN AGING, VI. GENES, DEVELOP-MENTAL ENVIRONMENT, AND THE EXPRES-SION OF AGING PROCESSES IN DROSOPHILA MELANOGASTER.

K C Sondhi

Nat Acad Sci Proc 59(3):785-791 REF

Mar 1968 500 N21P

Aging, Development, Drosophila melanogaster, Genes, Insect genetics.

7755-69

PSEUDO-MULTIPLE FORMATION AS A CONSEQUENCE OF PROLONGED NON-HOMOLOGOUS CHROMOSOME ASSOCIATION IN METRIOPTERA BRACHYPTERA.

D I Southern

Chromosoma 21(3):272-284

12 May 1967 442.8 C46

Chromosomes, Insect genetics, Meiosis, Tettigoniidae.

7756-69

MUTATION IN DROSOPHILA BY METHYLAZOXYMETHANOL, THE AGLYCONE OF CYCASIN.

H J Teas J G Dyson

Soc Exp Biol Med Proc 125(3):988-990

Jul 1967 442.9 SO1

Drosophila melanogaster, Insect genetics, Insect mutation, Mutagens.

7757-69

INHERITANCE OF DDT RESISTANCE IN CULEX PIPIENS FATIGANS WIEDEMANN.

V Thomas

J Econ Entomol 59(4):779-786

Aug 1966 421 J822

Culex pipiens quinquefasciatus, DDT, Heredity, Insecticide resistant insects.

7758-69

HONEY BEE DRONES WITH JET BLACK BODIES.

K W Tucker H H Laidlaw

J Hered 58(4,JUL-AUG):184-185

Aug 1967 442.8 AM3

Apis mellifera, Cuticle, Insect genetics, Insect morphology, Pigments (insect).

7759-69

SUPERNUMERARY CHROMOSOMES IN THE HUMAN BED BUG, CIMEX LECTULARIUS LINN. (CIMICIDAE: HEMIPTERA).

N Ueshima

Chromosoma 20(3):311-331 REF

27 Jan 1967 442.8 C46

Chromosomes, Cimex lectularius, Insect evolution, Insect genetics, Zoogeography.

MEDICAL ENTOMOLOGY

7760-69

SELECTIVE CONTROL OF SIMULIUM DAM-NOSUM AND RIVER MANAGEMENT.

W E Kershaw

Entomologist (london) 102(1272):98

May 1969 421 EN8

Chemical control (insects), DDT, Human diseases, Insect vectors, Nematodes, Onchocerca volvulus, Simulium damnosum.

CROP PROTECTION

7761-69

DISEASE AND INSECT CONTROL; SPRAY SCHEDULES FOR THE CONTROL OF PESTS IN BACKYARD FRUITS.

B F Janson H Y Forsythe R L Miller B M Jones G W Still

Ohio State Univ Ext Leafl (L-1, REV):8P

Apr 1969 275.29 OH32EL

Carbamates, Chemical control (pests), Chemical control (plant diseases), Chlorinated hydrocarbons, Fruit, Pesticide safety, Spraying equipment.

7762-69

1968 VEGETABLE CROP INVESTIGATIONS IN SOUTHWEST KANSAS.

M T Jones

Kan Agr Exp Sta Rep Progr (143):22P Mar 1969 100 K133P Crop yields, Crops, Horticulture, Plant adaptation, Seeds, Vegetables.

7763-69

TESTING OF FUNGICIDES AND INSECTI-CIDES 1967. (DA)

E Noddegaard T Hansen A N Rasmussen

Tidsskr Plant 72(3):273-321

968 11 T439

Fungicides, Greenhouses, Insecticides, Plant nematodes, Plant protection, Seed treatment, Soil sterilization, Storage. English summary.

Results of annual testing of pesticides. Many pesticides, insects and fungus diseases are listed.

7764-6

A NEW METHOD FOR CONTROLLING TREE SIZE .

F D Rauch J P Mahlstede Iowa Farm Sci 23(11):7-8 May 1969 275.28 IO94

Chemicals, Trees. English summary.

DISEASES

7765-69

MEMORANDUM ON PLANT PATHOLOGY. (SP

M G Alvarez

Fitofilo 21(57,JAN-MAR):23-32

Mar 1968 421 F55

Chemical control (plant diseases), Plant disease control, Plant disease resistance, Vegetables.

7766-69

LOOSE SMUT OF OATS.

Anonymous

Agr Gaz New S Wales 80(2):BACK COVER Feb 1969 23 N472

Fungus diseases (plants), Loose smut, Oats, Plant disease resistance, Ustilago hordei.

The most satisfactory method of controlling loose smut is by the use of resistant or tolerant oat varieties such as Acacia, Avon, Ballidu, Bundy, Garry, Kent, Mugga, Belah, Coolibah, Dale, and Fulmark.

7767-69

BLACKLEG OF CABBAGE, CAULIFLOWER AND RELATED PLANTS. (LEPTOSPHAERIA MACULANS).

Anonymous

Agr Gaz New S Wales 80(9):BACK COVER

Apr 1969 23 N472

Blackleg, Cabbage, Cauliflower, Cultural control (plant diseases), Fungus diseases (plants), Leptosphaeria.

7768-69

STRUCTURES DERIVED FROM COWPEA CHLOROTIC MOTTLE AND BROME MOSAIC VIRUS PROTEIN.

J B Bancroft C E Bracker G W Wagner Virology 38(2):324-335 REF

Jun 1969 448.8 V81

Bromus, Cowpeas, Mosaic, Mottle (cowpeas), Proteins, Viruses. English summary.

7740 40

INTENSIVE FIELD COMPARISON OF FUNGICIDES FOR APPLE MILDEW CONTROL.

M Bennett M H Moore

East Malling Res Sta Annu Rep (A51):145-150 1968 103 EA7

Apples, Binapacryl, Chemical control (plant diseases), Fungicides, Lime, Methyl-2,3-quinoxalinedithiol cyclic carbonate, 6-, Podosphaera leucotricha, Sulfur.

7770-69

PHYTOPHTHORA CINNAMOMI RANDS ON CONIFERS IN NEW SOUTH WALES.

A I Bertus

Agr Gaz New S Wales 79(12):751-754
Dec 1968 23 N472

7792-69

Conifers, Fungus diseases (plants), Phytophthora cinnamomi, Plant disease resistance, Root rot.

CONTROL OF ANTHRACNOSE OF GRAPES IN THE TRANSVAAL.

B H Boelema

S Afr J Agr Sci 11(3):567-574 REF

Sep 1968 24 SU3

Anthracnose, Copper compounds, Elsinoe ampelinum, Folpet, Fungicides, Fungus diseases (plants), Grapes, Mildew (plants), Uncinula neca-

Both organic and copper fungicides gave satisfactory control of anthracnose of grapes (Sphaceloma ampelinum) in field trials conducted at the Horticultural Research Institute, Pretoria. The copper fungicides were phytotoxic, the fixed coppers more so than homemade Bordeaux mixture. Most of the organic fungicides encouraged the development of mildew (Oidium tuckeri). Folpet was the only fungicide that, in controlling anthracnose, did not encourage mildew; it was not phytotoxic.

DISEASE RESISTANCE BREEDING.

R D Brock

Australian Inst Agr Sci J 33(2):72-76 REF Jun 1967 23 AU74

Plant breeding, Plant disease resistance, Plant diseases, Plant genetics, Potatoes, Tobacco, Wheat.

PHYTOPHTHORA INFESTANS SPORANGIAL GERMINATION AND TUBER ROT REDUCED BY SOIL RESIDUES OF FUNGICIDES.

R C Cetas S S Leach

Amer Potato J 46(5):174,178, 182

May 1969 75.8 P842

Difolatan, Fungicides, Late blight (potatoes), Phytophthora infestans, Seed germination, Soil treatment, Soils.

TESTING CHERRY ROOTSTOCKS FOR RE-SISTANCE TO INFECTION BY RASPBERRY AND CHERRY LEAF ROLL RINGSPOT VIRUSES.

R. Cropley

East Malling Res Sta Annu Rep (A51):141-143

1968 103 EA7

Cherries, Crop varieties, Leaf roll, Plant breeding, Plant disease resistance, Ring spot, Virus diseases (plants).

7775-69

THE UREDINALES ON MEXICAN GRAMINEAE.

G B Cummins

Southwest Natur 12(1):70-86

20 Apr 1967 409.6 SO8

Fungus diseases (plants), Grasses, Taxonomy, Uredinales.

SCREENING OF INDIAN PLANTS FOR **BIOLOGICAL ACTIVITY: PART I.**

M L Dhar M M Dhar B N Dhawan Mehrotra C

Indian J Exp Biol 6(4):232-247 REF

Oct 1968 442.8 1N2

Biological assay, Drug plants, Plant extracts.

Two hundred and eighty-five botanically identified plant materials have been extracted with 50 per cent ethanol and put through a wide biological screen of 61 tests. These include tests for antibacterial, antifungal, antiviral, antihelminthic, antiprotozoal, anticancer, antifertility, hypoglycaemic and a wide range of pharmacological activities.

ROOT ROT OF YOUNG MAIZE PLANTS--THE CASUAL FUNGI.

J J Du Toit S Afr J Agr Sci 11(3):595-604 REF

Sep 1968 24 SU3

Fungus diseases (plants), Fusarium moniliforme, **Fusarium** oxysporum, Helminthosporium, Pathogenicity, Root rot.

BACTERIAL SPOT OF IVY CAUSED BY XANTHOMONAS HEDERAE (ARNAUD, 1920) DOWSON, 1939, IN NEW ZEALAND.

New Zealand J Sci 10(2):481-485

Jun 1967 514 N482

Bacterial diseases (plants), Hedera, Xanthomonas.

Bacterial spot of ivy caused by the organism Xanthomonas hederae is recorded in New Zealand for the first time. The symptoms consist of large cir-cular to angular leaf lesions frequently surrounded by chlorotic areas, leaf wilting and defoliation.

BASES OF DEFFERENTIATING SCLEROSPORA PHILIPPINENSIS WESTON AS A SPECIES DISTINCT FROM SCLEROSPORA SACCHARI MIYAKE.

F A Elazegui O R Exconde

Philippine Agr 51(10):767-778

Mar 1968 25 P542

Biology, Corn, Fungus diseases (plants), Sclerospora, Sugarcane, Taxonomy.

FUNGAL ROOT ROTS, LEAF SPOTS AND BOLL ROT OF COTTON IN THE ORD VALLEY, NORTH WESTERN AUSTRALIA.

J P Evenson R Doepel

Empire Cotton Growing Rev 46(1):49-52 REF Jan 1969 72.8 EM7

Boll rot (cotton), Cotton, Fungus diseases (plants), Leaf spot, Root rot.

7781-69

BACTERIA BACTERIA ASSOCIATED WITH FROST-DAMAGED APPLE BLOSSOMS.

C M E Garrett

East Malling Res Sta Annu Rep (A51):139-140 1968 103 EA7

Apples, Bacterial diseases (plants), Frost, Pears, Pseudomonas.

UTILIZATION OF OLIGOSACCHARIDES BY TWO PATHOGENIC ISOLATES OF COL-LETOTRICHUM DEMATIUM.

A K Ghosh

Lloydia 30(3):280-283

Sep 1967 442.8 L77

Colletotrichum dematium, Fungus diseases (plants), Oligosaccharides, Plant metabolism.

THE INFLUENCE OF SOIL CONDITIONS ON DEVELOPMENT OF RHIZOCTONIA SOLANI, KUHN, ON TOBACCO.

W F T Hartill

Rhodesia J Agr Res 6(2):77-79

1968 24 R3472 (1)

Chemical control (plant diseases), Chlorinated hydrocarbons, Fungus diseases (plants), Meloidogyne incognita, Meloidogyne javanica, Methyl bromide, Rhizoctonia solani, Soil fumigation, Soil moisture, Tobacco.

7784-69

PLANT ANALYSES UNCOVER HIDDEN HUNGER IN INDIANA.

E L Hood

Better Crops Plant Food 43(1):19

1969 6 B46

Alfalfa, Boron, Corn, Crops, Limestone, Manganese, Nitrogen, Plant analysis, Potassium, Soybeans.

7785-69

FIRE AS AN AGENT IN THE ESTABLISHMENT OF A PLANT DISEASE.

M Jalaluddin

Pakistan J Sci 20(1-2, JAN-MAR):42-44

Mar 1968 475 P172

Air-borne plant diseases, Coniferae, Fires, Plant disease transmission, Plant physiology, Rhizinia in-

The heating of soil around fires where very little ash is deposited often increases the number of fruitifications of Rhizina, the agent of group dying of conifers, in the area, from which wind can carry spores to the burned area. The life cycle and growth experiments in soils from fire sites are discussed.

7786-69

THE EFFECTS OF SOME SOIL-BORNE FUNGI ON THE SEX RATIO OF HETERODERA ROSTOCHIENSIS ON TOMATO.

V Ketudat

Nematologica 15(2):229-233 REF

May 1969 436.8 N342

Fungus diseases (plants), Heterodera rostochiensis, Population, Rhizoctonia solani, Sex, Soil-borne plant diseases, Tomatoes, Verticillium albo-atrum.

SOME OBSERVATIONS OF PEA ENATION MOSAIC VIRUS ISOLATED IN SLOVAKIA. (CZ

B A Kvicala

Biologia (bratislava) 22(10):738-750 REF

1967 442.8 B5265

Acyrthosiphon pisum, Host indexing (plants), Insect vectors, Mosaic, Peas, Virus diseases (plants). English and Russian abstracts.

7788-69

TRANSMISSION OF PEA LEAF ROLLING VIRUS BY APHIDS.

B A Kvicala M Musil

Biologia (bratislava) 22(1):10-15

1967 442.8 B5265

Acyrthosiphon pisum, Aphis craccivora, Aphis fabae, Insect vectors, Leaf roll, Myzus persicae, Peas, Plant disease transmission, Virus diseases (plants).

7789-69

DIFFERENCE IN THE TRANSMISSION OF PEA LEAF ROLLING VIRUS BY TWO STRAINS OF PEA APHID ACYRTHOSIPHON PISUM HAR-RIS.

B A Kvicala

Biologia (bratislava) 22(11):803-807 REF

1967 442.8 B5265

Acyrthosiphon pisum, Insect vectors, Leaf roll, Peas, Plant disease transmission, Virus diseases (plants).

7790-69

VECTOR-VIRUS RELATIONSHIP OF TWO LESS KNOWN APHID VECTORS OF PEA MOSAIC VIRUS.

B A Kvicala

Biologia (bratislava) 22(8):566-571 REF 1967 442.8 B5265

Brachycaudus helichrysi, Cryptomyzus ribis, Insect vectors, Mosaic, Peas, Plant disease transmission, Virus diseases (plants).

7791-69

SELF-CONSTRUCTION OF RNA EXTRACTS OF THREE DIFFERENT VIRUSES AND OF THE PROTEIN SUB-UNITS OF THE LUCERNE (ALFALFA) MOSAIC VIRUS,. (FR)

G Lebeurier M Wurtz L Hirth Acad Sci Compt Rend Ser D Sci Nat 268(15, 1ST SEMESTER):2002-2005

14 Apr 1969 505 P21 Alfalfa, Biochemistry, Mosaic, Proteins, Ribonucleic acid, Virus diseases (plants).

THE PROTEIN SUBUNIT OF THE SATELLITE TOBACCO NECROSIS VIRUS.

J Lesnaw M E Reichmann

Virology 38(2):368-369 Jun 1969 448.8 V81

Necrosis, Proteins, Tobacco, Viruses.

CROP PROTECTION

7793-69

7793-69

NUCLEAR CHANGES IN MESOPHYLL CELLS OF GOMPHRENA GLOBOSA L. ASSOCIATED WITH INFECTION BY BEET MOSAIC VIRUS.

G P Martelli M Russo

Virology 38(2):297-308 REF

Jun 1969 448.8 V81

Beets, Gomphrena globosa, Mosaic, Viruses. English summary.

7794-69

TOXIC METABOLITES PRODUCED BY FUNGI IMPLICATED IN MYCOTOXICOSES.

C J Mirocha C M Christensen G H Nelson

Biotechnol Bioeng 10(4):469-471

Jul 1968 381 J822

Fungi, Metabolites, Mycotoxicosis, Toxicology. English summary.

7795-69

A FIELD COMPARISON OF FUNGICIDES AS MEDIUM VOLUME SPRAYS ON APPLES.

M H Moore M Bennett

East Malling Res Sta Annu Rep (A51):151-157 1968 103 EA7

Apples, Captan, Dinocap, Dodine, Fungicides, Fungus diseases (plants), Phenylmercuric compounds, Podosphaera leucotricha, Venturia inaequalis.

7796-69

COINCIDENCE AND INCIDENCE OF ENTOMOPHTHORA FLORIDANA WITH AND IN EUTETRANYCHUS BANKSI IN FLORIDA CITRUS GROVES.

M H Muma

Fla Entomol 52(2):107-112

May 1969 420 F662

Biological control (insects), Citrus, Entomogenous fungi, Entomophthora, Eutetranychus banksi, Surveys.

7797-69

A PRELIMINARY STUDY ON THE EFFECT OF IRRADIATION ON GRAIN SMUT OF JOWAR.

S Nargis A Kafi

Pakistan J Sci 20(1-2,JAN-MAR):31-33 REF Mar 1968 475 P172

Fungus diseases (plants), Gamma rays, Sorghum, Sphacelotheca sorghi, Spore germination.

Chlamydospores of grain smut of sorghum (Sphacelotheca sorghi) exposed to different doses of gamma rays from an 1800 Co 60 source revealed that at 200 Kr. the germination of spores was reduced by more than 50 per cent and was completely inhibited at 500 Kr.. Sorghum seeds were not affected up to 200 Kr. but the seed germination was reduced to 50 per cent at 500 Kr..

7798-69

YIELD EXPERIMENTS WITH POTATO VIRUS S-FREE AND POTATO VIRUS S-INFECTED BINTJE POTATOES. (DA)

P W Nielsen

Tidsskr Plant 72(3):367-368

1968 11 T439

Crop losses, Potatoes, Virus diseases (plants), Virus s. English summary.

7799-69

TOXINS IN PLANT DISEASE: STRUCTURE AND MODE OF ACTION.

L D Owens

Science 165(3888):18-25 REF

04 Jul 1969 470 SCI2

Enzymes, Plant diseases, Toxicology.

7800-69

STUDIES OF THE DEVELOPMENT OF POW-DERY MILDEW (ERYSIPHE GRAMINIS F. SP. HORDEI MARCHAL) ON BARLEY. I. CONIDIA GERMINATION.

C Paulech

Biologia (bratislava) 22(10):721-730 REF 1967 442.8 B5265 Barley, Crop varieties, Erysiphe graminis hordei, Fungus diseases (plants), Powdery mildew, Spore germination.

7801-69

THERMODYNAMIC STATE OF THE WATER IN HEALTHY OR INFECTED GRAINS OF WHEAT. (FR)

J Pelhate

Ann Technol Agr 17(3):227-236 REF

1968 14 F8499AN

Aspergillus, Fungus diseases (plants), Penicillium, Plant physiology, Storage, Water, Wheat. English, Spanish and Italian summaries.

7802-69

INTRACELLULAR INCLUSIONS IN EPIDERMAL CELLS OF TOBACCO INFECTED BY TOBACCO RATTLE VIRUS.

B Plavsic-Banjac Z Polak

Biol Plant 11(3):245-247

1969 450 B52

Inclusion bodies, Plant cytology, Rattle disease, Tobacco, Virus discases (plants).

Internal symptoms in epidermal cells of rattle virus infected tobacco were investigated. Ring-, elipsoid-, and spindle-shaped inclusions were found in the period between the fourth and thirtieth day after inoculation of Samsun seedlings.

7803-69

GENUS CANDIDA BERKHOUT. IX. CONTINU-OUS CULTIVATION OF CANDIDA ALBICANS.

M Pokorna A Kockova-Kratochvilova V Stuchlik L Hronska

Folia Microbiol 12(5):447-457 REF

1967 448.3 C332

Candida albicans, Culture media, Statistical analysis, Tissue culture.

7804-69

TOLERANCE OF VIRUS INFECTION IN CROP PLANTS.

A F Posnette

Rev Appl Mycol 48(3):113-118 REF

Mar 1969 405 R328

Bibliography, Crop varieties, Crop yields, Field crops, Nomenclature, Plant breeding, Plant disease resistance, Virus diseases (plants).

7805-69

WITHERING OF CITRUS TREES. (POR)

V Rossetti

Biologico 35(2):31-35

Feb 1969 442.8 B529

Citrus, Insect control, Insect vectors, Nematode vectors, Virus diseases (plants).

7806-69

THIN LAYER CHROMATOGRAPHICAL STUDIES ON PHENOLIC MARKERS OF THE GREENING VIRUS IN VARIOUS CITRUS SPECIES.

R E Schwarz

S Afr J Agr Sci 11(4):797-802

Dec 1968 24 SU3

Biochemistry, Chromatography, Citrus, Diagnosis, Greening disease, Virus diseases (plants).

7807-69

MUTAGENIC EFFECTS OF ETHYL METHANESULFONATE ON RICE SEEDS.

J D Soriano

Natur Appl Sci Bul 20(3,JUL-SEP):237-247 REF Jul 1967 475 P532

Deoxyribonucleic acid, Ethyl methanesulfonate, Fertility, Mutation, Radiation, Rice, Seed planting, Seedlings.

7808-69

PECTOLYTIC ACTIVITY OF PHYTOPATHOGENIC XANTHOMONADS.

M P Starr S Nasuno

J Gen Microbiol 46(3):425-433 REF

Mar 1967 448.3 J823

Biochemistry, Pectolytic enzymes, Xanthomonas.

16

7809-69

STUDIES ON THE ANTIGENIC ACTIVITIES OF YEAST. III. ISOLATION AND INHIBITION ASSAY OF THE OLIGOSACCHARIDES FROM ACID-HYDROLYSATE OF MANNAN OF CANDIDA ALBICANS.

S Suzuki H Sunayama

Jap J Microbiol 13(1):95-101

Mar 1969 448.8 J273

Antigens, Biological assay, Candida albicans, Metabolism, Oligosaccharides.

7810-69

LINEAR VARIATION IN STABILITY OF TOBACCO MOSAIC VIRUS TO STRIPPING OF PROTEIN BY DETERGENT.

J Symington

Virology 38(2):309-316

Jun 1969 448.8 V81

Mosaic, Proteins, Tobacco, Virus diseases (plants). English summary.

7811-60

EXPOSURE OF RIBONUCLEIC ACID AT BOTH ENDS OF TOBACCO MOSAIC VIRUS BY EXTENSIVE PROTEIN STRIPPING.

J Symington

Virology 38(2):317-323 REF

Jun 1969 448.8 V81

Mosaic, Proteins, Ribonucleic acid, Tobacco. English summary.

7812-69

PERFORMANCE OF SWEETCORN UNDER NATURAL EPIPHYTOTIC OF MAIZE DWARF MOSAIC VIRUS.

R W Toler A J Bockholt

Tex Agr Exp Sta Progr Rep (2648):3P

Jan 1969 100 T31P (2)

Crop varieties, Disease transmission, Dwarf mosaic, Insect vectors, Rhopalosiphum maidis, Sorghum halepense, Sweetcorn, Virus diseases (plants).

7813.60

THE RELATIVE INFLUENCE OF CHEMICAL AND PHYSICAL PROPERTIES ON THE FUNGITOXICITY OF TETRACHLOROISOPHTHALONITRILE AND SOME OF ITS ANALOGUES.

N J Turner R D Battershell

Boyce Thompson Inst Contrib 24(6,JAN-

MAR):139-147 REF

Mar 1969 451 B69

Alternaria solani, Chemical control (plant diseases), Chemistry, Fungicides, Fungus diseases (plants), Isophthalonitrile, halogenated, Monilinia fructicola, Regression analysis.

Fungicidal activity of a series of halogenated isophthalonitriles was correlated with chemical reactivity, oil:water partition coefficients and vapor pressure. The most effective member of the series was tetrachloroisophthalonitrile, a broad spectrum foliage fungicide. Using the methods of regression analysis to correlate biological activity with chemical parameters, a positive relationship was found between fungicidal activity and the reactivity of the compounds with a model thiol compound. This suggests that the mode of action of these compounds involves reaction with thiol groups.

7814-69

MECHANICAL CONTROL OF LODGING IN RICE AND EXTENT OF REDUCTION IN YIELD DUE TO TOPPING.

S K C Verma

Madras Agr J 56(1):32-33

Jan 1969 22 M262

Crop yields, Cultural control (plant diseases), Lodging, Plant physiological diseases, Rice.

7815-69

SEED TREATMENT. SIMPLE AND CHEAP METHOD OF CONTROLLING DISEASES.

D Vir

Indian Farming 18(8):23-24 Nov 1968 22 IN283 Chemical control (plant diseases), Crop losses, Fungicides, Fungus diseases (plants), Mercury compounds, Organic compounds, Seed treatment, Seed-borne plant diseases.

THE EFFECT OF THE BARLEY YELLOW DWARF VIRUS DISEASE ON BARLEY AND OATS IN THE WESTERN CAPE.

M B von Wechmar V D Wassermann S Afr J Agr Sci 11(4):757-768 REF Dec 1968 24 SU3

Barley, Crop losses, Crop varieties, Insect vectors, Oats, Rhopalosiphum padi, Virus diseases (plants), Yellow dwarf.

In controlled field experiments it was demonstrated for the first time that barley yellow dwarf virus (BYDV) could be an important factor limiting the yield of barley and oats in the Western Cape Province. The virus, successfully transmitted by the aphid Rhopalosiphum pali (L.), caused typical symptoms and severe yield reductions in both barley and the party of the province of the pr ley and oats, particularly when sown fairly early. Differences in cultivar susceptibility were demon-

ARTHROPODS

TWENTY-SECOND ANNUAL CONFERENCE REPORT ON COTTON INSECT RESEARCH AND CONTROL, NEW ORLEANS. 1969.

92P MAP Feb 1969 1.967 A2C76

Biological control (insects), Chemical control (insects), Cotton, Cultural control (insects), Defoliants, Insect pests, Insecticide resistant insects, Insecticides, Reports, Research, Surveys.

1969 CRANBERRY INSECT AND DISEASE CONTROL CHART.

Anonymous

IP

1969 275.29 M381I

Accident prevention, Chemical control (pests), Chemical control (plant diseases), Cranberries, Insect pests, Pesticides.

7819-69

MEALYBUGS.

Anonymous

Agr Gaz New S Wales 80(4):220-222

Apr 1969 23 N472

Carbophenothion, Chemical control (insects), Chlordane, Diazinon, Dieldrin, Insect biology, Insecticides, Methyl demeton, Pseudococcidae

A FIRST RECORD OF FRUIT-PIERCING NOCTUID MOTHS IN EUROPE.

H Banziger

Naturwissenschaften 56(4):218

Apr 1969 474 N213

Feeding, Figs, Fruit, Insect behavior, Insect nutrition, Insect pests, Noctuidae.

CONTROL OF A SPRUCE BUDWORM OUT-BREAK IN QUEBEC THROUGH AERIAL SPRAYING OPERATIONS.

J R Blais

Can Entomol 95(8):821-827, BIBL. 826-827

Aug 1963 421 C16

Aerial spraying, Choristoneura fumiferana, DDT, Forest insects, Quebec.

7822-69

NEW PESTS OF SUGARCANE IN MEXICO (SACCHARDSYDNE SACCHARIVORA WESTW.). (SP)

S F Caceres

Fitofilo 21(57,JAN-MAR):33-42 Mar 1968 421 F55

Benzene hexachloride, Delphacidae, Insect biology, Sugarcane, Zoogeography.

7823-69

LABORATORY DETERMINATION OF RE-SISTANCE TO TETRADIFON IN THE FRUIT TREE RED SPIDER MITE, PANONYCHUS ULMI (KOCH).

J E Cranham

East Malling Res Sta Annu Rep (A51):165-168 1968 103 EA7

Acaricides, Chemical control (insects), Insect eggs, Insect rearing, Panonychus ulmi, Sulfides, Tetradifon, Tetrasul.

7824-69

MERDMYZA NIGRIVENTRIS (DIPTERA, CHLOROPIDAE): ITS SYSTEMATIC STATUS, DEVELOPMENT AND HARMFUL ACTIVITY. (RUS)

L I Fedoseeva

Zool Zhur 48(5):701-708 REF

May 1969 410 R92

Chloropidae, Crop losses, Grain, Insect taxonomy. English abstract.

7825-69

THE BROAD MITE: HEMITARSONEMUS SONEMIDAE). (ACARINA:

J G Gellatley

Agr Gaz New S Wales 80(2):96-97

Feb 1969 23 N472

Beets, Chemical control (pests), Chlorinated hydrocarbons, Citrus, Dicofol, Endrin, Ethion, Hemitarsonemus latus, Host plants, Methyl demeton, Organophosphorus compounds, Sulfur compounds.

7826-69

PEAR PSYLLA CONTROL STUDIES.

E H Glass

N Y (state) Agr Exp Sta Res Circ (16):10P Apr 1969 100 N48R

Chemical control (insects), Chlorinated hydrocarbons, Dichloro-2,2-bis(p-ethylphenyl)ethane, 1,1-, Endosulfan, Insecticide resistant insects, Morestan, Organophosphorus compounds, Pears, Psylla

Other insecticides mentioned but less effective are malathion, Guthion, Imidan, Zolone, carbaryl, and

A PRELIMINARY SURVEY OF THE RELA-TIONSHIPS BETWEEN THE SOIL FAUNA AND THE ROOTS OF FRUIT TREES.

DJL Harding

East Malling Res Sta Annu Rep (A51):169-172 1968 103 EA7

Collembola, Fruit, Insect ecology, Mites, Roots, Soil fauna, Surveys, Symphyla.

1969 RECOMMENDATIONS FOR INSECT CONTROL ON COMMERCIAL VEGETABLE CROPS.

W C Harding D Shriver M Tysowsky Md Univ Ext Plant Pathol Mimeo (199):11P

Jan 1969 275.29 M363

Accident prevention, Chemical control (insects), Insect pests, Insecticides, Vegetables.

OCCURRENCE OF BEMISIA TABACI (GENN.) IN THE FIELD AND ITS RELATION TO THE LEAF CURL DISEASE OF TOBACCO.

B G Hill

S Afr J Agr Sci 11(3):583-594 REF

Sep 1968 24 SU3

Bemisia tabaci, Insect vectors, Leaf curl, Surveys, Tobacco, Virus diseases (plants).

CONTROL OF TEXAS CITRUS MITE WITH NEW ACARICIDES.

R B Johnson

Fla Entomol 52(2):73-77

May 1969 420 F662

Acaricides, Chemical control (insects), Euteranychus banksi, Insect control, Oranges.

Seventeen acaricides were tested against Texas citrus mite, Eutetranychus banks, (McG.) in two experiments conducted on young 'Valencia' orange trees. The standard acaricides dicofol, oil, carbophenothion, and ethion were less effective than other experimental acaricides tested.

ABSCISSION OF COTTON FLOWER BUDS AND PETIOLES CAUSED BY PROTEIN FROM **BOLL WEEVIL LARVAE.**

E E King H C Lane

Plant Physiol 44(6):903-906

Jun 1969 450 P692

Abscission, Anthonomus grandis, Cotton, Larvae, Plant injuries, Proteins, Tissue extracts.

Protein extracted from boll weevil larvae caused abscission of cotton flower buds and debladed petioles. Abscission of buds is preceded by a rapid and persistent flaring of bracts; cell proliferation is induced in the abscision zone of debladed petioles. A possible mode of transmission of the agent from larva to bud tissue is discussed.

ON THE DISTRIBUTION OF THE INFESTA-TION OF THE CABBAGE GALLGNAT DASINEURA BRASSICAE, IN LARGE FIELDS. (GE)

W Kuhne

Beitr Entomol 17(1-2):287-297 REF

1967 421 B392

Cecidomyiidae, Cultural control (insects), Dasineura brassicae, Population, Rape. English and Russian abstracts.

THE GRASS STUNT MITE, ACERIA NEO-CYNODONIS KEIFER IN SOUTH AFRICA. M K P Meyer

S Afr J Agr Sci 11(4):803-804

Dec 1968 24 SU3

Aceria neocynodonis, Cultural control (insects), Cynodon, Plant injuries.

7834-69

THE CONTROL OF ERNOBIUS MOLLIS LIN-NAEUS (COLEOPTERA: ANOBIIDAE) WITH DIELDRIN DIPS.

R H Milligan

New Zealand J Sci 10(4):1012-1019

Dec 1967 514 N482

Anobiidae. Chemical control (insects). Chlorinated hydrocarbons, Dieldrin, Insect behavior, Oviposition, Pseudotsuga menziesii.

Dip treatment of test billets with an emulsion containing 0.1 per cent dieldrin prevented oviposition by Ernobius mollis. Eggs were laid on billets treated with 0.05 per cent or lower; all first instar larvae were killed when the surfaces were pre-treated with 0.005 per cent or higher concentration. Dieldrin films did not repel ovipositing females but adult mortality resulted in fewer eggs being laid on billets dipped in 0.005 per cent or higher concentrations, than were laid on controls.

AN OBSERVATION ON THE BASIC QUESTION OF THE RELIABILITY OF THE EFFICIENCY AND PERFORMANCE OF NATURAL ENEMIES AGAINST DESTRUCTIVE INSECTS. (GE)

G Morge

Beitr Entomol 17(1-2):225-233

1967 421 B392

Beneficial insccts, Insect biology, Lonchaea, Lonchaea bruggeri, Lonchaea seitneri, Lonchaea zetterstcdti, Natural control (insects), Population, Scolytidae. English and Russian abstracts.

BASIC PREMISES OF A THEORY OF THE PROTECTION OF PLANTS AGAINST PESTS.

I Ya Polyakov Entomol Rev 47(2.APR-JUN):200-210 REF

Jun 1968 421 R322AE

BIBLIOGRAPHY NEMATODES

WEEDS

Crop yields, Economic entomology, Insect biology, Insect ecology, Insect pests, Plant pest control, Plant protection, Population, Surveys. Russian journal-Entomologicheskoye Obozreniye, p. 343-361.

7837-69

RIDDING GROUNDNUT OF RED HAIRY CATERPILLAR.

K A Ramaswamy S Kuppuswamy T

Santhanaraman

Indian Farming 18(8):21-22

Nov 1968 22 IN283

Benzene hexachloride, Car-Amsacta. bophenothion, Chemical control (insects), Chlorinated hydrocarbons, Dichlorvos, Endrin, Imidan, Insecticides, Peanuts, Trichlorfon.

7838-69

STEM APPLICATIONS OF AZODRIN FOR CONTROL OF THE COTTON FLE AHOPPER.

R L Ridgway B G Reeves C B Cowan L H Wilkes D A Lindquist

J Eçon Entomol 59(2):315-318, TABS.

Apr 1966 421 J822

Azodrin, Cotton, DDT, Insecticide application, Systemic insecticides, Toxaphene, Trichlorfon.

7839-69

THE COTTON LEAF WEEVIL, BUCCULATRIX THURB ERIELLA BUSCK. THE HISTORY HABITS, BIOLOGY AND METHODS OF CON-TROL. (SP)

E O Rocha

Fitofilo 21(57,JAN-MAR):15-21

Mar 1968 421 F55

Biological control (insects), Bucculatrix thurberiella, Carbaryl, Chemical control (insects), Cotton, Insect biology, Insect control, Malathion. Parathion, Trichlorfon.

7840-69

ON THE RELATIONSHIPS BETWEEN ANTS AND PARASITES OF COCCIDS AND APHIDS ON CITRUS.

D Rosen

Beitr Entomol 17(1-2):281-286 REF

1967 421 B392

Aphididae, Citrus, Coccidae, Coccophagus, Formicidae, Insect behavior, Insect ecology, Metaphycus, Microterys, Parasitic insects, Popula-

7841-69

THE HYMENOPTEROUS PARASITES OF SOFT SCALES ON CITRUS IN ISRAEL.

D Rosen

Beitr Entomol 17(1-2):251-279 REF

1967 421 B392

Biological control (insects), Ceroplastes floridensis, Ceroplastes rusci, Citrus, Coccus hesperidum, Hymenoptera, Parasitic insects, Saissetia oleae, Zoogeography.

7842-69

PARASITES OF CITRUS PEST APHIDS OF THE WORLD AND BIOLOGICAL CONTROL PROJECTS (HYM., APHIDIIDAE: LOYA APHIDOIDEA)

P Stary

Acta Ent Bohemoslov 64(1):37-61 REF

1967 420 C33

Aphididae, Aphidiinae, Biological control (insects), Citrus, Parasitic insects, Reviews.

7843-69

FOREST ENTOMOLOGY IN THE USSR.

A I Vorontsov

Entomol Rev 47(2,APR-JUN):165-174 REF

Jun 1968 421 R322AE

Attractants, Chemosterilants, Economic entomology, Forest insects, Insect outbreak forecasting, Integrated control (insects), Population, Surveys, Zoogeography. Russian journal-En-Loogeography. Russian journal-Entomologicheskoye Obozreniye, p. 280-297.

7844-69

THE INFLUENCE OF TOBACCO RING SPOT VIRUS AND TOBACCO MOSAIC VIRUS ON THE GROWTH OF MELOIDOGYNE JAVANICA.

A F Bird

Nematologica 15(2):201-209 REF

May 1969 436.8 N342

Beans, Meloidogyne javanica, Mosaic, Physiology, Ring spot, Tobacco, Tomatoes, Virus diseases (plants).

7845-69

IDENTIFICATION SURVEY. PATHOGENICITY TESTS OF NEMATODES ASSOCIATED WITH TOBACCO GROWN IN CAGAYAN VALLEY AND THE ILOCOS RE-

R V Cortado R G Davide

Philippine Agr 51(10):779-801 REF

Mar 1968 25 P542

Pathogenicity, Plant nematodes, Surveys, Tobacco, Zoogeography.

7846-69

INFLUENCE OF TEMPERATURE POLYPHENOL OXIDASE ACTIVITY IN THREE SPECIES OF HETERODERA.

C Ellenby L Smith

Compar Biochem Physiol 21(1):51-57

Apr 1967 444.8 C73

Biochemistry, Heterodera avenae, Heterodera rostochiensis, Heterodera schachtii, Phenolases, Temperature.

7847-69

THE RESISTANCE OF RHABDITIS SP. AND ANGUINA TRITICI (NEMATODA) TO DRYING AND ACTION OF LOW AND SUPERLOW TEM-PERATURES. (RUS)

T Namatov

Zool Zhur 48(5):658-668 REF

May 1969 410 R92

Anguina tritici, Drying, Mortality, Physiology, Plant nematodes, Rhabditis, Temperature. English

7848-69

RELATION BETWEEN VOLUMN AND CONTENTS OF CYSTS OF HETERODERA TENTS OF CYSTS OF HETEROI ROSTOCHIENSIS WOLLENWEBER. (GE)

H Stelter P C Gaur

Biol Zentralbl 88(1, JAN-FEB):85-90

Feb 1969 442.8 B523

Cysts, Heterodera rostochiensis, Volumetric analy-

7849-69

IN VITRO FEEDING OF TELOTYLENCHUS LOOFI ON GREAT MILLET (SORGHUM VUL-GARE) ROOTS.

M G Tikyani S Khera

Nematologica 15(2):291-293

May 1969 436.8 N342

Plant nematodes, Roots, Sorghum, Tylenchidae.

SURVEY, IDENTIFICATION AND HOST-PARASITE RELATIONSHIPS OF ROOT-KNOT NEMATODES OCCURRING IN SOME PARTS OF THE PHILIPPINES.

R B Valdez

Philippine Agr 51(10):802-824 REF

Mar 1968 25 P542

Plants, Root knot nematode, Surveys.

GLASS-HOUSE AND LABORATORY STUDIES ON THE BIOLOGY OF THE NEEDLE NEMATODE, LONGIDORUS ELONGATUS.

A M Yassin

Nematologica 15(2):169-178 REF

May 1969 436.8 N342

Biology, Longidorus elongatus, Plant nematodes.

7852-69

COMPARISON OF THE EFFECTS OF ARSENIC AND AMITROLE (3-AMINO-1,2,4-TRIAZOLE) IN THE CONTROL OF ERIOCEREUS MAR-TINII (LAB.) RICC.

G Diatloff

Australian Inst Agr Sci J 33(2):109

Jun 1967 23 AU74

Amitrole, Ammonium thiocyanate, Arsenic compounds, Chemical control (weeds), Eríocereus martinii, Herbicides.

A PROMISING NEW PRE-EMERGENCE HER-BICIDE FOR GROUNDNUT.

D B Narsaiah L G Kulkarni R V Kumar

Indian Farming 18(11):31-33

Feb 1969 22 IN283

Chemical control (weeds), Dichlorophenyl-4nitrophenyl ether, 2,4-, Economics, Herbicides, Pe-

SELECTIVE HERBICIDES CONTROL WEEDS IN LUCERNE AT COWRA.

N S Tickner

Agr Gaz New S Wales 79(12):718-720

Dec 1968 23 N472

Alfalfa, Capsella bursa-pastoris, Chemical control (weeds), Costs, DPA, Herbicides, Hordeum, Paraquat.

7855-69

BROMACIL: AN EFFECTIVE NON-SELECTIVE HERBICIDE FOR CONTROLLING NUTSEDGE IN THE ORD RIVER VALLEY. W.A.

P J Van Rijn

Australian Inst Agr Sci J 33(2):118-119

Jun 1967 23 AU74

Bromacil, Chemical control (weeds), Cyperus, Cyperus esculentus, Herbicides.

OTHER PESTS

7856-69

STUDIES ON THE COMPOSITION OF EXTRACTS OF THE REPRODUCTIVE GLANDS OF AGRIOLIMAX RETICULATUS, THE GREY FIELD SLUG (PULMONATA, STYLOM-MATOPHORA).

C J Bayne

Compar Biochem Physiol 23(3):761-773 REF

Dec 1967 444.8 C73

Amino acids, Glucose, Reproductive organs, Slugs, Tissues.

7857-69

DAMAGE TO THE FLOWERS OF FRUIT TREES BY BIRDS.

G H L Dicker

East Malling Res Sta Annu Rep (A51):159-163 1968 103 EA7

Bird pests, Crop losses, Flowers, Fruit, Pigeons, Sparrows.

PHYSICO-CHEMICAL STUDIES OF PESTI-CIDES. III. EFFECT OF SOAP ON THE BIOLOGICAL ACTIVITY OF DDT SUSPEN-SIONS.

D K O'neill

J Sci Food Agr 14(6):442-448, 13 REFS., 6 FIGS.

Jun 1963 382 SO12

Biological control (insects), DDT, Soap, Triboli-

LIVESTOCK PROTECTION

7859-69

THIOPENTAL ANAESTHESIA FOR CATS. (GE

E Schimke E G Grunbaum Monatsh Vet 23(16):635-638 REF 15 Aug 1968 41.8 M742

Anesthesia, Atropine, Cats. English and Russian summaries.

7860-69

RESIDUES IN MILK OF COWS FED RATIONS CONTAINING LOW CONCENTRATIONS OF FIVE CHLORINATED HYDROCARBON PESTICIDES.

S Williams P A Mills R E McDowell J Sci Food Agr 16(7):11-43-4

Jul 1965 382 SO12

Cattle, Dieldrin, DDT, Endrin, Heptachlor epoxide, Lindane, Milk, Pesticide residues, TDE.

DISEASES

7861-69

BLOOD CHOLINESTERASE ACTIVITY AS AN INDEX OF ACUTE TOXICITY OF ORGANOPHOSPHORUS PESTICIDES IN SHEEP AND CATTLE.

P H Anderson A F Machin C N Hebert Res Vet Sci 10(1):29-33 REF Jan 1969 41.8 R312

Blood, Cattle, Cholinesterases, Organophosphorus, Pesticides, Sheep, Toxicology. English summary.

7862-69

USE OF ALVEOLAR MACROPHAGES FOR CULTIVATION OF CANINE DISTEMPER VIRUS.

M J G Appel O R Jones

Soc Exp Biol Med Proc 126(2):571-574 REF

Nov 1967 442.9 SO1

Canine distemper virus, Lungs, Macrophages, Tissue culture, Virus diseases (animals).

7863-69

LYMPHO CUTS FARM PROFITS ON SHEEP MEAT.

M C Armstrong

New Zeal J Agr 118(5):77,79

May 1969 23 N48J

Caseous lymphadenitis, Corynebacterium, Goats, Infectious diseases, Livestock diseases, Sheep.

7864-69

A CASE OF TERATOMA IN THE LIVER OF SHEEP.

R G Arora P K R Iyer Indian Vet J 46(3):203-204 Mar 1969 41.8 IN2

Li ver, Sheep, Teratoma, Tissue culture.

7865-69

CLINICO-MICROBIOLOGICAL AND IMMU-NOLOGICAL STUDIES ON EXPERIMENTAL ORAL INFECTION IN PREGNANT SHEEP WITH SALMONELLA ABORTUS OVIS.

R Arsov R G Dhawedkar Indian Vet J 46(1):1-5 REF

Jan 1969 41.8 IN2

Immunology, Livestock diseases, Microbiology, Pregnancy, Salmonella abortusovis, Sheep.

7866-69

VIRUS DISEASES OF THE RESPIRATORY TRACT IN CATTLE. (GE)

A Bartha

Monatsh Vet 23(16):613-617 15 Aug 1968 41.8 M742

Bedsonia virus, Cattle, Livestock diseases, Parainfluenza-3, Respiratory diseases, Scours, Virus diseases (animals). English and Russian summaries.

7867-69

ULTRASTRUCTURAL CHANGES IN EXPERIMENTAL LIPID PNEUMONIA.

A Baskerville

Res Vet Sci 10(1):4-6 REF

Jan 1969 41.8 R312

Cells, Lipids, Lungs, Mice, Pneumonia. English summary.

7868-69

UREA IN THE RATION: HOW MUCH CAN WE SAFELY ADD .

W M Beeson

Amer Vet Med Ass J 154(10):1220-1225 REF 15 May 1969 41.8 AM3

Alfalfa, Cattle, Nitrogen compounds, Proteins, Urea.

7869-69

MYCOTOXICOSIS ASSOCIATED WITH HEMORRHAGIC ENTEROCOLITIS AND ABORTION IN SWINE.

D I Blevins M W Glenn A H Hamdy T F Brodasky R A Evans

Amer Vet Med Ass J 154(9):1043-1050 REF

01 May 1969 41.8 AM3

Abortion, Animal diseases, Aspergillus, Diarrhea, Mycotoxicosis, Penicillium rubrum, Rhizopus, Swine.

7870-69

ACTIMOBACILLUS LIGNIERESII INFECTION IN A DOG.

A V Carb S K Liu

Amer Vet Med Ass J 154(9):1062-1067 REF 01 May 1969 41.8 AM3

Actinobacillus, Animal diseases, Diagnosis, Dogs.

7871-69

CAPRINE PNEUMONITIS CAUSED BY A VIRUS OF PSITTACOSIS LYMPHOGRANULOMA VENERUM (PLV) GROUP.

H V S Chauhan C M Singh Cur Sci 38(7):166-167

05 Apr 1969 475 SCI23

Goats, Miyagawanella group viruses, Pneumonia, Virus diseases (animals).

7872-69

GEL FILTRATION OF LEPTOSPIRAL LIPASE ON SEPHADEX G 200.

B Chorvath

Biologia (bratislava) 22(11):817-822 REF 1967 442.8 B5265

Filters, Gels, Leptospira, Lipases, Serological tests.

7873-69

SERUM MEDIATED KILLING OF THREE GROUP D SALMONELLAS.

F M Collins

J Gen Microbiol 46(2):247-254 REF

Feb 1967 448.3 J823

Antigens, Antiserum, Chickens, Mice, Salmonella enteritidis, Salmonella gallinarum, Salmonella pullorum.

7874-69

STILBESTROL, ANTIBIOTICS, VITAMINS, UREA, MINERALS: WHAT WE'RE LEARNING ABOUT FEEDING BEEF.

T J Cunha

World Farming 11(5):31-32,37-38

May 1969 30.08 W89

Animal nutrition, Antibiotics, Cattle, Diethylstilbestrol, Fattening, Hormones, Livestock, Micronutrients, Minerals, Urea, Vitamins.

7875-69

A SURVEY OF DISEASES IN FALLOW, VIRGINIA AND JAPANESE DEER, CHAMOIS, TAHR, AND FERAL GOATS AND PIGS IN NEW ZEALAND.

M J Daniel

New Zealand J Sci 10(4):949-963 MAP REF

Dec 1967 514 N482

Deer, Goats, Serological tests, Surveys, Swine, Wildlife diseases.

7876-69

EXPERIMENTAL INFECTION OF CALVES WITH BOVINE ADENOVIRUS TYPES 1 AND 2.

J H Darbyshire D A Kinch A R Jennings Res Vet Sci 10(1):39-45 REF

Jan 1969 41.8 R312

Adenoviruses, Calves, Diarrhea, Pneumonia, Viruses. English summary.

7877-69

ELECTRON AND LIGHT-MICROSCOPE INVESTIGATIONS ON TWO SPECIES OF FELINE BABESIA. (GE)

H K Dennig R Hebel

Z Parasitenk 32(2):95-111 REF

12 May 1969 442.8 Z33F

Babesia, Cats, Cytology, Electron microscopy, Piroplasmosis. English abstract.

7878-69

MYOCARDIUM INFARCT IN HORSES WITH INFECTIOUS ANEMIA. (GE)

M A Dobin J F Epschtein

Monatsh Vet 23(16):627-630

15 Aug 1968 41.8 M742

Equine infectious anemia, Heart, Horses, Livestock diseases, Myocardium, Thrombosis. English and Russian summaries.

7879-69

THE EXPERIMENTAL EFFECT OF GENTA-MYCIN AND IN MASTITIS OF CATTLE. (GE)

R E Dunham

Giessen Justus Liebig Univ Veterinarmed Fak (inaug-diss) (30):50P REF 1967 41.2 G3642

Antibiotics, Cattle, Gentamycin, Livestock diseases. Mastitis.

7880-69

MORPHOLOGY OF BLUETONGUE VIRUS.

H J Els D W Verwoerd

Virology 38(2):213-219 REF

Jun 1969 448.8 V81

Bluetongue virus, Morphology. English summary.

881-69

PHYSIOLOGICAL EVENTS IN THE COURSE OF THE GROWTH AND DIFFERENTIATION OF TRYPANOSOMA CRUZI.

J F Fernandes O Castellani E Kimura

Genet Soc Amer Rec 61(1,PT 2,SUPPL):213-226 REF

1969 442.9 G28

Development, Physiology, Tissue culture Trypanosoma cruzi.

7882-69

HEAT INACTIVATION OF FOOT-AND-MOUTH DISEASE VIRUS IN BLOOD PRODUCTS.

L S Forbes G E Cottral

Res Vet Sci 10(1):98-100

Jan 1969 41.8 R312 Blood, Cattle, Foot-and-mouth disease virus, Heat. English summary.

7883-69

THE PREVALENCE OF SALMONELLOSIS AND SYMPTOMATIC CARBUNCLES IN CATTLE SUBJECTED TO BACTERIOLOGICAL EXAMINATION DURING 1968, IN THE STATE OF SAO PAULO. (POR)

W Giorgi C Troise

Biologico 35(2):49-50

Feb 1969 442.8 B529

Animal diseases, Cattle, Salmonellosis.

7884-69

SWINE SALMONELLOSIS IN A HAWAIIAN PIGGERY.

J M Gooch R L Haddock

Amer Vet Med Ass J 154(9):1051-1054

01 May 1969 41.8 AM3

Epizootic diseases, Salmonellosis, Surveys, Swine.

7885-60

KALE ANAEMIA. I. THE TOXICITY TO VARIOUS SPECIES OF ANIMAL OF THREE TYPES OF KALE.

J F D Greenhalgh G A M Sharman J N Aitken
Res Vet Sci 10(1):64-72 REF

Jan 1969 41.8 R312

Animals, Kale, Toxicology. English summary.

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7886-69

7886-69

POSSIBLE OCCURRENCE OF VIRAL PNEU-MONIA IN INDIGENOUS SHEEP AND GOATS -A MORPHOLOGICAL STUDY OF PNEUMONIC LUNG LESIONS.

P P Gupta B S Rajya

Indian Vet J 46(3):205-208 REF

Mar 1969 41.8 IN2

Bronchiectasis, Goats, Hematoxylin, Infectious diseases, Pigmentation, Pneumonia, Sheep.

7887-69

LIVESTOCK HEALTH - PLANNING TO PREVENT PREGNANCY TOXAEMIA. J.S. Healey

Agr Gaz New S Wales 80(2):85-87

Feb 1969 23 N472

Animal nutrition, Pregnancy, Sheep, Toxemia.

COSTS OF FEEDLOT DISEASE AND PREVEN-TION PROGRAMS.

J R Howard

Amer Vet Med Ass J 154(10):166-1167 15 May 1969 41.8 AM3 Feedlots, Livestock.

7889-69

OBSERVATIONS OF INFECTIOUS DIARRHEA AS PART OF THE SHIPPING FEVER SYNDROME IN FEED LOT CATTLE.

J R Howard

Amer Vet Med Ass J 154(10):1201-1202 15 May 1969 41.8 AM3

Cattle, Diarrhea, Feedlots, Fever, Lymph nodes, Pleuropneumonia, Tissues.

PURIFICATION OF THE FOOT-AND-MOUTH VIRUS BY MEANS OF FLUOROCARBON. (CZ) R Hubik R Laznicka R Fepak

Czech Min Zemed Les Hospod Ustav Vedeckotech Inform Vet Med 13(10):521-526 REF Oct 1968 41.9 C333

Foot-and-mouth disease virus, Viral vaccines, Virology. Russian, English and German abstracts.

SEROLOGICAL RELATION BETWEEN **EPIZOOTIC** FEVER BOVINE AND EPHEMERAL FEVER.

Y Inaba Y Tanaka T Omori M Matumoto Jap J Microbiol 13(1):129-130

Mar 1969 448.8 J273

Antigens, Cattle, Ephergeral fever, Virus diseases (animals).

7892-69

BRUCELLOSIS IN BOVINE MADHYA PRADESH (A SEROLOGICAL STUDY).

R S Kataria G P Verma

Indian Vet J 46(1):13-16 REF

Jan 1969 41.8 IN2

Brucellosis, Buffaloes, Cattle, Livestock diseases, Pregnancy, Serological tests.

7893-69

RESULTS OF THE PREVENTION OF TU-BERCULOSIS IN CATTLE IN SLOVENIA FROM 1947 TO 1967. (SE)

N Klemenc J Prevorcnik V Gregorovic Vet Glas 22(11):935-943 MAP 1968 41.8 193

Cattle, Epidemiology, Livestock diseases, Tuberculosis. English and Russian summaries.

7894-69

LIPIDS OF PLASMA MEMBRANES OF MON-KEY AND HAMSTER KIDEY CELLS AND OF PARAINFLUENZA VIRIONS GROWN IN THESE CELLS.

H D Klenk P W Choppin

Virology 38(2):255-268 REF

Jun 1969 448.8 V81

Cells, Hamsters, Lipids, Monkeys, Parainfluenza, Plasma membrane, Viruses. English summary.

7895-69

BILIRUBINAEMIA IN THE DIFFERENTIAL DIAGNOSTICS OF HEPATOPATHIES AND IN-TERNAL DISEASES IN HORSES. (GE)

J Konrad

Monatsh Vet 23(16):622-626 REF

15 Aug 1968 41.8 M742

Bilirubin, Cirrhosis, Horses, Liver diseases, Livestock diseases. English and Russian summa-

THE DEVELOPMENT OF FOCI INCIDENCE OF BOVINE BRUCELLOSIS IN CZECHOSLOVAKIA. (CZ)

V Kouba

Czech Min Zemed Les Hospod Ustav Vedeckotech Inform Vet Med 14(3):169-178 REF Mar 1969 41.9 C333

Brucellosis, Cattle, Livestock diseases, Surveys. Russian, English and Germaa abstracts.

THE PREVALENCE OF BRUCELLOSIS OF CATTLE IN CZECHOSLOVAKIA. (CZ)

V Kouba

Czech Min Zemed Les Hospod Ustav Vedeckotech Inform Vet Med 14(2):113-122 REF Feb 1969 41.9 C333

Brucellosis, Cattle, Livestock diseases, Surveys. Russian, English and German abstracts.

THE INCIDENCE OF BRUCELLOSIS OF CATTLE IN CZECHOSLOVAKIA. (CZ)

Czech Min Zemed Les Hospod Ustav Vedeckotech Inform Vet Med 13(10):551-560 REF Oct 1968 41.9 C333

Brucellosis, Cattle, Livestock diseases, Surveys. Russian, English and German abstracts.

NUTRITIONAL MANAGEMENT AND BOVINE KETOSIS.

D S Kronfeld R S Emery Mod Vet Pract 50(4):45-49 Apr 1969 41.8 N812

Cattle, Grain, Ketosis, Nutrition.

CONTRIBUTION TO THE STUDY OF ARTHRITIS OF THE DOG. ATTEMPTS OF TREATMENT WITH OROTIC ACID. (FR)

D R Laffra

Alfort Ecole Nat Vet These (91):54P REF 1968 41.2 AL23

Animal diseases, Arthritis, Dogs, Medicine, Orotic acid, Therapeutics, Toxicology, Veterinary medicine.

7901-69

A VIRUS INHIBITOR CIRCULATING IN THE BLOOD OF CHICKENS, INDUCED BY FRANCISELLA TULARENSIS AND LISTERIA MONOCYTOGENES.

B Lukas J Hruskova

Folia Microbiol 12(2):157-161 REF

1967 448.3 C332

Biochemistry, Chickens, Listeria monocytogenes, Pasteurella tularensis, Serum, Virucides.

Following the intravenous inoculation of chickens with large doses of living Francisella (Pasteurella) tularensis and Listeria monocytogenes, a virus in-hibitor appeared in their serum. The first traces of the inhibitor were found four hours and the maximum levels eight and 24 hours after inoculation with a bacterial suspension. The administration of heat-inactivated microorganisms did not induce formation of the inhibitor. The dynamics of formation of the inhibitor and its properties resembled those of virus interferon.

PREVALENCE OF SALMONELLAE IN VIRGINIA POULTRY FLOCKS AND IN FEED.

Amer Vet Med Ass J 154(9):1055-1056

01 May 1969 41.8 AM3

Feed contamination, Livestock diseases, Poultry, Salmonella, Surveys,

FOOT-AND-MOUTH DISEASE IN ENGLAND.

N L Meyer

Amer Vet Med Ass J 154(10):1226-1229

15 May 1969 41.8 AM3

Foot-and-mouth disease, Livestock.

ROLE OF PROTOZOA IN RUMEN METABOL-ISM WITH SPECIAL REFERENCE TO BLOAT. B Mishra

Indian Vet J 46(1):42-49 REF

Jan 1969 41.8 IN2

Animal physiology, Bloat, Cattle, Diet, Livestock diseases, Metabolism, Protozoa, Ruminants.

WHAT'S NEW WITH BOVINE RESPIRATORY PROBLEMS.

D J Moeller

Amer Vet Med Ass J 154(10):1197-1200 REF

15 May 1969 41.8 AM3

Cattle, Immunization, Pasteurella multocida, Respiratory diseases. English summary

7906-69

ADVANCES IN CATTLE ECTOPARASITE CONTROL WITH A DISCUSSION OF SOME PROBLEMS RELATED TO TREATMENT WITH SYSTEMIC INSECTICIDES.

J O Mozier

Amer Vet Med Ass J 154(10):1206-1213

15 May 1969 41.8 AM3

Cattle, Ectoparasites, Hydrocarbons, Insecticides, Larvae, Organophosphorus.

CULTIVATION OF TRYPANOSOMA CRUZI IN A PROTEIN-FREE DIALYSATE MEDIUM.

M Nakamura

Soc Exp Biol Med Proc 125(3):779-780

Jul 1967 442.9 SO1

Culture media, Methodology, Tissue culture, Trypanosoma cruzi.

7908-69

CLINICAL PAT DISTEMPER. (GE) **PATTERN** OF NERVOUS

U Oldenburg

Monatsh Vet 23(16):634-635

15 Aug 1968 41.8 M742

Canine distemper, Dogs, Nervous system diseases, Paresis. English and Russian summaries.

7909-69

CONTAGIOUS ECTHYMA IN SHEEP IN THE STATE OF SAO PAULO. (POR)

N S Piegas M R Nilsson

Biologico 34(12):265

Dec 1968 442.8 B529

Ecthyma, Livestock diseases, Sheep, Virus diseases (animals).

INCIDENCE OF TUBERCULOSIS IN CATTLE

IN RAJASTHAN. A K Purohit P N Mehrotra

Indian Vet J 46(1):5-12 REF

Jan 1969 41.8 IN2 Buffaloes, Cattle, Livestock discases, Tuberculin test, Tuberculosis.

OBSERVATIONS ON THE INCIDENCE AND HISTOPATHOLOGY OF PNEUMONIA OF SHEEP AND GOATS IN INDIA.

S Ramachandran G L Sharma

Indian Vet J 46(1):16-29 REF Jan 1969 41.8 IN2

Corynebacterium, Goats, Livestock diseases, Pasteurella, Pneumonia, Respiratory diseases, Sheep, Staphylococcus, Streptococcus.

7912-69

NABOTHIAN CYSTS IN BUFFALO CERVIX. C R Sane B R Deshpande D P Velhankar R M Bhandari

Indian Vet J 46(1):29-32 Jan 1969 41.8 IN2

Buffaloes, Cervical malformation, Cysts, Livestock diseases, Reproductive organs.

7913-69

DIAGNOSTIC POTENTIALITIES OF INDIRECT HEMAGGLUTINATION TEST IN CHICKEN ARTIFICIALLY INFECTED WITH SALMONEL-LA.

V A Sapre M L Mehta Indian Vet J 46(3):183-190 REF

Mar 1969 41.8 IN2

Antigens, Fowl typhoid, Hemagglutination, Infectious diseases, Poultry, Pullorum disease, Salmonella.

7914-69

ACTINOMYCOSIS OF CATTLE, WITH CONSIDERATION OF ATYPICAL LOCALISATION. (GE)

H G Sattler

Monatsh Vet 23(16):607-613 15 Aug 1968 41.8 M742

Actinomycosis, Cattle, Livestock diseases. English and Russian summaries.

7915-69

DIAGNOSIS OF RINDERPEST.

G R Scott

Food Agr Organ UN FAO Agr Stud (71):141P REF

1967 28 F73

Diagnosis, Epizootic diseases, Methodology, Microorganisms, Rinderpest, Rinderpest virus, Serological tests, Virology, Virus diseases (animals).

7916-69

POULTRY DISEASES. OLD DISEASES UNDER CONTROL, BUT NEW ONES RAISE THEIR HEADS.

C M Singh

Indian Farming 18(9):28-29

Dec 1968 22 IN283

Epizootic diseases, Poultry diseases, Surveys.

7917-69

PATHOLOGY OF CAPRINE LIVER INFESTED WITH GIGANTOCOTYLE EXPLANATUM (CREPLIN 1847).

P N Singh P B Kuppuswamy Indian Vet J 46(3):209-210 Mar 1969 41.8 IN2

Bile ducts, Goats, Hematology, Infectious diseases, Liver.

7918-69

CONTROLLING FOOTROT - EQUIPMENT USED IN THE ARMIDALE QUARANTINE AREA.

M G Smeal

Agr Gaz New S Wales 80(2):71-75

Feb 1969 23 N472

Chemical control (animal diseases), Dairy equipment, Foot rot (animals), Formaldehyde, Fusiformis nodosus, Infectious diseases, Quarantine, Sheep.

7919-69

PHYCOMYCOSIS AND ASPERGILLOSIS OF CATTLE.

J M B Smith

New Zeal Vet J 16(10-11, OCT-NOV): 166

Oct 1968 41.8 N483

Animal diseases, Aspergillosis, Cattle, Phycomycosis.

7920-69

COMPARATIVE CHROMATOGRAPHIC STU-DIES ON DEAE-SEPHADEX BETWEEN HEMAGGLUTININS OF JBE VIRUS (NAKAYAMA STRAIN) AND A CLOSE STRAIN ISOLATED IN VIET-NAM. (FR) J Tamalet M Brahic

Paris Soc Biol Compt Rend 161(5):1126-1130 25 Nov 1967 442.9 P21

Chromatography, Hemagglutination, Japanese b encephalitis virus, Methodology.

7921-69

IMMUNOGENIC VALUE OF BIVALENT VAC-CINE OF ATIPIC FOWL PEST AND FOWL POX PRODUCED ON TISSUE CULTURE. (SE) B Vasic N Vasic V Nedic D Tadic Z Kesic

Vet Glas 22(11):945-951 REF

1968 41.8 J93

Fowlpox, Immunology, Newcastle disease, Newcastle disease virus, Poultry diseases, Tissue culture, Vaccines, Viruses. English and Russian summaries.

7922-69

PURIFICATION AND CHARACTERIZATION OF BLUETONGUE VIRUS.

D W Verwoerd

Virology 38(2):203-212 REF

Jun 1969 448.8 V81

Bluetongue virus, Morphology, Sheep. English summary.

7923-69

ABDOMINAL FAT NECROSIS AS A HERD PROBLEM IN GEORGIA CATTLE.

D J Williams D E Tyler E Papp

Amer Vet Med Ass J 154(9):1017-1021 REF 01 May 1969 41.8 AM3

Cattle, Intestines, Necrosis, Tissues. English summary.

7924-69

WHAT YOU CAN DO TO KEEP CHOLERA ERADICATION MOVING.

R Wilmore

Farm J H12-H14

Apr 1969 6 F2212C

Hog cholera, Legislation.

7925-69

RIBONUCLEIC ACIDS SYNTHESIZED IN VENEZUELAN EQUINE ENCEPHALITIS-IN-FECTED CELLS.

V M Zhdanov F I Yershov L V Uryvayev Virology 38(2):355-358

Jun 1969 448.8 V81

Cells, Horses, Ribonucleic acid, Venezuelan equine encephalitis virus.

ARTHROPODS

7926-69

LIVING CERATOPOGONID LARVAE (DIPTERA) IN THE INTESTINES OF FISH. (GE)

A Kureck

Entomol Z 79(1-2):12

15 Jan 1969 421 EN85

Ceratopogonidae, Fish, Intestines, L arvae, Parasitic insects.

7927-69

HOUSE FLY, MUSCA DOMESTICA, CONTROL WITH CHEMOSTERILANTS AND INSECTICIDES.

D W Meifert G C LaBrecque J R Rye

Fla Entomol 52(2):55-60

May 1969 420 F662

Biological control (insects), Chemical control (insects), Chemosterilants, Coumaphos, Dimethoate, Hempa, Musca domestica, Poultry, Swine, Thiourea, Trichlorfon.

Field tests in poultry-caged-layer operations showed that hempa plus thiourea, hempa in sugar bait, trichlorfon in granular sugar bait and dimethoate in water all gave good control of house flies, Musca domestica. Releases of sterile flies in pig-rearing establishment combined with weekly larvicide treatments reduced the field fly population by more than 5-fold.

7928-69

ECOLOGY OF LICE ON SHEEP. VII. POPULATION DYNAMICS OF DAMALINIA OVIS (SCHRANK).

M D Murray G Gordon

Australian J Zool 17(2):179-186 REF

Apr 1969 410 AU73

Bovicola ovis, Insect ecology, Population, Sheep.

7929-69

DIELTAMID-SPRAY AS AN ANT REPELLENT. (GE)

D Novak

Angew Parasitol 10(1):63

Feb 1969 436.8 AN4

Deet, Insect repellents, Monomorium pharaonis.

PARASITES

7030-60

THE SEQUENTIAL DEVELOPMENT OF NATURALLY OCCURRING OSTERTAGIASIS IN CALVES.

N Anderson J Armour F W Jennings J S D Ritchie G M Urquhart

Res Vet Sci 10(1):18-28 REF

Jan 1969 41.8 R312

Calves, Ostertagiasis. English summary.

7931-69

THE SYNTHESIS OF FATTY ACIDS FROM ACETATE BY INTACT TISSUE AND MUSCLE EXTRACT OF ASCARIS LUMBRICOIDES SHILLING

C G Beames B G Harris F A Hopper Compar Biochem Physiol 20(2):509-521 REF

Feb 1967 444.8 C73 Acetates, Ascaris lumbricoides, Biochemistry, Fatty acids, Muscles, Radioactive tracers, Tissues.

7932-69

STUDIES ON MEMBRANE TRANSPORT. V. TRANSPORT OF LONG CHAIN FATTY ACIDS IN HYMENOLEPIS DIMINUTA (CESTODA).

L H Chappell C Arme C P Read Biol Bull 136(3):313-326 REF

Jun 1969 442.8 B52

Biochemistry, Biological transport, Fatty acids, Hymenolepis diminuta.

7933-69

SPECTROPHOTOMETRIC STUDIES ON THE SUCCINATE OXIDASE SYSTEM OF TAENIA HYDATIGENA.

K S Cheah

Compar Biochem Physiol 20(3):867-875 REF Mar 1967 444.8 C73

Biochemistry, Physiology, Spectrophotometry, Succinic oxidase, Taenia hydatigena.

7024 60

HISTOCHEMICAL AND SPECTROPHOTOMETRIC DEMONSTRATION OF PEROXIDASE IN MONIEZIA EXPANSA (CESTODA).

K S Cheah

Compar Biochem Physiol 21(2):351-355 REF May 1967 444.8 C73

Aging, Histochemistry, Moniezia expansa, Peroxidases, Spectrophotometry.

7935-69

STEROLS IN ASCARIS LUMBRICOIDES.

R J Cole L R Krusberg

Compar Biochem Physiol 21(1):109-114 REF Apr 1967 444.8 C73

Ascaris lumbricoides, Biochemistry, Sex, Sterols.

7936-69

THE COMPARATIVE BIOCHEMISTRY OF DEVELOPING ASCARIS EGGS-VII. MALATE OXIDATION AND METABOLISM IN UNEMBRYONATED EGGS.

L C Costello W Smith H Dya

Compar Biochem Physiol 21(1):161-170 REF

LIVESTOCK PROTECTION

7937-69

Apr 1967 444.8 C73

Ascaris lumbricoides, Biochemistry, Malate, Metabolism.

7937-69

ENDOCARDITIS IN HORSES. (GE)

M A Dobin

Monatsh Vet 23(16):630-633

15 Aug 1968 41.8 M742

Aorta, Endocarditis, Horses, Larvae, Livestock diseases, Parasitism. English and Russian summaries.

ANTIGENS OF MONIEZIA EXPANSA: FL U ORESCENT ANTIBODY LOCALIZATION. A E Duwe

Amer Microscop Soc Trans 86(2):126-131 REF Apr 1967 440.9 AM33

Antibodies, Antigens, Electrophoresis, Immunofluorescence, Moniezia expansa, Serological

7939-69

ON THE X-RAY DIAGNOSTICS OF IN-TESTINAL HELMINTHIASES OF POULTRY. (CZ)

K Fried J Jantosovic

Czech Min Zemed Les Hospod Ustav Vedeckotech Inform Vet Med 14(2):147-154

Feb 1969 41.9 C333

Diagnosis, Helminthiasis, Intestines, Poultry diseases, X-rays. Russian, English and German ab-

7940-69

SYNGENEIC MARROW GRAFT: EFFECT ON PERSISTENCE OF PREIRRADIATION I MMUNITY TO HYMENOLEPIS NANA IN MICE.

W Friedberg B R Neas M H Friedberg D N Faulkner

Soc Exp Biol Med Proc 124(3):792-793

Mar 1967 442.9 SO1

Hymenolepis nana, Immunity, Mice, Tissue grafting, X-rays.

7941-69

ISOLATION OF COLLAGENS OF HIGH HYDROXYPROLINE, HYDROXYLYSINE AND CARBOHYDRATE CONTENT FROM MUSCLE LAYER OF ASCARIS LUMBRICOIDES AND PIG KIDNEY.

D Fujimoto

Biochim Biophys Acta 168(3):537-543 REF 03 Dec 1968 381 B522

Amino acids, Ascaris lumbricoides, Carbohydrates, Collagen, Hydroxylysine, Hydroxyproline, Muscles, Swine.

CATALASE INHIBITION IN ASCARIDIA GAL-LI. (GE)

J Hovorka J Bencko P Lestan Angew Parasitol 10(1):14-20 REF

Feb 1969 436.8 AN4

Ascaridia galli, Biochemistry, Catalase, Enzymes. English and Russian abstracts.

METABOLISM OF ASCAROSIDES IN THE OVARIES OF ASCARIS LUMBRICOIDES (NE-MATODA).

P F Jezyk D Fairbairn

Compar Biochem Physiol 23(3):707-719 REF Dec 1967 444.8 C73

Anthelmintics, Ascaris lumbricoides, Metabolism, Ovaries.

ASCAROSIDES AND ASCAROSIDE ESTERS IN ASCARIS LUMBRICOIDES (NEMATODA).

P F Jezyk D Fairbairn

Compar Biochem Physiol 23(3):691-705 REF Dec 1967 444.8 C73

Anthelmintics, Ascaris lumbricoides, Biochemistry, Chromatography, Histochemistry.

7945-69

THE INFLUENCE OF SOME BIOLOGICAL AND ECOLOGICAL FACTORS ON THE CATALASE ACTIVITY IN ASCARIDIA GALLI.

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P Lestan J Benckd

Biologia (bratislava) 22(10):762-768

1967 442.8 B5265

Ascaridia galli, Biological assay, Catalase, Ecology, Physiology.

7946-69

HISTOCHEMICAL MAPS OF THE LIPIDS IN THE EPIDERMAL ESOPHAGUS MUSCULA-TURE OF ASCARIS SUUM AND ASCARIDIA GALLI. (CONTRIBUTION TO THE STUDY OF THE STRUCTURE OF THE EPIDERMAL ES-OPHAGUS MUSCULATURE OF MODEL ASCARIDS I.). (CZ)

P Lestan

Biologia (bratislava) 22(8):572-578 REF

1967 442.8 B5265

Ascaridia galli, Ascaris lumbricoides suum, Biochemistry, Esophagus, Histochemistry, Lipids, Muscles. German and Russian abstracts.

OBLIGATE AND OPTIONAL HOSTS FOR HEL-MINTHS. (GE)

K Odening

Angew Parasitol 10(1):21-36 REF

Feb 1969 436.8 AN4

Animals, Helminthiasis, Parasitism. English and Russian abstracts.

7948-69

THE CELLULAR PATTERN IN INVASIVE ON-COSPHERES OF HYMENOLEPIS DIMINUTA AS REVEALED BY AN ENZYME--ACETIC ACID-ORCEIN METHOD.

R E Ogren

Amer Microscop Soc Trans 86(3):250-260 Jul 1967 440.9 AM33

Cytology, Histology, Hymenolepis diminuta, Rats.

7949-69

CONTEMPORARY VIEWS ON THE IMMU-NOLOGICAL PROPHYLAXIS O MINTHOLOGICAL DISEASES. (POL)

Z Przyjalkowski

Kosmos Ser A Biol 16(5):515-524 REF 1967 442.8 K84

Helminthiasis, Immunology, Nematodes, Reviews.

7950-69

A PHYSIOLOGICAL STUDY OF THE DEVELOPMENT OF THE EGG OF FASCIOLA HEPATICA L., THE COMMON LIVER FLUKE. R A Wilson

Compar Biochem Physiol 21(2):307-320 REF May 1967 444.8 C73

Biochemistry, Fasciola hepatica, Physiology.

THE PROTONEPHRIDIAL SYSTEM IN THE MIRACIDIUM OF THE LIVER FLUKE, FASCIOLA HEPATICA L..

R A Wilson

Compar Biochem Physiol 20(1):337-342

Jan 1967 444.8 C73

Embryology, Fasciola hepatica, Kidneys, Light, Osmotic pressure, Temperature.

COMMODITY PROTECTION

7952-69

PHYTOSANITATION CAMPAIGNS CARGO UNDER THE DIRECTOR GENERAL FOR VEGETABLE SANITATION. (SP)

D L Arrieta R C Padilla Fitofilo 21(57,JAN-MAR):5-14

Mar 1968 421 F55

Freight, Fungi, Insects, Sanitation control (insccts).

7953-69

DETERMINATION OF DDT IN BIOLOGICAL MATERIAL.

G Janicek J Davider J Sci Food Agr 16(7):11-42-1

Jul 1965 382 SO12

Biological assay, DDT.

ARTHROPODS

CONTAMINATION OF BAGGED WHOLE GINGER AFTER SURFACE TREATMENT WITH TWO SYNTHETIC CONTACT INSECTI-CIDES

J A McFarlane L Donegan J Sci Food Agr 13(12):634-638 Dec 1962 382 SO12

7955-69

UTILIZATION OF AN ARTIFICIAL FOOD FOR THE TESTING OF FOOD INSECTI CIDES. (GE)

L Weismann D Podmanicka

Biologia (bratislava) 22(8):561-565

1967 442.8 B5265

Ginger, Insecticides.

Chemical control (insects), Insect nutrition, Insecticides, Mamestra brassicae, Stored product in-

ENVIRONMENTAL CONTAMINATION

7956-69

DDT YES OR NO.

Anonymous

Aerial Appl 7(6):4,10 Jul 1969 333.8 AE8

Animals, Aquatic animals, DDT, Environment, Humans, Pesticide residues, Regulations.

7957-69

COLLECTION AND ANALYSIS OF SYNTHETIC ORGANIC PESTICIDES FROM SURFACE AND GROUND WATER.

E Hindin D S May G H Dunstan

Residue Rev 7:130-156, 25 REFS., 8 TABS., 5 FIGS.

1964 389.9 R314

Acetylcholinesterase, Aldrin, Chlordane, Chromatography, Diazinon, Dieldrin, DDT, Endosulfan, Endrin, Heptachlor, Lindane, Malathion, Methoxychlor, Parathion, Ronnel, Water analysis.

RESIDUES

7958-69

DIELDRIN TRANSLOCATION AND ACCUMU-LATION IN CORN.

G B Beestman D R Keency G Chesters Agron J 61(3,MAY-JUN):390-392 REF

Jun 1969 4 AM34P Corn, Dieldrin, Plant physiology, Plant translocation, Radioactive tracers.

The stalks below the fifth node were the primary site of dieldrin localization, and contained 70 to 90 per cent of the total amount in the plant. Diel drin accumulated in corn in decreasing concentrations in the following order; flower stalks, lower leaves, upper stalks, upper leaves, cars.

7959-69

INSECTICIDES IN HUMAN FAT IN NEW ZEA-LAND.

H V Brewerton H J W McGrath New Zealand J Sci 10(2):486-492 REF Jun 1967 514 N482

Adipose tissue (animals), Analogs, Chemical analysis, Chlorinated hydrocarbons, DDT, Insecticide residues, Statistical analysis.

Initial results in a programme of analyses of human fats for persistent organo-chlorine insecticides are reported. After fifty-two analyses, mean levels of DDT and DDE were 1.6 and 3.8 p.p.m. respective-

DICLORAN ANALYSIS BY GAS CHROMATOG-RAPHY.

H V Brewerton P J Clark H J W McGrath

New Zealand J Sci 10(1):124-127

Mar 1967 514 N482

Chemical analysis, Chromatography, Dichloro-4nitroaniline, 2,6-, Fungicide residues, Strawberries,

Dichloran (2,6-dichloro-4-nitroaniline), a fungicide used in control of post harvest rots, is readily analyzed down to o.i p.p.m. by gas chromatography with electron capture detection. Dichloran treatment trials on kumaras (sweet potatoes) and strawberries resulted in residues not greater than 5.9 and 4.8 p.p.m. respectively.

PESTICIDE RESIDUES IN TOTAL DIET SAM-PLES.

R E Duggan H C Barry L Y Johnson

Weed Abs 15(2):115

Mar 1966 241 G797

Dichloro-2,2-bis(p-chlorophenyl) ethylene, 1,1-, Dieldrin, Diet, DDT, Food, TDE.

7962-69 INSECTICIDE EXPOSURE: A SEN FOR URINARY SENSITIVE PROCEDURE FOR URINARY P-NITROPHENOL DETERMINATION AS A MEASURE OF EXPOSURE TO PARATHION.

J W Elliott K C Walker A E Penick W F Durham J Agr Food Chem 8(2):111-113

Mar 1960 381 J8223

Acetonitrile, Chlordane, Coumaphos, Dimethoate, DDT, Humans, Insecticide residues, Par nitrophenol, Parathion, Pesticide analysis, Urine.

SPECIFIC DETECTION OF UREA HERBICIDE RESIDUES BY SEPARATION OF THEIR AMINES ON CELLULOSE THIN-LAYER PLATES.

H Geissbuhler D Gross

J Chromatography 27(1):296-299

Mar 1967 475 J824

Amines, Analogs, Chemical analysis, Chromatography, Herbicide residues, Phenylurea compounds, Urea herbicides.

7964-69

INSECTICIDE RESIDUES IN MILK AND DAIRY PRODUCTS.

J L Henderson

Residue Rev 8:74-115, 44 REFS., 10 TABS. 1965 389.9 R314

Aldrin, Chlordane, Chromatography, Dieldrin, DDT, Endrin, Food contamination, Heptachlor, Lindane, Methoxychlor, Pesticide residues, Toxaphene.

EFFECT OF PESTICIDES ON CHEMICAL COMPOSITION OF SOYBEAN SEED (GLYCINE MAX (L.) MERRILL).

B J Johnson M D Jellum

Agron J 61(3,MAY-JUN):379-380

Jun 1969 4 AM34P

Chemical analysis, Chromatography, Fatty acids, Fungicides, Herbicides, Insecticides, Oils, Pesticides, Proteins, Seeds, Soybeans.

Fatty acids, oil content and protein content of seeds were not affected by any of the herbicides, systematic insecticides, or fungicides which were applied to soybeans in this experiment. Seed yields also were not affected.

7966-69

CUTICULA OF LEAVES AND THE RESIDUE PROBLEM

H F Linskens W Heinen A L Stoffers

Residue Rev 8:136-178, 222 REFS., 12 TABS., 21

1965 389.9 R314

Dalapon, Demeton, DDT, Dusting, Parathion, Pesticide residues, Spraying.

7967-69

COLLABORATIVE STUDIES ON THE ANALY-SIS OF PESTICIDE RESIDUES.

E J Miller I Granhall J W Cook

Residue Rev 7:114-129, 5 REFS., 7 TABS., 1

1964 389.9 R314

Benzene hexachloride, Demeton-methyl, DDT, Malathion, Mercury, Methyl demeton, Pesticide residues.

ONE-STEP CLEANUP OF CHLORINATED IN-SECTICIDE RESIDUES BY CHROMATOGRAPHY ON CARBON-CELITE MIXTURES. W A Moats

Ass Offic Anal Chem J 47(3):587-591, 11 REFS., 2 TABS.

Jun 1964 381 AS7

Chromatography, DDT, Pesticide residues.

7969-69

AN IMPROVED METHOD FOR THE SEPARA-AND REMOVAL GANOCHLORINE INSECTION THIN-LAVER IN OF OR-INSECTICIDES **FROM**

B M Mulhern

J Chromatography 34(4):556-558

07 May 1968 475 J824

Chlorinated hydrocarbons, Chromatography, Insecticide residues, Methodology.

7970-69

GAS-CHROMATOGRAPHIC DETER-MINATION OF ORGANOPHOSPHORUS PESTI-CIDES. PART V. STUDIES UNDER FIELD CON-DITIONS.

J H Ruzicka J Thomson B B Wheals

J Chromatography 33(3-4):430-434

19 Mar 1968 475 J824

Chromatography, Crops, Decomposition, Hydrolysis, Irradiation, Organophosphorus compounds, Pesticides.

STUDIES ON THE ACTION OF RESIDUES OF VAPOROUS DDVP (DICHLORVOS) ON SOLID SURFACES. (IT)

G Sacca E Stella D Gandolfo

Parassitologia 10(2-3,OCT-DEC):203-209 REF Dec 1968 436.8 P212

Biological assay, Dichlorvos, Insecticide residues, Musca domestica. English abstract.

A RAPID AND SENSITIVE PROCEDURE FOR THE ROUTINE DETERMINATION OF OR-GANO-CHLORINE PESTICIDE RESIDUES IN VEGETABLES.

D J Sissons G M Telling C D Usher

J Chromatography 33(3-4):435-449 REF

19 Mar 1968 475 J824

Chlorinated hydrocarbons, Electron capture, Methodology, Pesticide residues, Quantitative analysis, Vegetables.

7973-69

PESTICIDE RESIDUES.

S Williams

Anal Chem 37(5):130R-142R, 201 REFS.

Apr 1965 381 J825A

Chlorine, Dieldrin, DDT, Heptachlor, Heptachlor epoxide, Insecticide residues, Lindane, Perthane.

TOXICOLOGY

7974-69

FISH BRAIN CHOLINESTERASE: ITS INHIBI-TION BY CARBAMATES AND AUTOMATIC ASSAY.

M B Abou-Donia D B Menzel

Compar Biochem Physiol 21(1):99-108 REF

Apr 1967 444.8 C73

Biochemistry, Brain, Carbamates, Cholinesterases, Fish, Insecticides, Toxicology.

SUSCEPTIBILITY AND RESISTANCE OF MOSQUITO FISH TO SEVERAL INSECTI-

C E Boyd D E Ferguson

J Sci Food Agr 15(12)'11-294-4

Dec 1964 382 SO12

Dieldrin, DDT, Gambusia, Heptachlor, Mortality.

EFFECTS OF INSECTICIDES ON ALGAE.

A E Christie

Water Sewage Works 116(5):172-176 REF

May 1969 290.8 M92

Algae, Carbaryl, DDT, Malathion, Metabolism, Radioisotopes, Toxicology.

RESPONSES OF CELL CULTURES TO INSECTICIDES. IV. RELATIVE TOXICITY OF SEVERAL ORGANOPHOSPHATES IN MOUSE CELL CULTURES.

J Gabliks M Bantung-Jurilla L Friedman Soc Exp Biol Med Proc 125(3):1002-1005 REF Jul 1967 442.9 SO1

Dimethoate, Disulfoton, Liver, Malathion, Mice, Organophosphorus compounds, Skin, Tissue culture, Trichlorfon.

7978-69

THE METHOD OF CONDITIONED REFLEXES IN TOXICOLOGY AND ITS APPLICATION FOR DETERMINING THE TOXICITY OF SMALL QUANTITIES OF PESTICIDES.

L I Medved' E I Spynu Iv. S Kagan Residue Rev 6:42-74, 65 REFS., 5 FIGS.

1964 389.9 R314

Aldrin, Arsenic, Chlordane, Cholinergic system, Demeton, DDT, Heptachlor, Malathion, Man-ganese, Mercury, Nervous system, Parathion, Sodium cyanide.

7979-69

EFFECTS OF VARIOUS WATER VOLUMES ON THE EFFECTIVENESS OF METHYL PARATHION-DDT IN CONTROLLING THE COTTON BOLL WEEVIL, ANTHONOMUS GRANDIS.

A D Oliver L W Sloane

J Econ Entomol 57(2):292

Apr 1964 421 J822

Anthonomus grandis, Cotton, DDT, Insect control, Insecticide application, Methyl parathion, Water.

PYRETHRUM EFFECTS ON DOMESTIC CATS. (GE)

H Petzsch

Angew Parasitol 10(1):61 Feb 1969 436.8 AN4

Cats, Insecticides, Pyrethrum, Toxicology.

PLANT PHYSIOLOGY & BIOCHEMISTRY

THE OCCURRENCE OF GIBBERELLIN-LIKE SUBSTANCES IN TUL IP BULBS. (TULIPA SP.). L H Aung A De Hertogh Plant Cell Physiol 8(1):201-205

Biological assay, Gibberellins, Plant biochemistry, Plant enzymes, Plant extracts, Plant growth regula-

GIBBERELLIN-LIKE SUBSTANCES IN THE FRUITS OF GINKGO BILOBA L..

S N Banerjee N W Radforth

Plant Cell Physiol 8(1):207-209 REF

Mar 1967 450 P699

Biological assay, Chromatography, Corn, Gibberel-lins, Ginkgo biloba, Plant extracts, Plant growth regulator.

EFFECTS OF PICLORAM AND ETHYLENE ON LEAF MOVEMENT IN HUISACHE AND MESQUITE SEEDLINGS.

J R Baur P W Morgan

Plant Physiol 44(6):831-838 REF

Jun 1969 450 P692

Acacia farnesiana, Ethylene, Herbicides, Leaves, Picloram, Plant physiology, Prosopis juliflora.

Application of picloram to roots stimulated the production of ethylene in both mesquite and huishche seedlings. Herbicide levels rose in tissues before the detection of increased ethylene production. Rates of ethylene production by various parts of the plant paralleled herbicide concentrations. In both species, picloram caused loss of leaf move-ment and epinastic curvature of leaves and stems. Only huisache was defoliated by picloram. Rates of ethylene production increased before any leaf movement or defoliation responses were detected. Fumigation of plants with ethylene caused the same symptoms as picloram treatment.

7984-69

GROWTH AND FRUIT DROP OF YOUNG FRUIT TREES SPRAYED WITH THE ACARI-CIDES DEMETON-METHYL OR TETRADIFON.

J B Briggs D J Avery

East Malling Res Sta Annu Rep (A51):173-175 1968 103 EA7

Acaricides, Apples, Chemical control (insects), Methyl demeton, Plant injuries, Plant physiology, Pre-harvest drop, Tetradifon.

INHIBITION OF STRAWBERRY RUNNER PRODUCTION WITH ALAR, CYCOCEL, MALEIC HYDRAZIDE, AND TIBA.

W H Childs O E Schubert S S Miller W Va Acad Sci Proc 39:194-200

1967 500 W 52

Chloroethyl)trimethylammonium chloride, (2-, Maleic hydrazide, Plant physiology, Plant regulators, Strawberries, Succinic acid, 2,2-dimethylhydrazide, Triiodobenzoic acid, 2,3,5-.

RADIATION GLYCEMIA IN TUBER TISSUE IN SOLANUM TUBEROSUM. (POL)

Hodowla Roslin Aklimatyzacja Nasiennictwo 11(1):75-90

1967 64.8 H66

Glycemia, Plant biochemistry, Plant extracts, Plant tissues, Potatoes, Radiation. English and Russian summaries.

RESPONSE OF TWO SPECIES OF IPOMOEA TO GIBBERELLIC ACID TREATMENT.

K Genest

Lloydia 30(2):164-176 REF

Jun 1967 442.8 L77

Flowering, Gibberellic acid, Greenhouses, Ipomoea, Plant morphology, Plant physiology, Plant reproduction.

A RAPID METHOD FOR THE DETERMINATION OF MANGANESE IN MANEB AND ITS FORMULATIONS.

A S Hyman

Analyst 94(1115):152-153

Feb 1969 382 AN1

Copper, Fungicides, Maneb, Manganese.

ION UPTAKE OF SWEET POTATO ROOTS INFECTED BY THE BLACK ROT FUNGUS.

H Imaseki K Akutsu I Uritani

Plant Cell Physiol 8(4):753-758 REF

Dec 1967 450 P699

Ceratocystis fimbriata, Fungus diseases (plants), Plant metabolism, Plant translocation, Sweet potatoes.

7990-69

GROWTH-REGULATING SUBSTANCES FROM PINUS SILVESTRIS SEPARATED ON SEPHADEX LH-20.

A Klingstrom

J Chromatography 30(2):605-606

Oct 1967 475 J824

Biological assay, Chromatography, Melampsora pinitorqua, Pinus sylvestris, Plant biochemistry.

PHYSIOLOGICAL CLASSIFICATION PLANT GROWTH INHIBITORS. (POL.) CLASSIFICATION OF

J S Knypl

Kosmos Ser A Biol 16(4):413-423 REF 1967 442.8 K84

Classification, Plant biochemistry, Plant growth inhibitors, Plant physiology.

7992-69

PYRIMIDINE DIMER FORMATION IN ULTRAVIOLET IRRADIATED TMV-RNA.

V Merriam M P Gordon

Photochem Photobiol 6(5):309-319 REF

May 1967 382 P56

Plant biochemistry, Pyrimidines, Ribonucleic acid, Tobacco mosaic virus, Ultraviolet rays.

EXPERIMENTS WITH BLACK MUSTARD (BRASSICA NIGRA) AND DISTRIBUTION OF VARYING QUANTITIES OF CALCIUM NITRATE FERTILIZER 1963 TO 1966. (DA)

A Nordestgaard

Tidsskr Plant 72(3):322-326

1968 11 T439

Brassica, Calcium nitrate, Dosage, Fertilizers, Seeds. English summary.

7994-69

APPLICATION OF THE GAMETOCIDE FW-450 FOR PRODUCING MALE STERILITY IN RADISH (RAPHANUS SATIVUS V. RADICOLA D. C.). (POL)

T Ruebenbauer A Binek

Hodowla Roslin Aklimatyzacja Nasiennictwo 11(1):91-100 REF

1967 64.8 H66

Gametocides, Plant morphology, Radishes, Sterility. English and Russian summaries.

ROLE OF GROWTH REGULATORS IN DIF-FERENTIATION PROCESSES OF MAIZE (ZEA MAYS L.) ORGANS.

Z Sladky

Biol Plant 11(3):208-215 REF

1969 450 B52

Biological assay, Chromatography, Corn, Plant hormones, Plant physiology.

PREVENTION OF PHOTOREACTIVATION OF TOBACCO MOSAIC VIRUS--RIBONUCLEIC ACID BY RECONSTITUTION.

G D Small M P Gordon

Photochem Photobiol 6(5):303-308 REF

May 1967 382 P56

Photochemistry, Plant biochemistry, Ribonucleic acid, Tobacco mosaic virus, Ultraviolet rays.

PHENOL METABOLISM IN RELATION TO DISEASE RESISTANCE OF POTATO TUBER.
II. EXPONENTIAL EQUATION RELATING
LEVELS OF PHENOLS OR PHENOLIC ENZYMES TO DISTANCE FROM LOCUS OF INJURY OF PLANT TISSUE.

K Tomiyama N Ishizaka

Plant Cell Physiol 8(1):217-220

Mar 1967 450 P699

Phenols, Phytophthora infestans, Plant disease resistance, Plant enzymes, Plant injuries, Plant metabolism, Potatoes, Statistical analysis.

PHENOL METABOLISM IN RELATION TO DISEASE RESISTANCE OF POTATO TUBER. I. ACTIVITIES OF PHENOL OXIDASE AND SOME ENZYMES RELATED TO GLYCOLYSIS AS AFFECTED BY CHLOROGENIC ACID

K Tomiyama R Sakai Y Otani T Takemori Plant Cell Physiol 8(1):1-13 REF

Mar 1967 450 P699

Chlorogenic acid, Glycolysis, Phenolases, Plant disease resistance, Plant enzymes, Plant metabolism, Potatoes, Radioactive tracers.

CHEMISTRY

7999-69

GAS CHROMATOGRAPHIC IDENTIFICATION OF CH LORINATED INSECTICIDES BASED ON THEIR U. V. DEGRADATION.

K A Banks D D Bills

J Chromatography 33(3-4):450-455 REF

19 Mar 1968 475 J824

Chemistry, Chlorinated hydrocarbons, Chromatography, Degradation, Electron capture, Insecticides, Ultraviolet rays.

8000-69

CHROMATOGRAPHIC CHARAC-CHROMATUGRAPHIC CHARAC-TERISTICS OF CHLORDANE. II. OBSERVED COMPOSITIONAL CHANGES OF THE PESTI-CIDE IN AQUEOUS AND NON-AQUEOUS EN-VIRONMENTS.

A Bevenue C Y Yeo

J Chromatography 42(1):45-52 REF

03 Jun 1969 475 J824

Chlordane, Chromatography, Pesticide analysis, Water.

8001-69

QUANTITATIVE DETERMINATION OF PESTI-CIDE RESIDUES BY ELECTRON ABSORPTION CHROMATOGRAPHY: CHARACTERISTICS OF THE DETECTOR.

S J Clark

Residue Rev 5:32-44, 16 REFS., 2 TABS., 6 FIGS.

1964 389.9 R314

Aldrin, Anthracene, Chromatography, Dicldrin, DDT, Endrin, Heptachlor, Lindane, Methoxychlor, Pesticide residues.

8002-69

GAS CHROMATOGRAPHY FOR THE ANALY-SIS OF PESTICIDES USING AEROGRAPH ELECTRON CAPTURE DETECTOR.

K P Dimick Hal Hartmann

Residue Rev 4:150-172, 7 REFS., 1 TAB., 14 FIGS.

1963 389.9 R314

Chromatography, DDT, Endosulfan, Pesticide residues.

8003-69

RECENT DEVELOPMENTS IN THE DETEC-TION AND DETERMINATION OF PESTICIDES AND THEIR RESIDUES BY OSCILLOGRAPHIC POLAROGRAPHY.

R J Gajan

Residue Rev 6:75-86, 42 REFS.

1964 389.9 R314

Azinphosmethyl, DDT, Ferbam, Methyl parathion, Parathion, Pesticide residues, Polarography, Zinch, Ziram.

APPLICATIONS OF POLAROGRAPHY FOR THE DETECTION AND DETERMINATION OF PESTICIDES AND THEIR RESIDUES.

R J Gajan

Residue Rev 5:80-90, 28 REFS., 7 FIGS.

1964 389.9 R314

Apples, Azinphosmethyl, Cucumbers, DDT, Malathion, Methoxychlor, Parathion, Pears, Pesticide residues, Polarography, Tomatoes.

8005-69

GAS CHROMATOGRAPHY USING AN ELEC-TRON ABSORPTION DETECTOR.

Residue Rev 5:21-31, 16 REFS. 2 TABS. 7 FIGS. 1964 389.9 R314

Aldrin, Carbophenothion, Chromatography, Dieldrin, DDT, Endrin, Lindane, Malathion, Pesticide residues.

8006-69

SELECTIVE DETECTION AND IDENTIFICA-TION OF PESTICIDE RESIDUES.

T Johns C H Braithwaite Jr

Residue Rev 5:45-56, 8 REFS., 2 TABS., 7 FIGS. 1964 389.9 R314

Aldrin, Chromatography, DDT, Heptachlor, Lindane, Parathion, Pesticide residues.

THIN LAYER CHROMATOGRAPHY OF SUB-STITUTED NITROANILINES AND RELATED COMPOUNDS.

C L Keswani D J Weber J Chromatography 30(1):130-135 REF Sep 1967 475 J824

Chromatography, Nitroanilines.

THE CHROMATOGRAPHIC DETERMINATION OF ORGANOPHOSPHORUS PESTICIDES.
PART III. THE EFFECT OF IRRADIATION ON THE PARENT COMPOUNDS.

T H Mitchell J H Ruzicka J Thomson B B Wheals

J Chromatography 32(1):17-23 REF 09 Jan 1968 475 J824

Chromatography, Irradiation, Organophosphorus compounds, Pesticides.

THE DETECTION OF THIRAM BY THIN LAYER CHROMATOGRAPHY.

N G Porter

J Chromatography 28(2):469-470

Jun 1967 475 J824

Chemical analysis, Chromatography, Fungicides, Thiram.

THE GAS-CHROMATOGRAPHIC EXAMINA-TION OF ORGANOPHOSPHORUS PESTICIDES AND THEIR OXIDATION PRODUCTS.

J Ruzicka J Thomson B B Wheals J Chromatography 30(1):92-99 REF

Sep 1967 475 J824

Chromatography, Organophosphorus compounds, Pesticide residues, Pesticides.

THE APPLICATION OF GEL CHROMATOGRAPHY TO THE SEPARATION OF PESTICIDES. PART I. ORGANOPHOSPHORUS PESTICIDES.

J H Ruzicka B B Wheals N F Wood J Thomson J Chromatography 34(1):14-20

26 Mar 1968 475 J824

Acetone, Chromatography, Ethyl alcohol, Organophosphorus compounds, Pesticides.

8012-69

SCREENING METHODS FOR OR-GANOCHLORINE AND ORGANOPHOSPHATE INSECTICIDES IN FOODS AND FEEDS.

B L Samuel H K Hodges

Residue Rev 17:35-72, 122 REFS., 4 TABS. 1967 389.9 R314

Aldrin, Chromatography, Dieldrin, DDT, Endosulfan, Fluorescence, Heptachlor, Lindane, Malathion, Parathion, Pesticide residues, Polarography, Spectrophotometry, Vaporization. 8013-69

A SIMPLE AND RAPID SEPARATION OF PESTICIDES BY POLYAMIDE CHROMATOG-RAPHY.

R T Wang S S Chou

J Chromatography 42(3):416-418

01 Jul 1969 475 J824

Amides, Chemical analysis, Chromatography, Pesticides.

ENGINEERING

8014-69

MECHANIZATION. **ECONOMICS** OF

F S Benecke

Agr Gaz New S Wales 80(2):98-101

Feb 1969 23 N472

Apiaries, Apiculture, Bees, Dairy equipment, Manufacturing costs, Mechanization, Production economics.

8015-69

WATER-BASE INSECTICIDES.

A S Glessner

J Sci Food Agr 16(7):12

Jul 1965 382 SO12

Allethrin, Containers, DDT, Methoxychlor, Piperonyl butoxide, Pyrethrum, Thanite.

APPLICATION OF PESTICIDES TO TOBACCO SEED-BEDS.

W F T Hartill

Rhodesia J Agr R es 6(2):71-76

1968 24 R3472 (1)

Nozzles, Pesticide application, Pesticides, Seedbeds, Spray volume, Spraying equipment, Tobacco.

INDUSTRY

EDUCATION

8017-69

EFFECTS OF 'THE USE OF PESTICIDES' FROM AN INDUSTRIAL VIEWPOINT.

L R Gardner

Residue Rev 6:23-26, 1 REF.

1964 389.9 R314

DDT, Industry, Pesticides.

REGULATIONS

FDA PUBLISHES PROPOSAL FOR RESIDUE. TOLERANCE IN MILK,.

Agr Chem 20(12):72

Dec 1965 381 AG8

Dichloro-2,2-bis(p-chlorophenyl) ethylene, 1,1-, DDT, Milk, Pesticide residues, TDE.

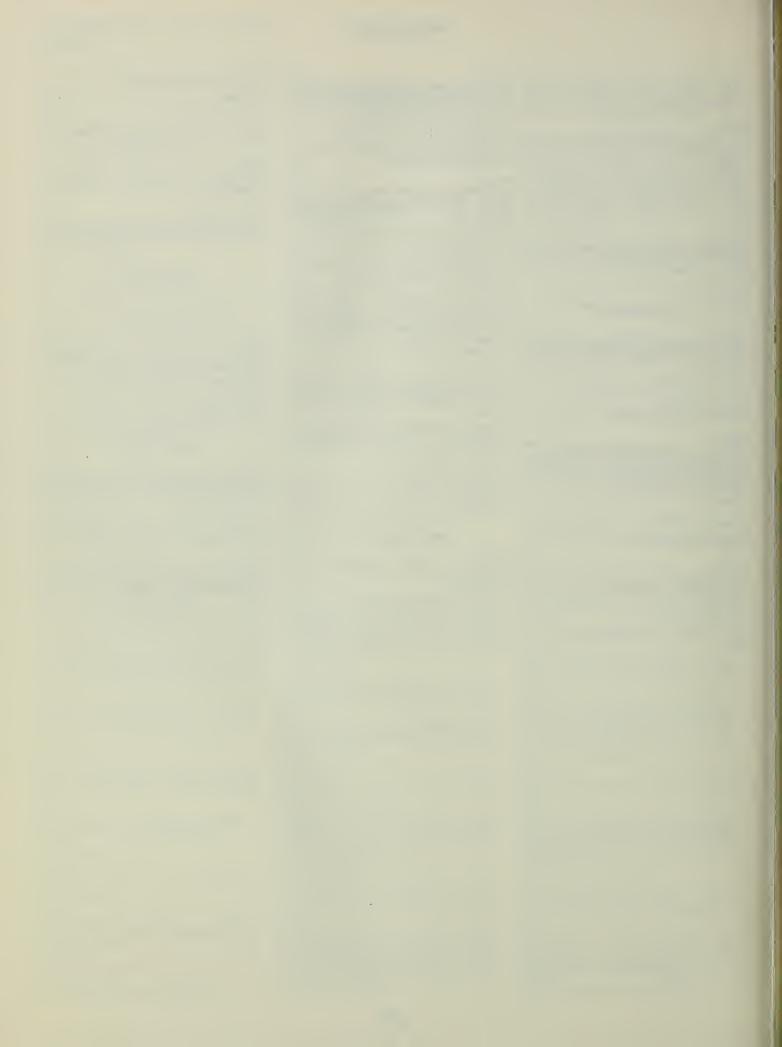
JAPANESE LAWS AND REGULATIONS CON-CERNED WITH PESTICIDE AND FOOD ADDITIVE RESIDUES IN FOODSTUFFS.

1 Suzuki

Residue Rev 4:9-16, 2 REFS., 2 TABS.

1963 389.9 R314

DDT, Food additives, Parathion, Pesticide residues.



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CULEX PIPIENS QUINQUEFASCIATUS
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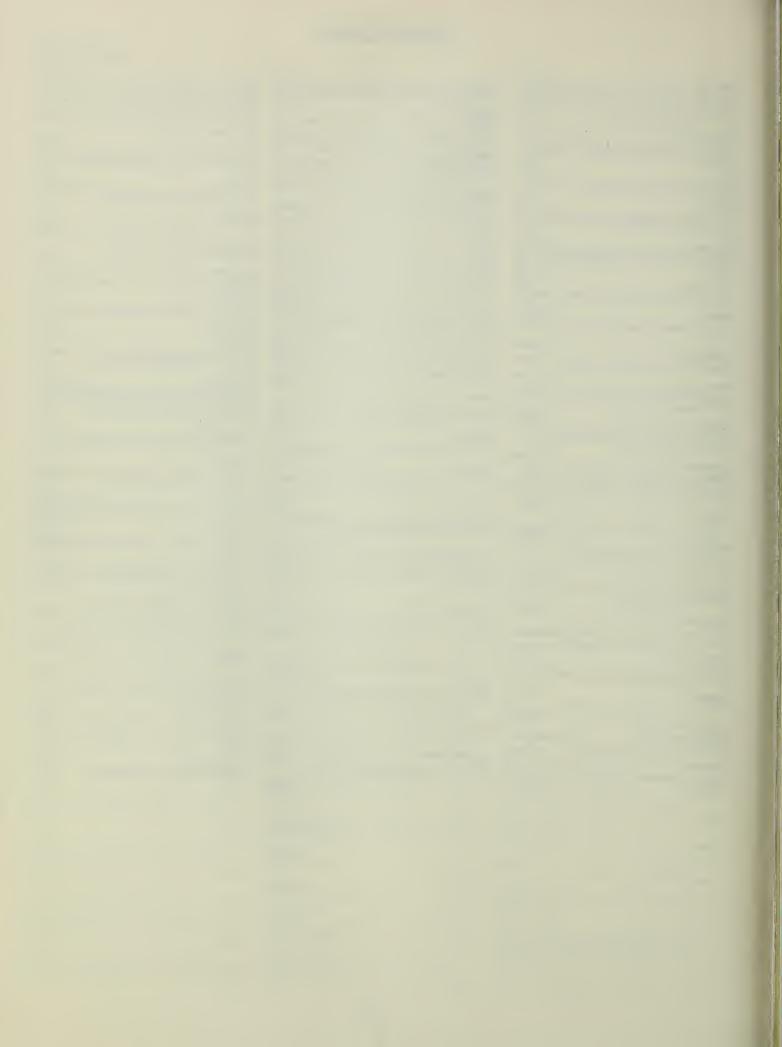
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