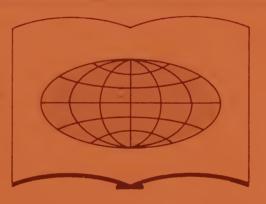


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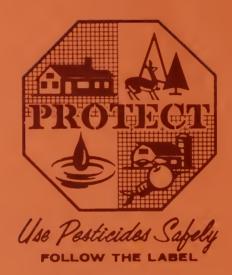
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Volume 4 October 25, 1968 Number 22



U.S. DEPARTMENT OF AGRICULTURE

PESTICIDES DOCUMENTATION BULLETIN

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

OBJECTIVES AND SCOPE

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

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

FORMAT

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

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

Citations: Each citation consists of an accession number assigned serially with the last two digits representing the Bulletin's issue year, i.e. 3286-67. The citation number (minus the year) is used in all indices. Following the accession number is the full title of the article; all personal authors; an abbreviated journal title; volume, issue and inclusive page numbers; date of publication; language abbreviation, if other than English; and the National Agricultural Library's call number. Subject descriptors, patent or grant numbers, bibliographer's notes, and abstracts or extracts may follow each citation when appropriate.

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

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

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

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

Other Files

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

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

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

Compound Tested
Company furnishing the compound
Author or Investigator
Test Sponsor
Date
Location

Mode of Application

Rates of Application Soil Types

Carriers

Crops or Weeds tested with phytotoxicity ratings

Associated documentation

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ACKNOWLEDGMENT

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

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

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

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

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



ENTOMOLOGY

20151-68

CECIDIOLOGICAL WRITINGS OF A TEACHER (WITHIN 4 MONTHS OF THE DEATH OF PROF. ALESSANDRO TROTTER). (IT)

M Di Stefano

Morcellio 34(3):119-133 REF

Dec 1967 421 M33

Cecidomyiidac, Diptera, Entomology, Reports.

20152-68

ENTOMOLOGICAL SOCIETY OF AMERICA. 1968 MEETING, DECEMBER 2- DECEMBER 5, 1968. HOTEL STATLER HILTON, DALLAS,

Entomol Soc Amer Bull 14(3):264 P.

Sep 1968 423.9 EN8

Entomology, Reports, Societies.

20153-68

CIS CASTANEUS MELL. (COL., CIIDAE)--A CORRECTION.

D K Kevan

Entomol Mon Mag 102(1229-1231):225

Oct 1966 421 EN86

Cis castaneus, Coleoptera, Nomenclature. The synonymy should read 'fusciclavis Nyholm 1933' and not 'nigriclavis' as printed.

20154-68

SPECIAL EQUIPMENT DEVELOPED FOR THE MARYLAND MOSQUITO CONTROL PRO-GRAM.

E E Lynch

N J Mosquito Exterm Ass Proc 54:72-76

Mar 1967 420 N46

Culicidac, Equipment, Insect control.

HIGHLIGHTS OF HOUSEHOLD INSECTS AND OTHER ARTHROPODS IN ONTARIO IN 1965.

C G Macnay

Entomol Soc Ontorio Proc 96:14

1965 420 ON8

Arthropoda, Houses, Insects, Time.

20156-68

CLE.

S Masaki K Umeya Y Sekiguchi R Kawasaki

Appl Entomol Zool 3(2):55

Jun 1968 SB599.A6

Aging, Biology, Hyphantria cunea, Morphology, Photoperiodism, Pupae, Research, Sampling (statistics), Temperature.

MOSQUITO CONTROL IN THE ENVIRON-MENTAL SCIENCE PICTURE.

L G Merrill

N J Mosquito Exterm Ass Proc 54:61-64

Mar 1967 420 N46

Agricultural outlook, Biology, Culicidae, Environment, Insect control, Research.

20158-68

REMARKS ON THE TRANSPORT AND THE EXPEDITION OF CULEX PIPIENS FATIGANS. (FR)

J Mouchet

World Heolth Orgon Bull 37(2):329

1967 449.9 W892B

Culcx pipiens quinquefasciatus, Experimental insects, Insect cages, Temperature.

THE MONMOUTH COUNTY CONSERVATION COUNCIL AND MOSQUITO CONTROL.

N Munch

N J Mosquito Exterm Ass Proc 54:12-15

Mar 1967 420 N46

Culicidac, Environment, Insect control, Research.

20160-68

NEW JERSEY MOSQUITO EXTERMINATION ASSOCIATION PROCEEDINGS OF THE FIFTY-FOURTH ANNUAL MEETING HELD MARCH 15, 16, AND 17, 1967, ATLANTIC CITY, NEW JERSEY.

N J Mosquito Exterm Ass Proc 54:218 P.

Mar 1967 420 N46

Agricultural outlook, Culicidae, Insect control, Insect pests, Research.

A COOPERATIVE WATER MANAGEMENT PROGRAM CONDUCTED ON MARSHES IN UTAH.

D M Rees

N J Mosquito Exterm Ass Proc 54:64-70

Mar 1967 420 N46

Culicidae, Environment, Insect control, Marshes.

20162-68

STUDIES ON ALTERNATE HOSTS OF MYZUS PERSICAE (SULZ.) IN RHODESIA.

M J P Shaw

Bull Entomol Res 58(PT.1):123-136 REF

Sep 1968 421 B87

Greenhouse culture, Myzus persicae, Plants, Potatoes, Research, Sampling (statistics), Traps.

EVOLUTION BY NATURAL SELECTION AND ITS INFLUENCE ON POPULATION FLUCTUA-TION OF INSECTS.

F Takahashi

Botyu-kagaku 33(1):25-35 REF

Feb 1968 421 B65

Ecology, Evolution, Hereditary diseases, Insect control, Insect pests, Population statistics. English summary

SYSTEMATICS

20164-68

PALAEOASEMUM CROWSONI AND P. DUF-FYI, A NEW GENUS AND TWO NEW SPECIES OF THE ASEMINI (COLEOPTERA, CERAMBYCIDAE) FROM THE BALTIC AMBER.

M Abdullah

Deut Entornol Z 14(1-2):147-152

01 Jun 1967 421 D48

Ccrambycidae, Coleoptera, Insect taxonomy, Paleoentomology. English abstract

20165-68

UNDESCRIBED SPECIES OF NF-MATOCEROUS DIPTERA, VIII.

C P Alexander

Brooklyn Entomol Soc Bull 54(5):129

Dec 1959 420 B79

Diptera, Insect anatomy, Insect taxonomy, Research.

20166-68

NEW EXOTIC CRANE-FLIES (TIPULIDAE: DIPTERA). 11.

C P Alexander

Entomol News (philodelphio) 71(9):237-243

Nov 1960 421 EN88

Entomology, Insect identification, Insect taxonomy, Tipulidae. New species are: Lechria coorgensis, Hexatoma glomerosa, protohelius nilgiricus, H. terebrella, and H. terebrina.

20167-68

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

C P Alexander

Kans Entomol Soc J 41(2):209-220

Apr 1968 420 K13

Diptera, Taxonomy, Tipulidae.

20168-68

DISTRIBUTION OF THE ALFALFA WEEVIL, HYPERA POSTICA (GYLL.) IN NEW YORK.

E J Armbrust G G Gyrisco

Entomol Soc Ontario Proc 96:112-114 MAP

1965 420 ON8

Alfalfa, Hypera postica, Insect dissemination, Zoogeography.

20169-68

RECORDS AND NOTES ON PHILIPPINE ODONATA.

S Asahina

Jop J Zool 15(4):349-376

Mar 1968 410 J27

Catalogs, Insect taxonomy, Odonata, Zoogeography.

20170-68

OCCURRENCE AND DISTRIBUTION OF THE CULEX PIPIENS COMPLEX.

A R Barr

World Health Orgon Bull 37(2):293-296 REF 1967 449.9 W892B

Breeding, Culex pipiens pipiens, Culex pipiens quinquefasciatus, Insect ecology, Insect physiology, Temperature, Zoogeography. Summary in French

CONTRIBUTION TO THE FAUNA OF THE CONGO (BRAZZAVILLE). MISSION A. VILLIERS AND A. DESCARPENTRIES LXIV. COLEOPTERA CARABIDAE. (FR)

P Basilewsky

Inst Fondomentol Afr Noire Bull Ser A Sci Natur (SER A)29(4):1732-1762

Oct 1967 515 D14

Carabidae, Catalogs, Insect taxonomy, Zoogeography.

20172-68

PATTERNS OF CROSS RESISTANCE TO OR-GANOPHOSPHATES AND CARBAMATES IN MUSCA DOMESTICA.

J D Bell

Bull Entomol Res 58(PT.1):137-151 REF

Sep 1968 421 B87

Carbamates, Insect rearing, Mechanies, Musca domestica, Organic compounds, Phosphates, Research

20173-68

WATER MITES FROM PUDDLES 'VECHTEN'. (DU)

A J Besseling

Entomol Ber 28(9):177-180

01 Sep 1968 420 N38B

Acarina, Aquatic insects, Hydrachnellae, Insect identification, Mites. German abstract

20174-68

NOTES ON BRUCHIDAE OF AMERICA NORTH OF MEXICO WITH A LIST OF WORLD GENERA.

L. J. Bottimer

Con Entomol 100(10):1009-1049 REF

Oct 1968 421 C16

Bruchidae, Geography, Insect identification, Research, Taxonomy.

20175-68

NEW COLEOPTERA FROM THE COLLECTIONS OF THE PARIS MUSEUM. (FR

Inst Fondomentol Afr Noire Bull Ser A Sci Notur (SER A)29(4):1645-1654

Oct 1967 515 D14

Cerambycidae, Coleoptera, Insect taxonomy. Zoogeography.

CONTRIBUTION TO THE DISTRIBUTION OF THE HOMOEOSOMAEPHESTIA GENERA IN RUMANIA (LEP., PYRALIDAE). (GE)

1 Capuse

Entomol Z 78(15):169-172

01 Aug 1968 421 EN85

Ephestia, Lepidoptera, Phycitidae, Pyralidae, Zoogeography. German abstract

20177-68

NEOTROPICAL MIRIDS, XCIX: A NEW GENUS AND TWO NEW SPECIES FROM BOLIVIA. (POR)

J C M Carvalho A V Fontes Rev Brasil Biol 27(4):385-390 Dec 1967 442.8 R326

Insect taxonomy, Miridae. English summary

Abstract

20178-68

THE DISTRIBUTION OF SOME HEMIPTERA IN THE BIRCH-DOMINATED WOODLANDS OF NORTHERN SCOTLAND.

M F Claridge J M Edington D M Murphy Entomologist (london) 101(1266):253-263 MAP REF

Nov 1968 421 EN8

Betula, Hemiptera, Scotland, Zoogeography.

NEW GENERIC AND SPECIFIC SYNONYMY IN ORIENTAL TACHINIDAE (DIPTERA).

R W Crosskey

Roy Entomol Soc London Proc Ser B Taxonom (SER.B)36(PT.7-8):95-108

25 Aug 1967 420 L84PB

Diptera, Insect identification, Tachinidae, Taxonomy

20180-68

THE SWEDISH HYDRELLIA SPECIES (DIP-TERA: EPHYDRIDAE). (SW)

R Dahl

Entomol Tidskr 89(1-2):19-24 10 Aug 1968 421 EN891 Catalogs, Diptera, Insect taxonomy.

20181-68

SCIENTIFIC RESULTS OF THE HUNGARIAN PEDO-ZOOLOGICAL EXPEDITION TO THE CONGO -BRAZZAVILLE. 15.-- BRENTIDAE (COLEOPTERA-CURCULIONOIDEA). (1). (FR) R Damoiseau

Inst Roy Sci Natur Belgique Bull 43(10):1-14

31 Mar 1967 504 B8350B

Brentidac, Coleoptera, Curculionidac, Insect taxonomy. French summary

HYMENOPTEROUS PARASITES OF THE HORN FLY, HAEMATOBIA IRRITANS (DIPTERA: MUSCIDAE), IN ALBERTA.

K R Depner

Can Entomol 100(10):1057-1060

Oct 1968 421 C16

Environment, Haematobia irritans, Hymenoptera, Parasitism, Research, Taxonomy.

STUDIES DELTOCEPHALINAE: NEW SPECIES OF EUTETTIX AND TWO ALLIED NEW GENERA (HOMOPTERA: CICADELLIDAE).

D M DeLong H J Harlan Ohio J Sci 68(3):139-152 May 1968 410 OH3

Cicadellidae, Eutettix, Homoptera, Research, Taxonomy

20184-68

THE GENUS KEONOLLA (HOMOPTERA, CICADELLIDAE).

D M DeLong N L Currie

Brooklyn Entomol Soc Bull 55(1):4-15

Feb 1960 420 B79

Cicadellidae, Homoptera, Insect anatomy, Insect texonomy.

SOME NEW AND LITTLE-KNOWN SPECIES OF PHILORNIS (DIPTERA: MUSCIDAE). H R Dodge

Kans Entomol Soc J 41(1):155-164

Jan 1968 420 K13

Indexing, Insect rearing, Insect taxonomy Morphology, Philornis, Research.

20186-68

TWO NEW SPECIES OF GAMASELLUS BER-LESE (MESOSTIGMATA: RHODACARIDAE) FROM CANADA.

R M Emberson Acarologia 9(2):293-303 Jul 1967 434.8 AC1 Insect taxonomy, Mites

20187-68

ON RELATIONS AND GEOGRAPHIC DISTRIBUTION OF FISH LEECHES (HIRUDINEA, PISCICOLIDAE) OF THE GENUS CARCINOB-DELLA OKA, 1910. (RUS)

V M Epstein

Zool Zhur 46(11):1648-1654 REF

Nov 1967 410 R92

Animal anatomy, Fish, Hirudinea, Zoogeography. English summary

Abstract

20188-68

CONTRIBUTION TO THE KNOWLEDGE OF STAPHYLINIDAE. XCVII. CRYPTOBIUM OF THE WESTERN PALEARCTIC. (FR.)

G Fagel

Inst Roy Sci Natur Belgique Bull 43(9):1-7

30 Apr 1967 504 B8350B

Insect taxonomy, Palcarctic Region, Staphylinidae. French summary

20189-68

NEW HYPOPES LIVING IN A PHORETIC AS-SOCIATION ON RODENTS AND MARSUPIALS (ACARINA: GLYCYPHAGIDAE). (FR)

Acarologia 9(2):415-434

Jul 1967 434.8 ACI

Insect biology, Insect taxonomy, Mites, Phoresy.

MYRMICA SCHENCKI EM. (HYM. FOR-MICIDAE) IN EAST KENT.

J C Felton

Entomol Mon Mag 102(1229-1231):244 Oct 1966 421 EN86

Environment, Formicidae, Myrmica.

CONTRIBUTION TO THE FAUNAL LIST OF THE CONGO (BRAZZAVILLE). MISSION A. VILLIERS AND A DESCARPENTRIES. LIX. COLEOPTERA DYNASTINAE AND ORPHNINAE. (FR)

M C Ferreira

Inst Fondamental Afr Noire Bull Ser A Sci Natur (SER A)29(3):1291-1298

Jul 1967 515 D14

Catalogs, Dynastidae, taxonomy, Scarabaeidae.

20192-68

CONCERNING BREED BRACONID WASPS. (GE)

M Fischer

Pflanzenschutzberichte 37(7-9):97-140 REF Apr 1968 464.9 P48

Braconidae, Breeding, Hymenoptera, Insect identification, Insect rearing, Insect taxonomy. English summary

20193-68

COSSONUS PINIPHILUS AND HEXARTHRUM CHINENSIS, TWO NEW COSSONINAE (COLEOPTERA, CURCULIONIDAE) FROM THE PALEARCTIC REGION, 9. CONTRIBUTION TO THE KNOWLEDGE OF THE PALEARCTIC COSSONINAE. (GE)

B Folwaczny

Entomol Bl 64(2):125-126 25 Oct 1968 421 EN833

Curculionidae, Insect taxonomy.

REVISION OF THE ERITRAGINI (COLEOP-TERA, TENEBRIONIDAE). (II. CONCLUSION). (GE)

H Freude

Munich Mus G Frey Entomol Arb 19:32-143 REF 01 Jun 1968 420 M923

Catalogs, Coleoptera, Insect taxonomy Tenebrionidae. Zoological collections

20195-68

A NEW CHAETADORETUS FROM ANGOLA (COL. SCARAB. RUTEL.). (GE)

G Frev

Munich Mus G Frey Entomol Arb 19:280 01 Jun 1968 420 M923

Coleoptera, Insect identification, Insect taxonomy. Scarabaeidae.

KEY TO THE CENTRAL AND SOUTH AMER-ICAN SPECIES OF THE SUBGENERA SPILOTA OF THE GENUS ANOMALA INCLUDING SOME NEW DESCRIPTIONS (COL. SCARABAEIDAE, RUTELINAE). (GE)

G Frey

Munich Mus G Frey Entomol Arb 19:281-295 01 Jun 1968 420 M923

Catalogs, Coleoptera, Insect identification. Insect taxonomy, Neotropical Region, Scarabacidae.

20197-68

NEW SPECIES OF THE GENUS MICROCA-MENTA PER. (COL. SCARABAEIDAE SER-ICINAE). (GE)

G Frey

Munich Mus G Frey Entornol Arh 19:305-309

01 Jun 1968 420 M923

Catalogs, Coleoptera, Insect identification, Insect taxonomy, Scarabaeidae.

20198-68

CONTRIBUTION TO THE FAUNAL LIST OF THE CONGO (BRAZZAVILLE), MISSION A. VILLIERS AND A. DESCARPENTRIES, LVII. COLEOPTERA COCCINELLIDAE. (GE) H Fursch

Inst Fondamental Afr Noire Bull Ser A Sci Natur

(SER A)29(3):1278-1286 Jul 1967 515 D14

Catalogs, Coccincllidae, Insect taxonomy. German abstract

SOME CHEYLETID AND PSEUDOCHEYLID MITES FROM ISRAEL.

U Gerson

Acarologia 9(2):359-369 REF

Jul 1967 434.8 AC1

Insect taxonomy, Mites

20200-68

FIRST RECORDED OCCURRENCE OF THE GENUS DIOXYS IN IDAHO (HYMENOPTERA: MEGACHILIDAE).

A R Gittins

Brooklyn Entomol Soc Bull 54(5):135

Dec 1959 420 B79

Hymenoptera, Insect taxonomy, Megachilidae.

CONTRIBUTION TO THE FAUNA OF THE CONGO (BRAZZAVILLE), MISSION A. VILLIERS AND A. DESCARPENTRIES LXVI. HYMENOPTERA BRACONIDAE. (FR.)

Ch Granger

Inst Fondamental Afr Noire Bull Ser A Sci Natur (SER A)29(4):1782-1783

Oct 1967 515 D14

Braconidae, Catalogs, Insect taxonomy.

CONTRIBUTION TO THE FAUNAL LIST OF THE CONGO (BRAZZAVILLE). MISSION A. VILLIERS AND A. DESCARPENTRIES. LXII. HYMENOPTERA SCOLIIDAE. (FR.)

D. Guiglia

Inst Fondamental Afr Noire Bull Ser A Sci Natur (SER A)29(3):1319-1320 Jul 1967 515 D14

Insect taxonomy, Scoliidae.

CALIFORNIAN **OEDIPODINE** SOME SOME CALIFORMIAN OEDITODINE
GRASSHOPPERS, PARTICULARLY THREE
SPECIES GIVEN THE SPECIFIC NAME OCCIDENTALIS BY LAWRENCE BRUNER
(ORTHOPTERA, ACRIDIDAE).

A B Gurney H F Strohecker

Brooklyn Entomol Soc Bull 54(3):77-82

Jun 1959 420 B79

Acrididae, Insect taxonomy, Orthoptera, Research.

PYGMEPHORUS SPECIES (ACARINA: PYEMOTIDAE) ASSOCIATED WITH CUL-TIVATED MUSHROOMS.

B Gurney N W Hussey Acarologia 9(2):353-358

Jul 1967 434.8 AC1

Insect biology, Insect pests, Mites, Mushrooms. English abstract

EIGHT NEW SPECIES OF THE GENUS ED-TETRANYCHUS OUDEMANS (ACARINA: TETRANYCHIDAE) OF MADAGASCAR. (FR) I Gutierrez

Acarologia 9(2):370-394

Jul 1967 434.8 AC1

Insect taxonomy, Tetranychidae. English abstract

20206-68

THE SCIENTIFIC RESULTS OF THE HUN-GARIAN SOIL ZOOLOGICAL EXPEDITION TO BRAZZAVILLE-CONGO. 16. THE GENUS PALORUS (COLEOPTERA: TENEBRIONIDAE).

D G H Halstead

Acta Zool (hudapest) 14(3-4):335-337

29 Jun 1968 410 AC85

Congo (Brazzaville), Insect taxonomy, Tencbrionidae. Russian summary

20207-68

THE IDENTITY OF MEGACHILE ROTUNDATA (FABRICIUS) AND M. ARGENTATA (FABRICIUS) (HYMENOPTERA: APOIDEA).

P D Hurd

Entornol Medd 35(1):3-10 REF

25 May 1967 421 EN82

Insect identification, Megachilidae, Zoogeography.

ON THE COLLECTION OF CRYPTOCEPHA-LUS BIGUTTATUS SCOP. (COL., CHRYSOME-LIDAE). (DA)

O Jensen

Entomol Medd 35(1):26

25 May 1967 421 EN82

Chrysomelidae, Insect taxonomy, Zoogeography. English abstract

20209-68

ON THE SYSTEMATIC ORIENTATION OF LYSANDRA CORIDON F. POLONUS (LEP., LYCAENIDAE). (GE)

R Jicha

Entomal Z 78(21):242-244

01 Nov 1968 421 EN85

Butterflies, Insect taxonomy, Lepidoptera, Lycaenidae.

A NOTE ON QUEDIUS BOOPOIDES MUNSTER AND Q. UMBRINUS AUCTT. BRIT. (COL. STAPHYLINIDAE).

C Johnson

Entomol Mon Mag 102(1229-1231):283-284

Oct 1966 421 EN86

Insect dissemination, Quedius, Zoogeography.

ON THE SYSTEMATIC POSITION OF THE GENERA MICRODONATIA BLACKBURN (COL. CHRYSOMELIDAE), (FR.)

P Jolivet

Munich Mus G Frey Entomol Arb 19:188-192 REF

01 Jun 1968 420 M923

Catalogs, Chrysomelidac, Coleoptera, Insect tax-onomy, English abstract

THE COMPLEX OF TIMARCHA SCABRIPEN-NIS FAIRMAIRE FROM MAROCCO (COL. CHRYSOMELIDAE). (FR)

P Jolivet

Munich Mus G Frey Entoniol Arb 19:229-236 MAP, REF

01 Jun 1968 420 M923

Catalogs, Chrysomelidae, Coleoptera, Insect identification, Insect taxonomy, Zoogeography. English abstract

CONTRIBUTION TO THE KNOWLEDGE OF THE GENUS SYACHIS F. BATES (COLEOP-TERA, TENEBRIONIDAE). (GE)

Munich Mus G Frey Entomol Arb 19:296-299 01 Jun 1968 420 M923

Catalogs, Coleoptera, Insect identification, Insect taxonomy, Tenebrionidae.

20214-68

NOTES ON THE TAXONOMY OF CULICOIDES FROM LOUISIANA (DIPTERA: LOUISIANA CERATOPOGONIDAE).

Khalaf

Kans Entomol Soc J 39(2):227-230

Apr 1966 420 K13

Culicoides, Insect identification, Insect taxonomy, Research.

20215-68

MAIN RESULTS AND DIRECTIONS OF PROTOZOOLOGICAL STUDIES IN THE USSR.

E M Kheissin

Zool Zhur 46(11):1603-1629 REF

Nov 1967 410 R92

Animal diseases, Parasitism, Protozoa, Taxonomy. English summary

Abstract

A REVISION OF THE SPECIES OF CISTHENE KNOWN TO OCCUR NORTH OF THE MEXICAN BORDER (LEPIDOPTERA: ARCTIDAE: LITHOSIINAE).

C B Knowlton

Amer Entomol Soc Trans 93(1):41-100 REF Mar 1967 420 P53

Lepidoptera, Taxonomy, Zoogeography.

20217-68

A LIST OF EPHEMEROPTERA IN THE ENTOMOLOGY MUSEUM AT MICHIGAN STATE UNIVERSITY.

R W Koss

Eatonia 9:2-6

06 Dec 1968 432 EA82

Catalogs, Ephemeroptera.

20218-68

STUDIES THE MEXICAN DELTOCEPHALINAE: ALIGIA AND SOME NEW APPLIED GENERA AND SPECIES (HOMOPTERA: CICADELLIDAE).

J P Kramer D M Del.ong

Ohio J Sci 68(3):169-175

May 1968 410 OH3

Cicadellidae, Homoptera, Research, Taxonomy.

A NEW GENUS AND SPECIES OF PSENINI FROM THE SOUTHWESTERN DESERTS (HYMENOPTERA, SPHECIDAE).

K U Krombein

Brooklyn Entomol Soc Bull 54(1):18-21

Feb 1959 420 B79

Insect anatomy, Insect genetics, Insect taxonomy, Psenini.

20220-68

BIOLOGICAL NOTES ON SEVERAL SOUTH-WESTERN GROUND-NESTING WASPS (HYMENOPTERA, SPHECIDAE).

K V Krombein

Brooklyn Entomol Soc Bull 55(3):75-79

Jun 1960 420 B79

Hymenoptera, Insect genetics, Insect taxonomy, Sphecidae.

HOST RECORDS FOR SOME NORTH AMERICAN POMPILIDAE (HYMENOPTERA) WITH A DISCUSSION OF FACTORS IN PREY SELEC-TION.

F E Kurczewski E J Kurczewski Kans Entomol Soc J 41(1):1-33 REF

Jan 1968 420 K13

Geography, Morphology, Pompilidae, Priocnemis, Research

20222-68

THE NOCTURNAL INSECT CATCHES AT PREDETERMINED TIME INTERVAL IN THE ORGANIC SOIL DISTRICT OF STE. CLOTILDE, SOUTHWESTERN QUEBEC.

I Lafrance

Entomol Soc Quebec Ann 13(1):32-53

Jan 1968 420 EN822

Coleoptera, Insect dissemination, Lepidoptera, Light traps, Research, Social insects, Soil organic matter, Temperature, French summary

BUTTERFLIES; COLLECTING AND PREPARA-TION. ED 2. QL465.L32. (da

T W Langer

86P 1968

Butterflies, Insect collecting equipment.

SCORPIONS OF MOROCCO. (FR.) Y Le Corroller

Inst Pasteur Algerie Arch 45:62-71 REF

1967 448.3 IN7A Insect taxonomy, Scorpionida, Zoogeography.

The zoogeography of the scorpion fauna in Morocco is listed, with five species specific to the area.

20225-68

A NEW SCHIZAPHIS OF SOUTHERN FRANCE (HOM. APHIDIDAE). (FR)

Leclant

Soc Entomol France Ann 03(2):451-457

1967 420 F84

Aphididae, Insect taxonomy. English abstract

20226-68

MIGRATING LEPIDOPTERA IN THE NETHER-LANDS IN 1966. (DU)

B J Lempke Entomol Ber 27(12):226-240

01 Dec 1967 420 N38B

Insect migration, Lepidoptera, Netherlands, English abstract

This is a report on migrating Lepidoptera in the Netherlands in 1966. The monthly recordings of 25 species are discussed.

20227-68

THE APHIDS THAT FEED ON CACTI.

M D Leonard

Brooklyn Entomol Soc Bull 55(3):64-66

Jun 1960 420 B79

Aphididae, Habitats, Insect identification, Mammillaria, Melocactus.

20228-68

NEW GENERA AND SPI STAPHLINIDAE IN AFRICA. (FR) SPECIES OF

L Levasseur

Inst Fondamental Afr Noire Bull Ser A Sci Natur (SER A):29(3):954-977

Jul 1967 515 D14

Catalogs, Insect taxonomy, Staphylinidae. 20229-68

A NEW SPECIES OF STAPHYLININAE IN THE IVORY COAST, SUDAN AND KATANGA. (FR.) 1. Levasseur

ENTOMOLOGY

20230-68

BIBLIOGRAPHY

Inst Fondamental Afr Noire Bull Ser A Sci Natur (SER A)29(4):1624-1644

Oct 1967 515 D14

Insect taxonomy, Staphylinidae, Zoogeography.

THE USE OF FLUORESCENT TUBES IN A MODIFIED NEW JERSEY LIGHT TRAP.

L A Lewis L W Teller

N J Mosquito Exterm Ass Proc 54:163-170

Mar 1967 420 N46

Culicidae, Fluorescent lamps, Light traps, Research.

TWO NEW LEAF-HOPPERS OF THE GENUS HANDIANUS (HOMOPTERA, CICADELLIDAE). (RUS)

V N Logvinenko

Zool Zhur 46(11):1720-1721

Nov 1967 410 R92

Cicadellidae, Insect taxonomy.

Abstract

20232-68

CHIGGER MITES ON SMALL MAMMALS OF (PSORERGATIDAE: TROM-BIDIFORMES). (GE)

F S Lukoschus

Rev Iberica Parasitol 27(3-4):203-224 REF

Jul 1967 436.8 R32

Insect pests, Insect taxonomy, Mammals, Parasitism, Psorergates, Surveys, Trombiculidae, Zoogeography. German, Spanish and English summaries

Abstract

20233-68

FIVE WEEVILS NEW TO SWEDEN (COL. CUR-CULIONIDAE). (SW)

S Lundberg F Olsson

Entomol Tidskr 89(1-2):74-76

10 Aug 1968 421 EN891

Curculionidae, Insect taxonomy, Zoogeography. English abstract

20234-68

REVISION OF THE GENUS THEONE GISTL (COLEOPTERA, CHRYSOMELIDAE, GALERU-CINAE). (GE)

Munich Mus G Frey Entomol Arh 19:5-31 REF 01 Jun 1968 420 M923

Catalogs, Chrysomelidae, Colcoptera, Insect identification. German abstract

SYSTEMATIC NOMENCLATURE OF THE HITHERTO PRIVATE PUBLICATION OF MACROLEPIDOPTERA OF THE SAARLANDS.

H Martin W Schmidt-Koehl

Entomol Z 78(8):81-92

15 Apr 1968 421 EN85

Insect taxonomy, Lepidoptera.

NEW CANADIAN CRYPTINAE (ICHNEU-MONIDAE: HYMENOPTERA).

W R M Mason

Con Entomol 100(1):17-23

Jan 1968 421 C16

Cryptinae, Diprionidae, Ichneumonidae, Insect taxonomy, Lepidoptera, Mastrus laplantei, Parasitic insects. M. laplantei n. sp. attacking Diprionidae and Lepidoptera; Cryptus leechi and Mediphron dytiscivorus, n. spp.

20237-68

PRESENCE IN GAUDELOUPE OF THE OR-NITHODOROS ALECTOROBIUS PUERTO-RICENSIS (FOX, 1947) (ACARINA: IXO-DOIDEA), (FR)

P C Morel P Fauran Acorologia 9(2):338-340 Jul 1967 434.8 AC1

Ornithodoros. Argasidae, Parasitic insects, Rodents, Zoogeography.

SOME GENERIC DESCRIPTIONS AND NAME CHANGES IN THE FAMILY PHYTOSEIIDAE (ACARINA: MESOSTIGMATA).

M H Muma H A Denmark

Fla Entomol 51(4):229-240 REF

Dec 1968 420 F662

Catalogs, Mesostigmata, Phytoseiidae, Taxonomy. English abstract

20239-68

MISSOURI DISTRIBUTION OF SPECIES OF HYPERA (COLEOPTERA: CURCULIONIDAE).

R E Munson W R Enns

Kans Entomol Soc J 41(2):266-270 MAP

Apr 1968 420 K13

Coleoptera, Curculionidae, Hypera, Insect dissemination.

ENTOMOCAENOLOGICAL AND BIOLOGICAL STUDIES IN ROSA DAMASCENA MILL, PLAN-TATIONS. I. LEPIDOPTERA.

V Nikolova

Bulgarska Akad Nauk Zool Inst Muz Izv 25:127-128

1967 410.9 B872I

Catalogs, Lepidoptera, Parasitic insects, Rosa, Rosaceac, Seasonal variation. English abstract

THE GENUS XYLEBORUS EICHHOFF (COLEOPTERA, SCOLYTIDAE). SUPPLEMENT, CORRECTION AND ENLARGEMENT OF THE DIAGNOSIS. PART III. (ge)

M Nunberg

Munich Mus G Frey Entomol Arb 19:272-279

01 Jun 1968 420 M923

Catalogs, Coleoptera, Diagnosis, Insect identification, Insect taxonomy, Scolytidae.

NOTES ON THE GENUS HOMONOPSIS V. KUZNETSOV (LEPIDOPTERA, TOR-TRICIDAE).

N S Obraztsov

Entomol Ber 27(9):173-175

01 Sep 1967 420 N38B

Insect taxonomy, Lepidoptera, Tortricidae.

A TAXONOMIC STUDY OF SOME GENERA OF THE ETHIOPIAN MIRIDAE (HEMIPTERA).

T R Odhiambo

Inst Fondamental Afr Noire Bull Ser A Sci Natur (SER A)29(4):1655-1687

Oct 1967 515 D14

Insect taxonomy, Miridae, Zoogeography.

ON NEW COLLEMBOLA SPECIES FROM YU-GOSLAVIA. (GE)

A Palissa

Deut Entomol Z 15(4-5):389-398

01 Oct 1968 421 D48

Collembola, Insect taxonomy.

KNOWN AND UNKNOWN SCARABAEIDAE (HYBOSORINAE, TROGINAE, ORPHNINAE, DYNAMOPINAE, GEOTRUPINAE, AEGI-DYNAMOPINAE, ALIINAE). (GE)

Munich Mus G Frey Entomol Arb 19:179-187 01 Jun 1968 420 M923

Coleoptera. Catalogs, Insect identification, Scarabaeidae, Zoogeography.

20246-68

AFRICAN SPECIES OF THE GENUS GLARESIS ERICHSON AND ONE IN A CLOSELY RELATED NEW GENUS (TROGINAE, SCARABAEIDAE, COLEOPTERA). (GE)

R Petrovitz

Munich Mus G Frey Entomol Arb 19:257-271

01 Jun 1968 420 M923

Catalogs, Coleoptera, Insect identification, Insect taxonomy, Scarabacidae.

INFORMATION ON GERMAN FLEAS, I. ON THE TAXONOMY OF THE BIRD FLEAS (IN-SECTA, SIPHONAPTERA), (GE)

Deut Entomol Z 14(1-2):81-108 REF

01 Jun 1967 421 D48

Birds, Insect taxonomy, Siphonaptera, Zoogeography. German abstract

NOTES ON THE MUSCIDAE OF NEW GUINEA (DIPTERA). IV. SPECIES DESCRIBED BY STEIN FROM 1910 TO 1920.

A C Pont

Entomol Ber 28(9):166-174

01 Sep 1968 420 N38B

Catalogs, Diptera, Insect taxonomy, Muscidae, English abstract

A CONTRIBUTION TO THE FAUNAL LIST OF THE CONGO. (BRAZZAVILLE), MISSION A. VILLIERS AND A. DESCARPENTRIES. LVI. ORTHOPTERA TETTIGONIIDAE (FIRST NOTE). (FR)

DR Ragge

Inst Fondamentol Afr Noire Bull Ser A Sci Notur (SER A)29(3):1270-1277

Jul 1967 515 D14

Catalogs, Insect taxonomy, Tettigoniidae.

20250-68

THE GENUS DERMACENTOR (IXODIDES) IN NEBRASKA.

W F Rapp

Entomol News (philodelphio) 71(8):217-219 MAP Oct 1960 421 EN88

Dermacentor, Entomology, Insect taxonomy, Zoogeography.

20251-68

CONTRIBUTION TO THE KNOWLEDGE OF THE GENUS MEGACHILE LATR. (HYM. APIDAE): SUBGENUS EUTRICHARAEA AND ITS HITHERTO KNOWN SPECIES. (GE)

O Rehmann

Deut Entomol Z 15(1-3):21-48

15 Jul 1968 421 D48

Apidae, Catalogs, Hymenoptera, Insect identification, Insect taxonomy, Megachilidae.

STUDY OF THROMBIÐIÐAE LARVE. I. THE LARVA OF THROMBIÐIUM MEÐITERRANE-UM BERLESE, 1910. (FR)

P Robaux

Acarologia 9(2):395-410 REF

Jul 1967 434.8 AC1

Insect biology, Insect taxonomy, Larvae, Trombidiidae.

20253-68

PHYCITINEN-STUDY IV. (I.EP., PYRALIDAE). (GE)

U Roesler

Entomol Z 78(20):225-239

15 Oct 1968 421 EN85 Insect taxonomy, Pyralidae.

This is the new system of classification for German Phycitinae using four tribes, Cryptoblabini, Phycitini with two suhtribes, Cabniini and Anerastiini. Male and female genitalia are described for each tribe and subtribe.

THE COLLECTION OF DR. M. GAILLARD IN KOLDA, SENEGAL. ORTHOPTERA AND CLOSELY RELATED ORDERS. (FR.) R Roy

Inst Fondamental Afr Noire Bull Ser A Sci Natur (SER A)29(4):1538-1567 REF

Oct 1967 515 D14

Acarina, Dermaptera, Gryllidae, Insect taxonomy, Orthoptera, Planipennia, Zoogeography.

20255-68

A NEW SPECIES OF GLAUCIAS KIRKALDY FROM NEW GUINEA HETEROPTERA: PENTATOMIDAE).

H Ruckes

Brooklyn Entomol Soc Bull 54(4):101-103

Oct 1959 420 B79

Heteroptera, Insect anatomy, Insect taxonomy, Pentatomidae.

20256-68

CONTRIBUTION TO THE FAUNAL LIST OF THE CONGO (BRAZZAVILLE). MISSION A. VILLIERS AND A. DESCARPENTRIES. LX **SCARABAEIDAE** (CETONIINAE, TRICHIINAE AND VALGINAE). (FR)

G Ruter

Inst Fondamental Afr Noire Bull Ser A Sci Natur (SER A)29(3):1299-1310

Jul 1967 515 D14

Catalogs, Insect taxonomy, Scarabaeidae.

NEW SPECIES OF BANASA FROM THE CARIBBEAN AREA AND COMMENTS ON THE STATUS OF SCHRADERI SAILER (HEMIP-TERA: PENTATOMIDAE).

R I Sailer

Brooklyn Entomol Soc Bull 54(3):87-94

Jun 1959 420 B79

Hemiptera, Insect anatomy, Insect taxonomy, Pentatomidae.

20258-68

THE SYSTEMATICAL PLACEMENT OF SOME GELECHIDAE. (LEPIDOPTERA). (GE)

Deut Entomol Z 15(1-3):111-131 REF

15 Jul 1968 421 D48

Gelechiidae, Insect taxonomy, Lepidoptera, Moths, Zoogeography.

STUDIES ON THE MACROLEPIDOPTERA FAUNA OF THE SAARLANDS. (GE)

W Schmidt-Koehl

Entomol Z 78(6):57-71 REF

15 Mar 1968 421 EN85

Insect taxonomy, Macrolepidoptera.

20260-68

ON THE ORTHOCLADIINAE **GENUS** HELENIELLA (DIPTERA, **GOWIN** CHIRONOMIDAE). (FR)

B Serra-Tosio

Deut Entomol Z 14(1-2):153-162

01 Jun 1967 421 D48

Chironomidac, Diptera, Insect taxonomy. French abstract

20261-68

BIOLOGY OF MELANOZETES MOLLICOMUS (KOCH) (ORIBATEI, CERATOZETIDAE). (RUS

E S Shaldybina

Zool Zhur 46(11):1659-1667 REF

Nov 1967 410 R92

Ceratozetidae, Insect morphology, Mclanozetcs, Metamorphosis, Oribatei. English summary

Abstract

20262-68

THE CULEX PIPIENS FATIGANS PROBLEM IN SOUTH-EAST ASIA. WITH SPECIAL REFERENCE TO URBANIZATION.

World Health Organ Bull 37(2):239-243 REF 1967 449.9 W892B

Breeding, Culex pipiens quinquefasciatus, Demography, Filariasis, Human diseases, Insect physiology, Population statistics, Sanitation, Urbanization. Summary in French

20263-68

A NEW TENEBRIONID GENUS AND SPECIE FROM CENTRAL ASIA (COLEOPTERA-TENEBRIONIDAE-PIMELIINI). (GE)

N G Skopin

Munich Mus G Frey Entomol Arb 19:300-304 01 Jun 1968 420 M923

Catalogs, Coleoptera, Insect identification, Insect taxonomy, Tenebrionidac.

20264-68

CONTRIBUTION TO THE STUDY OF LYCAENIDAE OF TROPICAL AND EQUATORIAL AFRICA. (FR)

H Stempffer

Inst Fondamental Afr Noire Bull Ser A Sci Natur (SER A)29(3):978-1000

Jul 1967 515 D14

Catalogs, Insect taxonomy, Lycaenidae.

20265-68

A REPORT ON THE BLACKFLIES (SIMU-LIIDAE) OF DELAWARE. II. DESCRIPTION AND DISCUSSION OF BLACKFLY HABITATS.

D W S Sutherland R F Darsie

Brooklyn Entomol Soc Bull 55(3):53-61 REF MAP

Jun 1960 420 B79

Habitats, Insect collecting equipment, Insect taxonomy, Research, Simuliidae.

THE MALE GENITALIA OF DROSOPHILA POPULI WHEELER AND THROCKMORTON (DIPTERA; DROSOPHILIDAE).

H Takada

Brooklyn Entomol Soc Bull 55(5):144-

Dec 1960 420 B79

Diptera, Drosophilidae, Insect anatomy, Insect genetics, Reproductive organs.

20267-68

THE TACHINIDS OF TRINIDAD. VIII. PHOROCERINES.

W R Thompson

Entomol Soc Can Mem 56:207P. REF 1968 420 EN824

Entomology, Tachinidae, Taxonomy, Zoogeography. Memoirs of Entomological Society of Canada

20268-68

THE GENUS MUCROBEROTHA TJED. AND ITS SYSTEMATIC POSITION (NEUROPTERA).

B Tjeder

89(1-2):3-18 MAP

10 Aug 1968

Catalogs, Insect taxonomy, Neuroptera, Zoogeography. English abstract

20269-68

THREE SPECIES OF PROCTOLAELAPS (ACARINA, MESOSTIGMATA) FROM NOCTUID MOTHS.

A E Treat L Niederman

Amer Mus Novitates 00(2312):1-12 REF

30 Nov 1967 500 N4830N

Lepidoptera, Mites, Noctuidae, Proctolaclaps, Taxonomy.

20270-68

HISPINAE FROM THE G FREY MUSEUM. PART 5. 231. CONTRIBUTION TO THE KNOWLEDGE OF THE HISPINAE (COLEOPT. CHRYSOMELIDAE). (GE)

E Uhmann

Munich Mus G Frey Entomol Arb 19:248-253

01 Jun 1968 420 M923

Catalogs, Chrysomelidae, Coleoptera, Insect identification, Insect taxonomy.

20271-68

THE HEMIPTERA CIMICIDAE NEW TO CEN-TRAL AFRICA. (FR)

R L Usinger J Carayon

Inst Fondamental Afr Noire Bull Ser A Sci Natur (SER.A)29(4)YHFWW-E&XH

Oct 1967 515 D14

Cimicidae, Insect taxonomy.

20272-68

THE LARGE SCORPION OF SENEGAL: PANDINUS GAMBIENSIS, POCOCK 1899 SHOULD BE CONSIDERED AS A TRUE SPECIES AND NOT A SUB-SPECIES OF PANDINUS IMPERATOR C. L. KOCH 1842. (FR)

M Vachon

Inst Fondamental Afr Noire Bull Ser A Sci Natur (SER A)29(4):1534-1537

Oct 1967 515 D14

Insect taxonomy, Scorpionida.

CONTRIBUTION TO THE STUDY OF DIP-TEROUS MALACOPHAGES VI. PHERBELLIA FUSCIPES (MACQUART, 1835), A VALID PALEARCTIC SPECIES, SIMILAR TO P. DOR-SATA (ZETTERSTEDT, 1846) (DIPTERA SCIO-MYZIDAE). (FR)

J Verbeke

Inst Roy Sci Natur Belgique Bull 43(40):1-9

31 Dec 1967 504 B8350B

Diptera, Insect identification, Palearctic Region, Sciomyzidae, Zoogeography. French abstract

CONTRIBUTION TO THE STUDY OF DIPTERA MALACOPHAGE. IV. IDENTIFICATION OF PHERBELLIA OBTUSA (FALLEN) (1820) AND THE DESCRIPTION OF A NEW PALEARCTIC SPECIES PHERBELLIA ARGYRA SP. N. (DIPTERA SCIAMYZINAE) TERA, SCIOMYZIDAE).

J Verbeke

Inst Roy Sci Natur Belgique Bull 43(6):1-9 MAP 10 Apr 1967 504 B8350B

Diptera, Insect biology, Insect taxonomy, Larvae, Parasitism, Pherbellia argyra, Pherbellia obtusa, Sciomyzidae, Zoogeography. French summary

NEOSCHOENGASTIA BREVIPALPIS ANDRE 1946 IS A TRUE CHELADONTA (ACARINA, TROMBICULIDAE).

P H Vercammen-Grandjean M Andre Acarologia 9(2):411-414 REF

Jul 1967 434.8 AC1

Insect taxonomy, Trombiculidae. English abstract

ON THE COMPOSITION OF SOME TRIBES OF THE SUBFAMILY PIMPLINAE (HYMENOP-TERA, ICHNEUMONIDAE). (RUS)

G A Viktorov

Zool Zhur 46(11):1676-1683 REF

Nov 1967 410 R92

Ichneumonidae, Insect taxonomy, Larvae. English

Abstract

20277-68

CONTRIBUTION TO THE FAUNA OF THE CONGO (BRAZZAVILLE). MISSION A. VILLIERS AND A. DESCARPENTRIES LXVII. HEMIPTERA PENTATOMIDAE. (FR.)

A Villiers

Inst Fondamental Afr Noire Bull Ser A Sci Natur (SER A)29(4):1784-1811)

Oct 1967 515 D14

Catalogs, Insect Pentatomidac. taxonomy, Zoogeography.

20278-68

CONTRIBUTION TO THE FAUNAL LIST OF THE CONGO (BRAZZAVILLE). MISSION A. VILLIERS AND A. DESCARPENTRIES. LVIII. COLEOPTERA PASSALIDAE. (FR)

M A Vulcano P F S Pereira

Inst Fondamental Afr Noire Bull Ser A Sci Natur (SER A)29(3):1287-1290

Jul 1967 515 D14

Catalogs, Insect taxonomy, Passalidae.

A NEW SUBGENUS AND TWO NEW SPECIES OF PSEUDIASTATA COQUILLET (DIPTERA, DROSOPHILIDAE).

20280-68

M R Wheeler

Brooklyn Entomol Soc Bull 55(3):67-70

Jun 1960 420 B79

Diptera, Drosophilidae, Insect anatomy, Insect taxonomy

NOTES ON ALASKAN DROSOPHILIDAE (DIP-TERA), WITH THE DESCRIPTION OF A NEW SPECIES.

M R Wheeler L H Throckmorton

Brooklyn Entomol Soc Bull 55(5):134-143 MAP Dec 1960 420 B79

Chymomyza, Diptera, Drosophilidae, Habitats, Insect identification, Insect taxonomy, Scaptomyza.

THE TRICORYNUS OF MEXICO (COLEOP-TERA: ANOBIIDAE).

R E White

Amer Entomol Soc Trans 93(1):1-40 REF

Mar 1967 420 P53

Anobiidae, Coleoptera, Indexing, Taxonomy.

20282-68

WASPS FROM ISRAELI FICUS SYCOMORUS AND RELATED EAST AFRICAN SPECIES (HYMENOPTERA, CHALCIDOIDEA). AGAONIDAE (CONCLUDED) AND SYCOPHAGINI.

J T Wiebes

Leiden Rijksmus Natuur Hist Zool Mededel 42(28):307-320 MAP REF

25 Sep 1968 410.9 L59 Chalcididae, Hymenoptera, Insect taxonomy.

20283-68

A REVISION OF THE NEOTROPICAL BITING MIDGES OF THE HYLAS GROUP OF CULI-COIDES (DIPTERA, CERATOPOGONIDAE).

W W Wirth F S Blanton

Fla Entomol 51(4):201-215 REF

Dec 1968 420 F662

Ceratopogonidae, Culicoides, Insect taxonomy, Neotropical Region. English abstract

20284-68

THE GENUS PELLUCIDOMYIA MACFIE (DIP-TERA, CERATOPOGONIDAE).

W W Wirth

Brooklyn Entomol Soc Bull 55(1):1-3

Feb 1960 420 B79

Ceratopogonidae, Diptera, Insect anatomy, Insect taxonomy

20285-68

PACHYHELEA, A NEW GENUS OF AMERICAN CERATOPOGONIDAE RELATED TO PALPO-MYIA (DIPTERA).

W W Wirth

Brooklyn Entomol Soc Bull 54(2):50-52

Apr 1959 420 B79

Ceratopogonidae, Insect anatomy, Insect taxonomy.

20286-68

THE GENUS PARADASYHELEA MACFIE, WITH DESCRIPTIONS OF TWO NEW SPECIES FROM EASTERN AUSTRALIA (DIPTERA: CERATOPOGONIDAE).

W W Wirth D J Lec

Brooklyn Entomol Soc Bull 54(4):114-121

Oct 1959 420 B79

Ceratopogonidae, Diptera, Insect anatomy, Insect taxonomy, Pupae.

20287-68

A NEW SPECIES OF OSBORNIELLA (MAL-MENOPONIDAE) LOPHAGA: **FROM** TRINIDAD.

J S Wiseman

Kans Entomol Soc J 39(2):355-356

Apr 1966 420 K13

Insect identification, Insect taxonomy, Osborniella, Research.

20288-68

NEW DANISH LEAFROLLER, LASPEYRESIA CONICOLANA HEYLAERTS (LEP., TORTR.). (DA)

N. L. Wolff

Entomol Medd 35(1):23-25

25 May 1967 421 EN82

Insect taxonomy, Olethrcutidae, Zoogeography. English abstract

20289-68

FURTHER NOTES ON SOME HEMIPTERA AND COLEOPTERA FROM THE ISLES OF SCILLY.

G E Woodroffe

Entomol Mon Mag 102(1229-1231):285-286 Oct 1966 421 EN86

Coleoptera, Heteroptera, Homoptera.

EVENING CREPUSCULAR ACTIVITY OF SOME IOWAN MOSQUITOFS (DIPTERA: CU-LICIDAE).

R E Wright K L Knight

Kans Entomol Soc J 41(1):45-47

Jan 1968 420 K13

Aedes, Anopholes, Culex, Light traps, Research, Suction traps.

PRELIMINARY REPORT ON OLFACTORY NEURONS SPECIFIC TO THE SEX NEURONS SPECIFIC PHEROMONE OF THE SEX AMERICAN THE COCKROACH. (JA)

M Yamada S Ishii Y Kuwahara

Botyu-kagaku 33(2):37-39

May 1968 421 B65

Electrodes, Electrophysiology, Laboratories, Periplaneta americana, Research.

A NEW SPECIES OF THE GENUS CEPHALCIA PANZER, 1805 (HYMENOPTERA: SYMPHYTA, PAMPHILIIDAE).

Zombori

Acta Zool (budapest) 13(3-4):459-464 REF 1967 410 AC85

Cephalcia. Hymenoptera, Insect taxonomy, Zoogeography.

PHYSIOLOGY AND BIOCHEMISTRY

20293-68

OOSTATIC HORMONE PRODUCTION IN HOUSEFLIES, MUSCA DOMESTICA, WITH DEVELOPING OVARIES.

T S Adams A M Hintz J G Pomonis J Insect Physiol 14(7):983-993 REF

Jul 1968 421 J825

Insect eggs, Insect morphology, Insect physiology, Musca domestica, Ovaries, Reproduction.

20294-68

SANITARY LEGISLATION OF THE WELL KNOWN CONTAGIOUS DISEASES OF BEES IN FRANCE; LOQUES, ACARINE DISEASE, NOSEMA DISEASE. (FR

P Alliaud

Lyon Ecole Nat Vet These 2:84P.

18 Jan 1967 41.2 L99

Acarine disease, Agricultural regulation, Bees, Infectious diseases, Insect diseases, Legislation, Nosema disease.

20295-68

INFLUENCE OF BIRDS ON THE OAK LEAF VIRIDANA (TORTRIX ROLLER SYNECOLOGICAL INVESTIGATIONS OF THE CROWN FAUNA OF AN OAK-HORN BEAM FORREST (PART II). (ge)

W Altenkirch

Z Angew Zool 55(1):1-69 REF 1968 449.8 Z36

Attractants, Birds, Ecology, Insect ecology, Predatory birds, Quercus, Tortricidae. English and german abstracts

STUDIES ON THE SPECIES OF THE GENUS THRIPS FROM INDIA-II.

T N Ananthakrishnan A Jagadish

Deut Entomol Z 15(4-5):359-365

01 Oct 1968 421 D48

Catalogs, Insect taxonomy, Thripidae, Thrips

EFFECT OF DESICCATION ON SURVIVAL OF THE FREE-LIVING STAGES OF TRICHOSTRONGYLUS COLUBRIFORMIS.

F L Andersen N D Levine

J Parasitol 54(1):117-128 REF

Feb 1968 448.8 J824

Larvae, Morphology, Research, Temperature, Trichostrongylus colubriformis.

A MODIFIED 'GARY' BEE-TRAP FOR USE WITH THE CAPE BLACK HONEY-BEE,

R H Anderson

S Afr J Agr Sci 11(1):203-205

Mar 1968 24 SU3

Apis, Equipment, Insect behavior, Insect traps, Queen bees.

A modified 'gary' trap was used to study losses due to behavioral disturbances in a queenless hive of Cape black honey bees.

20299-68

EFFECTS OF PYRIDOXINE DEFICIENCY ON THE LYMPHATIC ORGANS AND CERTAIN BLOOD COMPONENTS OF THE NEONATAL CHICKEN

J A Asmar N J Daghir H A Azar J Nutr 95(2):153-159 REF

Jun 1968 389.8 J82

Animal nutrition, Biochemistry, Blood chemistry, Chickens, Diet, Lymphatic system, Vitamin b6.

Abstract: The data indicate that vitamin B6 defiency in the chick depresses erythrocytopoiesis and hemoglobin synthesis, disturbs metabulic functions of the liver cell and hinders development of the lymphatic organs.

20300-68

SCOLYTID PHEROMONES-- READY OR NOT. M D Atkins

Can Entomol 100(10):1115-1117

Oct 1968 421 C16 Biology, Insect behavior, Insect control, Insect identification, Population statistics, Research, Scolytidae.

ENVIRONMENTAL FACTORS LIMITING THE PRODUCTIVITY AND SIZE OF EXPERIMENTAL POPULATIONS OF DROSOPHILA SER-RATA AND D. BIRCHII.

F J Ayala

Ecology 49(3):562-565 SPRING

1968 410 EC7

Drosophila birchii, Drosophila serrata, Environment, Feeding, Laboratories, Population statistics, Reproduction, Temperature.

20302-68

PRELIMINARY RESULTS OF A NINE YEAR INVESTIGATION OF BACHHYDRACARINEN (ACARI-TROMBIDIFORMES). (GE)

C Bader

Rev Suisse Zool 75(3):498-505

Sep 1968 410 R324

Acarina, Demography, Hydrachnellae, Insect ecology.

A nine year study was made of aquatic mites. Their seasonal variations, ecology and population dynamics are discussed.

THE MULTIPLICATION OF SACBROOD VIRUS IN THE ADULT HONEYBEE.

L. Bailey

Virology 36(2):312-313

Oct 1968 448.8 V81

Apis mellifera, Bee diseases, Electron microscopy, Experimental insects, Fat body, Injections, Saebrood, Temperature, Viruses.

METABOLIC CHANGES IN LIVER AS-SOCIATED WITH SPONTANEOUS KETOSIS AND STARVATION IN COWS.

F J Ballard R W Hanson D S Kronfeld F Raggi J Nutr 95(2):160-172 REF

Jun 1968 389.8 J82

Cattle, Enzymes, Ketosis, Liver, Liver function tests, Metabolism, Starvation.

Abstract: Measurements were made to ascertain the degree of ketosis and to compare changes in lipid synthesis, substrate oxidation, enzyme activities and the level of several metabolic intermediates.

20305-68

BIOLOGY AND ECOLOGY OF THE BLACKBIRD FEATHER LOUSE. (GE) H Baum

Angew Parasitol 9(3):129-175 MAP REF

Aug 1968 436.8 AN4

Birds, Demography, Feathers, Insect biology, Inseet ecology, Mallophaga. English, russian and german abstracts

20306-68

PHYSICORHEMICAL CHARACTERISTICS OF GLYCOGEN FROM ANTHONOMUS GRANDIS BOHEMAN.

N L Betz W C Nettles A F Novak

Compar Biochem Physiol 24(1):163-175

Jan 1968 444.8 C73

Anthonomus grandis, Chromatography, Glycogen, Hydrolysis, Insect physiology, Physical chemistry, Triehloroacetie acid.

Abstract: Glycogen was extracted from the boll weevil, H. grandis, with 5 percent triehloracetic and with cold ehloroform-glyeine buffer. Glueose was the only sugar detected in acid hydrolyzates.

20307-68

THE BREEDING OF CALLAMBULYX TATARINOVI (LEP., SPHINGIDAE). (GE) A Bilek

Entornol Z 78(21):241-242

01 Nov 1968 421 EN85

Insect rearing, Lepidoptera, Methodology, Sphingidae.

A STUDY OF THE GENUS CHROTOGONUS (ORTHOPTERA). VIII. PATTERNS OF VARIA-TION IN EXTERNAL MORPHOLOGY.

R E Blackith D K McE Kevan Evolution 21(1):76-84

30 Mar 1967 443.8 EV62

Insect morphology, Orthoptera, Polymorphism, Statistical analysis. English abstract

INFLUENCE OF TEMPERATURE AND MOISTURE ON THE SURVIVAL OF COCOONS, AND ON ADULT EMERGENCE OF BUCCULATRIX CANADENSISELLA.

J R Blais J G Pilon

Can Entomol 100(7):742-749

Jul 1968 421 C16

Betula, Bueculatrix eanadensisella, Humidity, Insect ecology, Insect physiology, Mortality, Temperature, Weather. English and French abstracts.

THE HETEROPTERA FAUNA OF KORSHAGE, ZEALAND, IN RELATION TO VEGETATION IN LATE SUMMER.

J Bocher

Entomol Medd 35(1):27-66 MAP, REF

25 May 1967 421 EN82

Catalogs, Demography, Heteroptera, Vegetation. English abstract

20311-68

SEASONAL CYCLES OF COLLECTIVE ACTIVITY OF TERMITES OF THE SAVANNAS OF THE IVORY COAST SHOAL. (FR)

Insectes Sociaux 14(4):359-388

Dec 1967 421 IN79

Harvesting, Insect behavior, Termites, Weather.

OBSERVATIONS ON THE SWARMING AND THE FIRST STAGE OF DEVELOPMENT OF THE COLONY OF ALLODONTERMES GIFFARDII SILV. (ISOPTERA, TERMITIDAE). (FR

P Bodot

Insectes Sociaux 14(4):351-358 REF

Dec 1967 421 IN79

Insect behavior, Research, Social insects, Swarming, Termites.

20313-68

ANTS, APHIDS, AND JACK PINE IN MANITOBA.

G A Bradley J D Hinks

Can Entomol 100(1):40-50

Jan 1968 421 C16

Aphididae, Carbon tetraehloride, Cinara, Defoliation, Doliehoderus taschenbergi, Formica ob-scuripes, Inseet behavior, Inseet pests, Inseeticides, Malathion, Parasitic insects, Pinus banksiana, Predaceous insects.

THE PRESENT STATUS OF CONTROL OF **CULEX PIPIENS FATIGANS.**

A W A Brown

World Health Organ Bull 37(2):297-299

1967 449.9 W892B

Breeding, Chemical control (insects), Culex pipiens quinquefasciatus, Filariasis, Inseet tropism, Insecticide resistant insects, Insecticides, Larvae, Larvicides. Summary in French

20315-68

AN HYPOTHESIS CONCERNING THE FUNC-TION OF THE METAPLEURAL GLANDS IN ANTS.

W. I. Brown

Amer Natur 102(924,MAR-APR):188-191

29 Apr 1968 470 AM36

Demography, Formicidae, Glands (insects), Insect behavior, Secretion.

A NEW CONCEPT: TOTAL INSECT POPULA-TION SUPPRESSION.

Pesticide Progr 5(3):66-67

May 1967 79.8 P434

Biological control (inseets), Chemical control (insects), Insect population, Natural control (insects), Radiation, Reproduction, Sterilization. Reprinted from Agric. Res. 14 (9):3. 1966.

20317-68

DETERMINATION OF THE PHOTOSENSITIVE PERIOD IN THE AFRICAN MIGRATORY LOCUST, LOCUSTA MIGRATORIA MIGRA-TORIOIDES (R. ET F.), PHASE GREGARIA. (FR

Insectes Sociaux 15(1):3-30 REF

Mar 1968 421 1N79

Insect physiology, Locusta migratoria migratorioides, Photoperiodism, Temperature. English summary

STUDIES ON PHASE-SHIFTS IN ENDOGENOUS RHYTHMS. I. EFFECTS OF LIGHT PULSES ON THE ECLOSION RHYTHMS IN DROSOPHILA PSEUDOOBSCURA.

M K Chandrashekaran

Z Vergleichende Physiol 56(2):154-162

1967 444.8 Z3

Diurnal rhythm, Drosophila pseudoobscura, Light, Phase-contrast microscopy, Photoperiodism, Research, Temperature.

20319-68

STUDIES ON PHASE-SHIFTS IN ENDOGENOUS RHYTHMS. II. THE DUAL EFFECT OF LIGHT ON THE ENTRAINMENT OF THE ECLOSION RHYTHM IN DROSOPHILA PSEUDOOBSCURA.

M K Chandrashekaran

Z Vergleichende Physiol 56(2):163-170 REF

1967 444.8 Z3

Diurnal rhythm, Drosophila pseudoobseura, Insect physiology, Light, Phase-contrast microscopy, Photoperiodism, Photosensitization, Pupae, Research

PATHOGENS AND PARASITES IN LOUISIANA CULICIDAE AND CHAOBORIDAE.

H C Chapman D B Woodward J J Petersen

N J Mosquito Exterm Ass Proc 54:54-60

Mar 1967 420 N46

Baeteria, Chaoboridae, Culicidae, Fungus discases (insects), Microorganisms, Nematodes, Protozoa, Virus diseases (insects).

20321-68

ESTIMATION OF PATHWAYS OF CAR-BOHYDRATE METABOLISM IN INSECTS.

W Chefurka

Entomol Soc Ontario Proc 96:17-23 REF

1965 420 ON8

Carbohydrates, Insect physiology, Insects, Metabolism.

RELEASE OF THE FREE NINHYDRIN-POSITIVE SUBSTANCE IN PHORMIA AND DROSO-PHILA BY MEANS OF TWO DIMENSIONAL HIGH VOLTAGE ELECTROPHORESIS. (GE)

P S Chen E Kubli F Hanimann

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

Sep 1968 410 R324

Chromatography, Culex, Drosophila melanogaster, Electrophoresis, Ninhydrin reaction, Peptides, Phormia regina. English, french and german abstracts

20323-68

EVALUATION OF CHEMOSTERILANT DAMAGE TO THE TESTES OF THE HOUSEFLY, MUSCA DOMESTICA, BY MICROSCOPIC OBSERVATION AND BY MEASUREMENT OF THE UPTAKE OF 14C-COMPOUNDS.

R E Cline

J Insect Physiol 14(7):945-953 REF

Jul 1968 421 J825

Arginine, Carbon compounds, Carbon isotopes, Chemosterilants, Musca domestica, Nucleic acids, Spermatocytes, Testes.

20324-68

LIFE HISTORY OF GESTA GESTA INVISUS (LEPIDOPTERA: HESPERIIDAE).

J A Comstock R O Kendall

San Diego Soc Natur Hist Trans 14(18):233-236 18 Aug 1967 410.9 SA54T

Food habits, Hesperiidae, Insect biology, Insect morphology, Life eyele, Neotropical Region, Zoogeography. English and spanish abstracts

WINTERING QUEEN BEE BY RUMANIAN METHOD HAS PROMISING LOOK.

V A Cook

New Zeal J Agr 117(2):54-55,57

Aug 1968 23 N48J

Apiculture, Insect rearing equipment, Queen bees. Modified equipment for the Rumanian method of wintering queen bees is described.

THE SENSORY PHYSIOLOGY OF THE LARVA OF THE RHINOCEROS BEETLE ORYCTES RHINOCEROS L.

H H Costa V K Ganesalingam

Ceylon J Sci Biol Sci 7(1-2):52-73 REF

Oct 1967 475 C33

Insect physiology, Larvae, Scarabaeidae, Sense organs, Xyloryetes jamaieensis. English abstract

20327-68

20327-68

OCCURRENCE OF TELEONEMIA SCRUPU-LOSA ON SESAMUM INDICUM LINN, IN

J C Davies D J Greathead Nature 213(5071):102 07 Jan 1967 472 N21

Lantana camara, Population, Sesame, Teleonemia scrupulosa, Zoogeography.

PHYSIOLOGY AND DEPORTMENT OF SEVERAL ANTS (HYM. FORMICIDAE) OF THE SAHARA IN REGARD WITH THE PRINCI-PLE FACTORS OF THE CLIMATE. (FR) G Delve

Insectes Sociaux 14(4):323-338 REF

Dec 1967 421 IN79

Climate, Formicidae, Heat, Insect physiology, Water. English summary

LIFE HISTORY AND POPULATION CON-SEQUENCES OF DENSITY, PHOTOPERIOD, AND TEMPERATURE IN A MIGRANT INSECT, THE MILKWEED BUG ONCOPELTUS.

H Dingle

Amer Natur 102(924,MAR-APR):149-163 REF 29 Apr 1968 470 AM36

Demography, Insect migration, Oncopeltus fasciatus, Photoperiodism, Temperature.

20330-68

POSSIBILITIES FOR FLIGHT DETECTION OF HARMFUL MOTHS OF THE NOCTUIDAE FAMILY ON SUGAR BEET. (RUS)

B Dochkova

Rastenievud Nauk 5(9):93-98

1968 64.8 R18

Attractants, Insect flight, Molasses, Noctuidae, Sugar beets. English and russian abstracts

20331-68

PHILORNIS FLIES FROM TRINDAD (DIP-TERA: MUSCIDAE).

HR Dodge THG Aitken

Kaus Entomol Soc J 41(1):134-154

Jan 1968 420 K13

Diagnosis, Indexing, Philornis. Physiology, Research.

COPPER-MOLYBDENUM INTERACTION IN SHEEP AND CHICKS.

R P Dowdy G Matrone

J Nutr 95(2):191-196 Jun 1968 389.8 J82

Anemia, Animal nutrition, Biochemistry, Chicks, Copper sulfate, Diet, Metabolism, Molybdenum compounds, Sheep.

Abstract: The results of these studies were used to develop a hypothesis that molybdenum complexes with copper and that copper bound in this state is biologically inactive.

20333-68

A COPPER-MOLYBDENUM COMPLEX: ITS EFFECTS AND MOVEMENT IN THE PIGLET AND SHEEP.

R P Dowdy G Matrone J Nutr 95(2):197-201 REF

Jun 1968 389.8 J82

Animal nutrition, Biochemistry, Copper sulfate, Culture media, Diet, Immunization, Metabolism, Molybdenum compounds, Sheep, Swine.

Abstract: These results support the hypothesis that copper bound in a Cu-Mo complex is biologically unavailable and indicate that such a complex can exist in vivo.

20334-68

LIGHT-AND ELECTRONMICROSCOPE IN-VESTIGATIONS INTO THE MALPIGHIAN TU-BULES OF GALERUCELLA VIBURNI (CHRYSOMELIDAE). (GE)

Z Wiss Zool 178(1-2):40-71 REF 1968 410 Z3

Chrysomelidae, Coleoptera, Electron microscopy, Insect histology, Insect morphology, Insect physiology, Malpighian tubes, Urogenital system. German abstract

REACTIVITY OF SEVERAL EXPERIMENTAL HETEROPTERA HOSTS TO THE LARVA OF A MONOPHAGE DIPTERA, PHASIINAE. (FR)

C Dupuis Acad Sci Compt Rend Ser D Sci Nat 265(23):1809-1812

06 Dec 1967 505 P21

Diptera, Heteroptera, Larvae, Parasitic insects.

PARASITISM OF THE ORIENTAL FRUIT MOTH, GRAPHOLITHA MOLESTA (BUSCK) (LEPIDOPTERA: TORTRICIDAE) IN ON-TARIO, 1956-1965.

G G Dustan H R Boyce

Entomol Soc Ontario Proc 96:100-102

1965 420 ON8

Braconidae, Grapholitha molesta, Ichneumonidae, Insect behavior, Lepidoptera, Parasitism, Time.

NOTES ON A WEEVIL'S BIOLOGY. (COL. CURCULIONIDAE). (SW)

B Ehnstrom

Entomol Tidskr 89(1-2):64-68

10 Aug 1968 421 EN891

Catalogs, Curculionidae, Insect biology, Insect ecology. German abstract

OBSERVATIONS ON THE NESTING BEHAVIOR OF SOME SPECIES OF TACHYTES (HYMENOPTERA: SPHECIDAE, LARRINAE).

H E Evans F E Kurczewski

Kans Entomol Soc J 39(2):323-332

Apr 1966 420 K13

Eggs, Insect behavior, Morphology, Nesting, Research, Tachytes.

SOME ECOLOGICAL FACTS ABOUT TWO DUTCH MELANIPS SPECIES (HYMENOPTERA, CYNIPIDAE).

H H Evenhuis

Entornol Ber 28(9):175-176

01 Sep 1968 420 N38B

Cynipidae, Hymenoptera, Insect ecology.

INFLUENCE OF LIGHT AND TEMPERATURE THE HATCHING-ACTIVITY CHIRONOMUS NUDITARSIS STR. (GE)

J Fischer S Rosin

Rev Suisse Zool 75(3):538-549

Sep 1968 410 R324

Chironomidae, Diptera, Insect morphology, Light, Temperature. English, french and german abstracts

THE EFFECT ON THE TWO-SPOTTED SPIDER MITE, TETRANYCHUS URTICAE, OF DICOFOL CONCENTRATION AND DEPOSIT DISTRIBUTION ON THE LEAF SURFACE.

R W Fisher N G Morgan Can Entomol 100(7):777-781

Jul 1968 421 C16

Chemical control (pests), Dicofol, Pesticide application, Plant pest control, Tetranychus urticae.

Abstract

20342-68

NEW INSECTICIDES THAT SHOW RESIDUAL TOXICITY TO ADULTS OF ANOPHELES QUADRIMACULATUS.

J B Gahan H G Wilson G C LaBrecque N J Mosquito Extern Ass Proc 54:145-152 Mar 1967 420 N46

Anopheles quadrimaculatus, Chemical control (insects), Insecticide residues, Insecticides, Mortality, Research, Spraying, Toxicology.

20343-68

THE USE OF THE MOUTHPARTS OF ORTHOPTERA DURING FEEDING.

S K Gangwere

Entomol News (pluladelphia) 71(8):193-206

Oct 1960 421 EN88

Feeding, Insect anatomy, Insect behavior, Insect identification, Mechanization, Mouth parts, Orthoptera, Research.

20344-68

THE NATURAL INFECTION RATE OF SIMULI-UM DAMNOSUM WITH ONCHOCERCA VOLVULUS IN SAVANNAH REGIONS OF GUINEA.

R Garms F Weyer

Z Tropenmed Parasitol 19(3):289-296 REF

Sep 1968 448.8 Z37

Breeding, Larvae, Morphology, Onchocerca volvulus, Onchocerciasis, Research, Simulium dam-nosum, Surveys. English and German summary

20345-68

EXPERIMENTS ON HOST SELECTION IN THE ANOPHELES GAMBIAE COMPLEX.

M T Gillies

Ann Trop Med Parasitol 61(1):68-75

Mar 1967 448.9 L75A

Anopheles, Calves, Feeding, Humans, Insect behavior, Insect vectors.

COLLECTION OF SIMULIIDS FROM THE IVORY COAST, STUDY OF THE ACTIVITY OF THE FEMALES OF SIMULIUM DAMNOSUM THEOBALD. (FR

J Giudicelli

Soc Entomol France Ann 11(2):325-342 REF 1966 420 F84

Diurnal rhythm, Humidity, Insect ecology, Light, Simuliidae, Simulium damnosum, Temperature.

Abstract

20347-68

A COMPARISON OF THE TIPULA AND SE-RICESTHIS IRIDESCENT VIRUSES.

D G Glitz G J Hills C F Rivers

J Gen Virol 3(2):209-220 REF

Sep 1968 Q0R360.0A10J6 Insects, Larvae, Sericesthis iridescent virus, Serological tests, Tipula iridescent virus, Virus dis-

eases (animals). 20348-68

A HYPOTHESIS ON THE SUBJECT OF LAR-VAL MONSTERS IN THE GENUS ANOPHELES. (FR)

Y Guy

Inst Pasteur Algerie Arch 45:51-61

1967 448.3 IN7A

Ahnormalities, Anopheles, Insect hiology, Insect morphology, Insecticides, Larvae.

20349-68

DEVELOPMENTAL PRODUCTION OF EMB-RYONIC BLASTEMA OF DROSOPHILA AFTER CULTURE IN THE ADULT HOST. (GE) E Hadorn R Hurlimann G Mindek G Schuhiger

M Staub Rev Suisse Zool 75(3):557-569

Sep 1968 410 R324

Drosophila melanogaster, Insect morphology, Insect physiology, Metamorphosis, Neoplasms. English, french and german abstracts

20350-68

A STUDY ON GONOTROPHIC CYCLE OF THE MOSQUITO AEDES VEXANS MEIG. IN SOUTH MORAVIA.

Z Hajkova

Folia Parasitol 13(4):361-369 REF 1967 436.8 C33

Aedes vexans, Culicidae, Gonadotropins, Ovaries, Ovipositors, Temperature.

Abstract: It was ascertained by dissection the females are hatched with imperfectly developed ovaries. In one season, females complete 2-3 gonotrophic cycles. The oviposition was stimulated by rain, especially after dry and warm days.

20351-68

OXYTELUS MUTATOR LOHSE (COL., STAPHYLINIDAE) NEW TO BRITAIN.

P M Hammond

Entomologist (london) 101(1266):250-252

Nov 1968 421 EN8

Insect morphology, Reproductive organs, Staphylinidae.

20352-68

THE HEAD OF PSEUDOMENOPON PILOSUM (SCOPOLI) (MALLOPHAGAAMBLYCERA).

F Haub

Zool Jahrbucher Abt Anat Ontog Tiere 84(4):493-558 REF

1967 410 Z751

Head, Insect morphology, Insect physiology, Mallophaga, Muscles, Nerves. German abstract

20353-68

STUDIES ON THE INCREMENT OF THE EF-FICACY OF INSECTICIDES. (VII), ON THE EF-FECT OF SYNERGIZED ON VARIOUS STRAINS OF HOUSE FLIES. (JA)

A Hayashi M Hatsukade Botyu-kagaku 32(2):39-41

May 1968 421 B65

Chemical control (insects), Chemicals, Insecticides, Mortality, Musca domestica, Research, Toxicology. English summary

20354-68

THE PECAN NUT CASEBEARER, ACROBASIS CARYAE (LEPIDOPTERA: PYRALIDAE) ON MOCKERNUT HICKORY, CARYA TOMENTOSA.

E A Heinrichs

Kans Entomol Soc J 41(2):236-239

Apr 1968 420 K13

Acrobasis caryae, Carya tomentosa, Insect behavior, Lepidoptera, Parasitism.

20355-68

DDT-RESISTANCE IN TWO STRAINS OF CULEX PIPIENS PIPIENS LINNAEUS FROM NEW JERSEY.

A H Hemmerlein

N J Mosquito Exterm Ass Proc 54:158-163

Mar 1967 420 N46

Culex pipiens pipiens, DDT, Feeding, Insecticide resistant insects, Insecticides, Mortality, Research.

20356-68

LEAFMINERS OF HVAR ISLAND (COL., DIPT., HYM., LEP.). (GE)

E M Hering

Deut Entomol Z 14(1-2):1-80 REF

01 Jun 1967 421 D48

Coleoptera, Diptera, Hymenoptera, Insect morphology, Insects, Leaf miners, Lepidoptera, Zoogeography.

20357-68

DERMACENTOR ANDERSONI IN NATIONAL FOREST RECREATION SITES OF UTAH.

C S Herrin

Great Basin Natur 28(1):30-43 MAP REF

30 Mar 1968 410 G79

Demography, Dermacentor andersoni, Ecology, Ixodidae, Seasonal variation.

20358-68

THE HIBERNATION OF CATERPILLARS IN A REFRIGERATOR. (GE)

R Hinz

Entomol Z 78(8):93-95

15 Apr 1968 421 EN85

Caterpillars, Diapause, Hihernation, Insect behavior, Insect rearing, Refrigeration. German abstract

20359-68

THE CONVERSION OF 14C-CAR-BOHYDRATES INTO CO2 AND LIPID BY THE SILKWORM, BOMBYX MORI.

Y Horie T Ito S Nakasone

J Insect Physiol 14(7):971-981 REF

Jun 1968 421 J825

Bombyx mori, Carbohydrates, Carbon dioxide, Carbon isotopes, Chemurgy, Fatty acids, Glucose, Insect metabolism, Lipids, Pyruvate carboxylase.

20360-68

ON THE DIVISION OF LABOUR IN THE PRIMITIVE TERMITE ZOOTERMOPSIS NEVADENSIS (HAGEN).

P E Howse

Insectes Sociaux 15(1):45-50

Mar 1968 421 IN79

Insect behavior, Social insects, Termites, Zootermopsis nevadensis. French summary

20361-68

DRINKING OF WATER BY FLEAS.

D A Humphries

Entomol Mon Mag 102(1229-1231):260-262

Oct 1966 421 EN86

Ceratophyllus gallinae, Feeding, Insect behavior, Siphonaptera, Water.

20362-68

STEROIDS. CCCXXXVI. SYNTHETIC STUDIES ON INSECT HORMONES. VI. THE SYNTHESIS OF PONASTERONE A AND ITS STEREOCHEMICAL IDENTITY WITH CRUSTECDYSONE.

G Huppi J B Siddall

Tetrahedron Lett 9:1113-1114

Feb 1968 385 T29

Chemical structure, Ecdysterone, Hormones, Insects, Ponasterone A, Stereochemistry, Steroids.

20363-68

THE INACTIVATION OF THE NUCLEAR POLYHEDROSIS VIRUS OF TRICHOPLUSIA NI BY GAMMA AND ULTRAVIOLET RADIATION.

R P Jaques

Can J Microbiol 14(10):1161-1163

Oct 1968 448.8 C162

Gamma rays, Insect diseases, Polyhedroses, Radiation, Trichoplusia ni, Ultraviolet rays, Viruses.

20364-68

A CONE TRAP FOR IMMATURE BLACK FLIES (DIPTERA; SIMULIDAE).

A F Johnson D H Pengelly

Entomol Soc Ontario Proc 96:120

1965 420 ON8

 $Diptera, Equipment, In sect\ traps, Simuliidae.$

20365-68

THE TOXICITY OF CONTACT INSECTICIDES TO SEED-INFESTING INSECTS. TESTS WITH PYRETHRUM IN DIRECT APPLICATION. (ABSTRACT).

P C Joubert

Pesticide Progr 5(3):74

May 1967 79.8 P434

Chemical control (insects), Corn, Grain, Insecticide application, Pyrethrum, Seedlings, Toxicology. Abstract from Pyrethrum Post 8 (2): 6-15. 1965.

20366-6

ON THE HEAD MORPHOLOGY OF TWISTED-WINGED INSECTS (STREPSIPTERA, INSECTA). (GE)

R Kinzelbach

Zool Jahrbucher Abt Anat Ontog Tiere 84(4):559-684 REF

1967 410 Z751

Coleoptera, Head, Insect morphology, Insect physiology, Muscles, Nerves, Strepsiptera, Stylopidae. German and english abstract 20367-68

FLIGHT OF MOTHS (LEPIDOPTERA, NOCT-UIDEA) TO DIFFERENT SOURCES OF LIGHT IN THE MOUNTAIN-FOREST ZONE OF CRIMEA. (RUS)

Z F Klyuchko

Zool Zhur 46(11):1721-1723

Nov 1967 410 R92

Insect behavior, Insect flight, Insect taxonomy, Light traps, Noctuidae.

Abstract

20368-68

THE STATISTICO-PHYSIOLOGICAL CON-SIDERATION ON THE ESTIMATION OF SYNERGISTIC ACTION OF INSECTICIDES AP-PLIED JOINTLY. (JA)

T Kono

Botyu-kagaku 32(2):34-39

May 1967 421 B65

Benzene hexachloride, Biological assay, Carbaryl, Insecticide synergists, Nephotettix cincticeps.

English abstract

20369-68

ARTIFICIAL DIET FOR THE ZOYSIAGRASS BILLBUG, SPHENOPHORUS VENATUS VESTITUS (COLEOPTERA: CURCU-LIONIDAE), AND NOTES ON ITS BIOLOGY.

K Kovitvadhi S H Kerr

Fla Entomol 51(4):247-250

Dec 1968 420 F662

Curculionidae, Diet, Insect biology, Insect nutrition, Insect rearing, Life cycle, Sphenophorus. English abstract

20370-68

VIRUS FILAMENTS WITH ROD FORMS, INSECT VIRUS OF THE GENUS BORRELINAVIRUS. (GE)

A Krieg A M Huger

Naturwissenschaften 55(9):453

Sep 1968 474 N213

Galleria mellonella, Insect diseases, Viruses.

2037I-68

FATTY ACID COMPOSITION OF THE RICE STEM BORER CHILO SUPPRESSALIS WALKER.

Y Kuwahawa S Ishii

Botyu-kagaku 32(2):42-45 REF

May 1968 421 B65

Acids, Chilo suppressalis, Culture media, Fatty acids, Food plants, Lipids, Research.

20372-68

OVIPOSITION CYCLES AND THE STIMULUS FOR OVIPOSITION IN DERMESTES MACU-LATUS DEGEER (COLEOPTERA: DERMESTIDAE).

A M Ladduwahetty

Ceylon J Sci Biol Sci 7(1-2):128-138 REF

Oct 1967 475 C33

Dermestidae, Insect behavior, Insect physiology, Oviposition, Ovulation, Stimulants. English abstract

20272 40

THE CAPE MAY COMMISSION BUILDS A CONTROLLED WATER LEVEL FACILITY FOR MOSQUITO CONTROL.

B M Lafferty

N J Mosquito Exterm Ass Proc 54:124-128

Mar 1967 420 N46

Agricultural outlook, Culex, Insect control, Light traps, Surveys.

20374-68

FIELD TRIALS WITH GRANULAR ABATE FOR CONTROL OF EARLY SPRING AEDES MOSOUITOES.

R W Lake F J Murphey C J Stachecki
N J Mosquito Exterm Ass Proc 54:179-180

Mar 1967 420 N46 Abate, Aedes, Chemical control (insects), Insect control, Larvicides, Research, Toxicology.

20375-68

SIMULIUM DAMNOSUM THEOBALD IN A DRY SAVANNAH (REGION OF GARANGO, UPPER VOLTA) (DIPTER, SIMULIIDAE). III. DIVISION OF EVOLUTIONARY STAGES IN THE COURSE OF A YEAR. (FR

M Lamontellerie

Inst Fondamental Afr Noire Bull Ser A Sci Natur (SER A)29(3):1004-1020

Jul 1967 515 D14

Insect ecology, Metamorphosis, Simuliidae. French abstract

20376-68

A DECADE OF MOSQUITO CONTROL IN MARYLAND.

G S Langford

N J Mosquito Exterm Ass Proc 54:45-48 Mar 1967 420 N46

Agricultural outlook, Culicidae, Environment, Histology, Insect control, Insecticides, Research.

LOCATING THE EGGS OF AEDES VEXANS (MG.) (DIPTERA: CULICIDAE).

L P Lefkovitch R A Brust

Bull Entomol Res 58(PT.1):119-122

Sep 1968 421 B87

Aedes vexans, Eggs, Insect collecting equipment, Research, Sampling (statistics).

20378-68

THE NUMBER OF LARVAL INSTARS IN SOME BARK BEETLE SPECIES.

B Lekander

Entornol Tidskr 89(1-2):25-34 REF

10 Aug 1968 421 EN891

Coleoptera, Insect morphology, Larvae, Metamorphosis, Scolytidae.

A DESCRIPTION OF THE LARVA OF EREMOTES ELONGATUS GYLL. (COL. CURC.) AND A COMPARISON BETWEEN THIS AND THE HYLASTES LARVAE (COL. SCOL.).

B Lekander

Entomol Tidskr 89(1-2):107-110

10 Aug 1968 421 EN891

Curculionidae, Insect morphology, Larvae, Scolytidae.

20380-68

THE PLACE OF CAMPONOTUS ACVAPIMEN-SIS MAYR (HYMENOPTERE FORMICIDAE) IN THE ALIMENTAL CHAIN OF A SAVANNA OF THE IVORY COAST. (FR)

J Levieux

Insectes Sociaux 14(4):313-322

Dec 1967 421 IN79

Food, Formicidae, Insect behavior, Vegetation. English summary

20381-68

FALL MOSQUITO BREEDING AND HIBERNATION IN AN AREA OF THE DELAWARE RIVER SURVEY.

J L Lomax

N J Mosquito Exterm Ass Proc 54:170-178 Mar 1967 420 N46

Breeding, Culicidae, Hibernation, Insecticides, Research, Surveys.

PURIFICATION OF A NON-OCCLUDED VIRUS OF GALLERIA MELLONELLA.

J F Longworth T W Tinsley A H Barwise I O Walker

J Gen Virol 3(2):167-174 REF

Sep 1968 Q0R360.0A10J6

Chloroform, Galleria mellonella, Sterilization, Virus diseases (animals). Proteins.

EFFECT OF OVIPOSITION SITES ON EGG PRODUCTION AND LONGEVITY OF TROGODERMA PARABILE (COLEOPTERA: DERMESTIDAE).

S R Loschiavo

Can Entomol 100(1):86-89

Jan 1968 421 C16

Feeding, Insect behavior, Insect eggs, Longevity, Ovulation, Trogoderma parabile.

AERIAL SPRAY OPERATIONS IN THE FIRST U. S. ARMY AREA.

V A Loy

N J Mosquito Exterm Ass Proc 54:104-108

Mar 1967 420 N46

Aerial spraying, Equipment, Population statistics, Research, Surveys.

THE EFFECT OF LIGHT AND TEMPERATURE ON THE COLOUR OF THE ENGLISH GRAIN APHID, MACROSIPHUM AVENAE (F.) (HOM., APHIDIDAE).

M Markkula J Rautapaa

Suomen Hyonteistieteellinen Aikakauskir Ann Entomol Fenn 33(1):1-13 REF 1967 421 SU7

Aphididae, Color, Insect physiology, Light, Macrosiphum avenae, Temperature.

Abstract

20386-68

THE POPULATION BIOLOGY OF THE BUT-TERFLY, EUPHYDRYAS EDITHA. V CHARACTER CLUSTERS AND ASYMMETRY.

L G Mason P R Ehrlich T C Emmel Evolution 21(1):85-91 REF

30 Mar 1967 443.8 EV62

Demography, Insect biology, Insect morphology, Lepidoptera, Statistical analysis. English abstract

20387-68

NEST CONSTRUCTION AND LIFE HISTORY OF THE EASTERN CUCURBIT BEE, PEPONAPIS PRUINOSA (HYMENOPTERA: APOIDEA).

J A Mathewson

Kans Entomol Soc J 41(2):255-261

Apr 1968 420 K13

Aging, Apoidea, Hymenoptera, Insect behavior, Peponapis pruinosa.

PRELIMINARY OBSERVATIONS CONCERNING THE ABSENCE OF AEDES AEGYPTI IN SAVANAH, GEORGIA, AND NEARBY AREAS. E M McCray D P Wilton H F Schoof

N J Mosquito Exterm Ass Proc 54:152-154

Mar 1967 420 N46 Aedes aegypti, Environment, Insect migration, Surveys.

INTEREPIDEMIC HOSTS OF WESTERN EN-CEPHALITIS VIRUS IN SASKATCHEWAN.

J McLintock A N Burton J G Rempel N J Mosquito Exterm Ass Proc 54:97-104 Mar 1967 420 N46

Culex tarsalis, Epidemiology, Hibernation, Hosts, Research, Virus diseases (insects), Western equine encephalomyelitis virus.

20390-68

IMPORTANT DEVELOPMENT OF LYTTA VESICATORIA (L.) (COLEOPT., MELOIDAE) IN THE LABORATORY AND THE TIME PERIOD OF CANTHARIDE SYNTHESIS. (SUM). (GE)

D Meyer-Grassmann C Schlatter Rev Suisse Zool 75(3):460

Sep 1968 410 R324

Biochemistry, Cantharides, Insect metabolism, Lytta vesicatoria, Meloidae.

THE TWO JUVENILE HORMONES FROM THE CECROPIA SILK MOTH.

A S Meyer H A Schneiderman E Hanzmann J H Ko

Nat Acad Sci Proc 60(3):853-860 REF Jul 1968 500 N210P

Biochemistry, Hormones, Hyalophora cecropia, Insect physiology, Metamorphosis, Saturniidae.

20392-68

BIOCHEMICAL, SKELETAL AND ALLOMETRIC CHANGES DUE TO ZINC DEFICIENCY IN THE BABY PIG.

E R Miller R W Luecke D E Ullrey B V Baltzer B L Bradley

J Nutr 95(2):278-286 REF

Jun 1968 389.8 J82

Baby pigs, Biochemistry, Diet, Metabolism, Parakeratosis, Zinc.

Abstract- weened baby pigs comparisons on a zinc deficient or adequate diet.

20393-68

HOST EXPLOITATION OF TWO CLOSELY RE-LATED WATER MITES.

R Mitchell

Evolution 21(1):59-75

30 Mar 1967 443.8 EV62

Hydrachnellae, Insect behavior, Insect morphology, Odonata, Predaceous insects. English abstract

FUNCTIONAL CHARACTERISTICS OF THE ALIMENTARY CANAL OF THE COCKROACH, BLABERUS CRANIIFER BURMEISTER.

W W D Modder

Ceylon J Sci Biol Sci 7(1-2):1-8 REF

Oct 1967 475 C33

Blattidae, Gastrointestinal system, Insect metabolism, Insect physiology. English abstract

20395-68

THE DISTRIBUTION AND ACTIVITY LEVELS OF CARBOHYDRASES IN THE ALIMENTARY CANAL OF THE COCKROACH, BLABERUS CRANIIFER GURMEISTER.

W W D Modder

Ceylon J Sci Biol Sci 7(1-2):9-23 REF

Oct 1967 475 C33

Blattidae, Carbohydrases, Gastrointestinal system, Insect metabolism, Insect physiology. English abstract

REPORT OF A GLUCOSE DIMINISHING PROCESS IN THE GUT OF THE COCKROACH, BLABERUS CRANIIFER BURMEISTER.

W W D Modder

Ceylon J Sci Biol Sci 7(1-2):32-36 REF

Oct 1967 475 C33

Blattidae, Gastrointestinal system, Glucose oxidase, Insect metabolism, Insect physiology. English abstract

THE SPECIFICITIES OF ALIMENTARY CANAL CARBOHYDRASES OF THE COCKROACH, BLABERUS CRANIIFER GUR-MEISTER.

W W D Modder Ceylon J Sci Biol Sci 7(1-2):24-31 REF

Oct 1967 475 C33

Blattidae, Carbohydrases, Gastrointestinal system, Insect metabolism, Insect physiology. English abstract

20398-68

THE STRUCTURE OF THE ALIMENTARY CANAL AND SALIVARY GLANDS IN ACROTELSA COLLARIS (THYSANURA: LEPISMATIDAE).

W W P Modder

Cevlon J Sci Biol Sci 7(1-2):139-150

Oct 1967 475 C33

Gastrointestinal system, Insect morphology, Lepismatidae, Salivary glands (insects), Thysanu-ra. English abstract

20399-68

DROSOPHILA IMAII, A NEW SIBLING SPECIES RELATED TO DROSOPHILA BIFASCIATA.

D Moriwaki O Kitagawa T Okada

Evolution 21(1):109-116 MAP 30 Mar 1967 443.8 EV62

Drosophilidae, Insect genetics, Insect morphology, Zoogeography. English abstract

INSECT HORMONES. VI. CONFIRMATION OF SKELETAL STRUCTURE OF PONASTERONE

H Moriyama K Nakanishi

Tetrahedron Lett 9:1111-1112

Feb 1968 385 T29

Chemical structure, Hormones, Insects, Ponasterone A, Steroids.

20401-68

CHEMOSTERILANTS FOR CONTROL OF REPRODUCTION IN THE EYE GNAT (HIPPE-LATES COLLUSOR) AND THE MOSQUITO (CULEX QUINQUEFASCIATUS).

M.S. Mulla

Hilgardia 39(10):297-324 REF

Jul 1968 100 C12H

Biochemistry, Biological control (insects), Chemosterilants, Culex quinquefasciatus, Hippelates collusor, Insect control, Population, Reproduction, Sterilization.

20402-68

INSECT HORMONES. V. THE STRUCTURES OF PONASTERONES B AND C.

K Nakanishi M Koreeda M L Chang H Y Hsu Tetrahedron Lett 9:1105-1110

Feb 1968 385 T29

Chemical structure, Hormones, Insects, Ponasterone B, Ponasterone C, Stereochemistry, Steroids.

20403-68

DISTRIBUTION OF FORAGING HOLES AND SOIL DUMPS OF THE HARVESTER TERMITE, HODOTERMES MOSSAMBICUS (HAGEN) (ISOPTERA: HODOTERMITIDAE). (AF)

J J C Nel

S Afr J Agr Sci 11(1):173-182

Mar 1968 24 SU3

Insect behavior, Insect ecology, Statistical analysis, Termites, Weather. Afrikaans, french and english abstract

20404-68

STUDIES ON THE ECOLOGY OF CULICOIDES MIDGES—THE TRANSMITTERS OF BLUETONGUE AND HORSE-SICKNESS.

E M Nevill

S Afr Biol Soc J 7,8:76-78

1966 410.9 SO8J

African horse sickness, Bluetongue virus, Cattle, Ceratopogonidac, Culicoides, Horses, Insect behavior, Insect ecology, Insect vectors.

20405-68

LABORATORY TESTS OF HEAVY METAL SALTS AS MOSQUITO LARVICIDES.

D Novak J Bouda

Angew Parasitol 9(3):175-176

Aug 1968 436.8 AN4

Chemical control (insects), Culex pipiens, Larvicides, Metals. English, czech, russian and german abstracts

20406-68

THE DEVELOPMENT OF THE THORACIL MUSCULATURE OF PERIPLANETA AFTER DISCONNECTION OF INDIVIDUAL NERVES. PRELIMINARY REPORT. (GE)

H Nuesch T Teutsch

Rev Suisse Zool 75(3):643-650

Sep 1968 410 R324

Blattidae, Insect physiology, Larvae, Muscles, Nerves, Periplaneta americana. English, french and german abstracts

20407-68

RING-CANALS AND INTERCELLULAR COM-MUNICATION WITHIN THE EGGCHAMBER OF A TSETSE FLY SPECIES.

T R Odhiambo

Experientia 24(7):738-740 REF

15 Jul 1968 475 EX7

Diptera, Glossina, Insect eggs, Insect histology, Insect morphology, Mitosis.

20408-68

RELATIONSHIP OF OXYGEN REQUIREMENTS TO INDEX-ORGANISM CLASSIFICATION OF IMMATURE AQUATIC INSECTS.

T A Olson M E Rueger

Water Pollut Contr Fed J 40(5,PT.2):R188-R202 RFF

May 1968 293.8 SE8

Aquatic animals, Diptcra, Insect physiology, Metabolism, Odonata, Oxygen, Plecoptera, Trichoptera.

20409-68

GROWTH OF FOLLICULAR CELLS IN APHIDS. A CYTOPHOTOMETRIC AND AUTORADIOGRAPHIC STUDY.

E Orlando R Crema

Experientia 2((10):1038-1039

15 Oct 1968 475 EX7

Aphididac, Autoradiography, Insect morphology, Oogenesis, Photomicrography.

20.110-69

ON THE TERATOLOGY OF THE PRIMARY-AND HYPERPARASITES OF BREVICORYNE BRASSICAE (L.). (GE)

D Pactzold G Vater

Deut Entomol Z 15(4-5):409-426 REF

01 Oct 1968 421 D48

Aphididae, Brevicoryne brassicae, Cynipidae, Insect abnormalities, Parasitic insects, Predaceous insects. German abstract

20411-68

ESTABLISHMENT OF BUMBLE BEES IN NEST BOXES AT CHRISTCHURCH.

T P Palmer

New Zeal J Agr Res 11(3):737-739

Aug 1968 23 N4892

Apiculture, Apidae, Bombus, Insect rearing. English abstract

20412-68

THE CEPHALIC AND PROTHORACIC SKELETOMUSCULATURE AND NERVOUS SYSTEM IN LETHOCERUS (HETEROPTERA, BELOSTOMATIDAE).

M C Parsons

Linn Soc London J Zool 47(312):349-406 REF Apr 1968 410.9 L64

Belostomatidae, Endocrine glands, Insect anatomy, Muscles, Nervous system. English abstract

20413-68

SECRETION OF THE METATHORACIC GLANDS OF THE WATERBUG NOTONECTA GLAUCA L. (.

G Pattenden B W Staddon Experientia 24(11):1092

15 Nov 1968 475 EX7

Glands (insects), Insect physiology, Notodontidae, Secretion. German abstract

20414-68

CONTRIBUTION TO THE KNOWLEDGE OF THE LARVAE AND PUPAE OF AGAPANTHIA VIOLACEA FABRICIUS (1775) AND AGAPANTHIA VILLOSOVIRIDESCENS DE GEER (1775) (COL., CERAMBYCIDAE, LAMIINAE). (GE)

H Paulus

Entomol BI 64(2):70-85 REF

25 Oct 1968 421 EN833

Cerambycidae, Insect morphology, Insect taxonomy, Larvae, Pupae. English and german abstracts

20415-68

THE ANTIMETABOLITE IMIDAZOLE AS A PESTICIDE. (ABSTRACT).

R J Pence

Pesticide Progr 5(3):77

May 1967 79.8 P434

Antimetabolites, Chemical control (insects), Imidazole, Pesticides, Surface-active agents, Toxicology. This was the author's abstract from Calif. Agr. 19 (1): 13-15. 1965.

20416-68

THE MECHANICAL BREAKDOWN OF HARD-WOOD IN THE LABORATORY BY POPILIUS DISJUNCTUS (COLEOPTERA: PASSALIDAE).

F J Preiss E P Catts

Kans Entomol Soc J 41(2):240-242

Apr 1968 420 K13

Coleoptera, Hardwoods, Insect behavior, Laboratories, Popilius disjunctus.

20417-68

ON THE EFFECT OF THE VAPOR PHASE OF SOME INSECTICIDES ON COMMON HOUSE FLIES (MUSCA DOMESTICA L.). (GE)

M Privora J Zemanova

Z Angew Zool 55(1):101-105

1968 449.8 Z36

Chemical control (insects), Insect control, Insecticidal aerosols, Musca domestica, Muscidae, Vapors. German abstract

20.118.65

ON A EUROPEAN STENUS TERMINALIA (COLEOPTERA, STAPHYLINIDAE). 47. CONTRIBUTION TO THE KNOWLEDGE OF THE STENINAE. (GE)

V Putha

Entomol Bl 64(2):86-92

25 Oct 1968 421 EN833

Catalogs, Insect morphology, Staphylinidae.

20419-68

THE SUSCEPTIBILITY OF CULEX PIPIENS FATIGANS LARVAE TO INSECTICIDES IN RANGOON, BURMA.

P Rosen

World Health Organ Bull 37(2):301-310,MAP 1967 449.9 W892B

Chemical control (insects), Culex pipiens quinquefasciatus, Fenthion, Filariasis, Insect physiology, Insect vectors, Insecticide resistant insects, Insecticides, Larvae, Parathion, Temperature. Summary in French

20420-68

REVIEW OF THE BIOLOGY OF PANURGINE BEES, WITH OBSERVATIONS ON NORTH AMERICAN FORMS (HYMENOPTERA, ANDRENIDAE).

J G Rozen

Amer Mus Novitates 00(2297):1-44 REF

18 Aug 1967 500 N4830N

Andrenidae, Habitats, Hymcnoptera, Insect biology.

20421-68

PROPYNYL NAPHTHYL ETHERS AS SELECTIVE CARBAMATE SYNERGISTS.

R M Sacher R L Metcalf T R Fukuto J Agr Food Chem 16(5):779-786 REF

Sep 1968 381 J8223 Biological assay, Carbamates, Chromatography, Ethers, Musca domestica, Naphthol, Research.

0.122.69

AMBER BARK BEETLES FROM THE ZOOLOGICAL MUSEUM OF THE UNIVERSITY OF COPENHAGEN. 247. CONTRIBUTION TO THE SYSTEMATICS AND MORPHOLOGY OF THE SCOLYTOIDEA. (GE)

K E Schedl

Entomol Medd 35(1):85-87

25 May 1967 421 EN82

Insect taxonomy, Paleoentomology, Scolytidae.

20423-68

MOSQUITO CONTROL MEANS REAL ESTATE ENHANCEMENT.

J L Schlesinger

N J Mosquito Exterm Ass Proc 54:9-11

Mar 1967 420 N46

Agricultural outlook, Agricultural policies, Culicidae, Insect control, Research.

20424-68

ANALYSIS OF THE SYNTHESIS OF SOME YOLK PROTEINS UNDER THE INFLUENCE

OF THE CORPORA ALLATA OF LEU-COPHAEA MADERAE. (GE)

R Schuerer M Luscher

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

Sep 1968 410 R324

Biochemistry, Corpora allata, Insect eggs, Insect physiology, Leucophaea maderae Synthesis. English and french abstracts Leucophaea maderae,

FORMATION OF SILK PROTEINS BY THE SILKWORM, BOMBYX MORI, AFTER GAMMA-RAY IRRADIATION IN THE EMB-RYONIC STAGE.

H Shigematsu H Takeshita

J Insect Physiol 14(7):1013-1024 REF

Jul 1968 421 J825

Bombyx mori, Gamma rays, Insect physiology, Irradiation, Larvae, Ribonucleic acid, Ribosomes.

THE EFFECT OF PROTEIN SOURCES AND OF THE FREQUENCY OF EGG COLLECTION ON EGG PRODUCTION BY THE HOUSEFLY (MUSCA DOMESTICA L.).

E Shipp A W Osborn

World Health Organ Bull 37(2):331-335

1967 449.9 W892B

Feed, Fertility, Insect eggs, Insect physiology, Measuring equipment, Musca domestica, Ovipositors, Proteins, Reproduction, Yeasts.

BREVICOMIN: PRINCIPAL SEX ATTRACTANT IN THE FRASS OF THE FEMALE WESTERN PINE BEETLE.

R M Silverstein R G Brownlee T E Bellas D C Wood L E Brownc

Science 159(3817):889-891

23 Fcb 1968 470 SCI2

Attractants, Dendroctonus brevicomis, Frass, Insect physiology, Sex.

A COMPARATIVE STUDY OF THE ALIMEN-TARY CANAL OF ADULT CALYPTRATE DIP-TERA.

S B Singh W W A Judd

Entomol Soc Ontario Proc 96:29-80 REF

1965 420 ON8

Diptera, Gastrointestinal system, Insect physiology, Research, Taxonomy.

20429-68

DISTRIBUTION OF ASTER YELLOWS VIRUS IN THE VECTOR MACROSTELES FASCIFRONS AND THE SEQUENCE OF INFECTION SITES. (ABSTRACT).

R C Sinha L N Chiykowski

Phytopathology 57(8):831

Aug 1967 464.8 P56 Animal extracts, Aster, Aster yellows (ornamental

plants), Blood, Insect vectors, Macrosteles fascifrons, Plant disease transmission.

THE ACCUMULATION OF URIC ACID IN THE FAT BODY OF SAWFLIES AND ITS DETEC-TION.

W A Smirnoff B J R Philogene

Can Entomol 100(1):69-74

Jan 1968 421 C16

Cells, Diprionidac, Dosage, Fat body, Insect tax-onomy, Tenthredinidac, Uric acid. English and French abstracts

Abstract: Variations of uric acid acclumulation could be very useful for taxonomic purposes.

20431-68

GLOBAL EVENTS CONCERNING MOSQUITOES IN 1966.

H Sollers-Ricdel

N J Mosquito Exterm Ass Proc 54:181-214 Mar 1967 420 N46

Anatomy, Arboviruses, Biology, Culicidac, Ecology, Filariasis, Genetics, Geography, Insect hehavior, Insect migration, Insect vectors, Larvicides, Malaria, Morphology, Physiology, Research, Sterilization, Taxonomy, Yellow fever virus.

A COMPARISON OF THE PROTEIN QUALITY OF POLLENS FOR GROWTH, STIMULATION OF THE HYPOPHARYNGEAL GLANDS AND LONGEVITY OF HONEY BEES, APIS MELLIFERA L. (HYMENOPTERA: APIDAE).

L N Standifer

Insectes Sociaux 14(4):415-426 REF

Dec 1967 421 IN79

Apis mellifera, Hymenoptera, Physiology, Pollen, Proteins. French summary

HORMONAL CONTROL OF CARBOHYDRATE METABOLISM IN INSECTS.

Entornol Soc Ontario Proc 96:23-28 REF

1965 420 ON8

Carbohydrates, Hormones, Insect physiology, Insects, Metabolism.

A NEW ACARICIDE TO CONTROL PHOSPHATE ESTER RESISTENT SPIDER MITES THROUGH RESISTANCE--INDUCED ENHANCED SUSCEPTIBILITY. (GE

W R Steinhausen

Z Angew Zool 55(1):107-114

1968 449.8 Z36

Acaricides, Chemical control (insects), Demcton, Immunity, Insecticide resistant insects, Organophosphorus compounds, Tetranychidae, ganophosphorus compounds, Tetranychidae, Tetranychus urticae. English, french and german

BIO-ACOUSTIC INVESTIGATIONS OF THE COCKROACH LEUCOPHAEA MADERAL (F.). (GE)

R Sturmer

Deut Entomol Z 14(1-2):111-118 REF

01 Jun 1967 421 D48

Blattidac, Insect behavior, Insect physiology, Leucophaca maderae, Stridulation.

THE DEPOSITION OF LIPID AND THE COMPOSITION OF NEUTRAL LIPIDS IN THE FAT BODY OF SARCOPHAGA BULLATA (DIP-TERA).

G Y Sun V J Brookes

Compar Biochem Physiol 24(1):177-185 REF Jan 1968 444.8 C73

Fatty acids, Glyccrides, Larvae, Lipids, Sarcophaga bullata.

20437-68

FEEDING THROUGH ROOT SURFACES OF RUTABAGA BY HYLEMYA BRASSICAE (DIP-TERA: ANTHOMYIIDAE).

G E Swailes

Can Entomol 100(10):1061-1064

Oct 1968 421 C16

Feeding, Hylcmya brassicae, Insect rearing, Laboratorics, Rescarch, Roots, Rutabagas.

STUDIES ON NATURAL POPULATIONS OF DROSOPHILA. VI. COMPETITION BETWEEN DROSOPHILA MELANOGASTER AND DROSO-PHILA SIMULANS.

A O Tantawy M H Soliman Evolution 21(1):34-40 REF

30 Mar 1967 443.8 EV62

Competition, Demography, Drosophilidae, Insect adaptation, Insect biology. English abstract

DESCRIPTION OF THE CASTES OF TETRAPONERA ANTHRACINA SANTSCHI (HYM., FORMICIDAE, PROMYRMICINAE). (FR)

G Terron

Insectes Sociaux 14(4):339-348

Dec 1967 421 IN79

Formicidae, Insect anatomy, Insect identification. English and German summaries

20440-68

TESTS (1966) WITH BLACK FLY LARVI-CIDES.

B V Travis D Guttman R R Crafts

N J Mosquito Exterm Ass Proc 54:49-53

Mar 1967 420 N46

Chemical control (insects), Larvicides, Mortality, Pesticides, Research, Simuliidae, Toxicology.

RESULTS OF OVARY TRANSPLANTATIONS IN LOCUSTA MIGRATORIA IMAGOS, (FR.)

A Vogel

Acad Sci Compt Rend Ser D Sci Nat (SER D)267(12):1043-1046

16 Sep 1968 505 P21

Insect physiology, Locusta migratoria, Ovaries, Transplanting, French abstract

FAUNA AND ECOLOGICAL INVESTIGATIONS OF STALK FLIES IN THE BERLIN AREA. (DIPT. CHLOROPIDAE). (GE)

H Wendt

Deut Entomol Z 15(1-3):49-105 REF

15 Jul 1968 421 D48

Catalogs, Chloropidac, Diptera, Insect ecology. German abstract

20443-68

CABBAGE APHID: EFFECT OF ISOLATION ON FORM AND ON ENDOCRINE ACTIVITY.

D F White

Science 159(3811):218-219

12 Jan 1968 470 SCI2

Animal quarantine, Brevicoryne brassicae, Cabbage, Endocrinc glands, Insect physiology, Mutation.

20444-68

THE ENDOCRINE AND NUTRITIONAL CONTROL OF EGG MATURATION IN THE FLESHFLY SARCOPHAGA BULLATA.

J L Wilkens

J Insect Physiol 14(7):927-943 REF

Jul 1968 421 J825

Amino acids, Calcium, Dict, Insect eggs, Insect morphology, Oogenesis, Proteins, Reproduction, Sarcophaga bullata.

AN ESTIMATE OF THE POTENTIAL EVOLU-TIONARY INCREASE IN SPECIES DENSITY IN THE POLYNESIAN ANT FAUNA.

E O Wilson R W Taylor

Evolution 21(1):1-10 30 Mar 1967 443.8 EV62

Demography, Formicidae, Insect evolution, Zoogcography. English abstract

20446-68

SOME METHODS OF REARING AND COL-LECTING BLACK FLIES (DIPTERA SIMU-LIIDAE).

D M Wood D M Davies

Entornol Soc Ontario Proc 96:81-90 REF

1965 420 ON8

Diptera, Insect collecting equipment, Insect rearing, Simuliidac.

20447-68

RECEPTOR POTENTIALS OF SINGLE VISUAL **CALLIPHORA** ERYTHROCEPHALA: AN ANALYSIS. (GE) F Zettler

Z Vergleichende Physiol 56(2):129-141 REF 1967 444.8 Z3

Assay, Biochemistry, Calliphora vicina, Cells, Light, Measurement, Potentiometry, Vision. English summary

GENETICS

20448-68

CHROMOSOME SYNAPSIS IN THE POLYTENE CHROMOSOMES OF DROSO-PHILA MELANOGASTER. ACTIVITY DEPENDENT ON

Nature 214(5093):1159-1160

10 Jun 1968 472 N21

Breeding, Cell division, Chromosomes, Drosophila melanogaster, Ecdysone, Experimental insects, Genes, Hormones, Insect genetics, Mutation, Research.

20449-68

STABILISING SELECTION IN DROSOPHILA MELANOGASTER.

B W Barnes

Heredity 23(3):433-442 REF

Aug 1968 443.8 H42

Demography, Drosophila melanogaster, Insect adaptation, Insect genetics, Statistical analysis, Temperature. English abstract

INSECTICIDE-RESISTANCE CULEX PIPIENS FATIGANS.

J R Busvine

World Health Organ Bull 37(2):287-292 REF

1967 449.9 W892B

Chemical control (insects), Chromosomes, Culex pipiens molestus, Culex pipiens pipiens, Culex pipiens quinquefasciatus, Dieldrin, DDT, Genes, Insect genetics, Insecticide resistant insects. Summary in French

20451-68

THE NON-RANDOM CHROMOSOME SEGREGATION IN SPERMATOCYTES OF GRYLLOTALPA HEXADACTYLA.

R Camenzind R B Nieklas

Chromosoma 23(3):324

1968 442 8 C46

Chromosomes, Gryllotalpa hexadactyla, Insect genetics, Meiosis, Research, Spermatocytes.

MATING BEHAVIOR AND FITNESS AS A FUNCTION OF SINGLE ALLELE DIFFERENCES IN EPHESTIA KUHNIELLA Z..

Evolution 21(2):275-284 REF

20 Jun 1967 443.8 EV62

Alleles, Demography, Ephestia, Fertility, Insect behavior, Insect genetics, Phycitidae, Sex behavior. English abstract

20453-68

PRELIMINARY EVIDENCE OF COLD TEMPERATURE RESISTANCE IN DROSOPHILA PSEUDOOBSCURA.

D W Crumpacker D Marinkovie

Amer Natur 101(922, NOV-DEC):505-514 REF 29 Dec 1967 470 AM36

Drosophila pseudoobscura, Insect adaptation, Insect genetics, Temperature.

20454-68

UNIFORM HETEROKARYOTYPIC SUPERI-ORITY FOR VIABILITY IN A COLORADO POPULATION OF DROSOPHILA PSEUDOOB-SCURA.

D W Crumpacker V M Salceda

Evolution 22(2):256-261 REF

21 Jun 1968 443.8 EV62

Alleles, Chromosomes, Demography, Droso-philidae, Insect genetics. English abstract

DEVELOPMENTAL RATE AND COMPETITIVE ABILITY IN TRIBOLIUM. II. CHANGES IN COMPETITIVE ABILITY FOLLOWING FURTHER SELECTION FOR DEVELOPMENTAL RATE.

PS Dawson

Evolution 21(2):292-298 REF

20 Jun 1967 443.8 EV62

Demography, Insect behavior, Insect genetics, Insect morphology, Tenebrionidae, Triboliur castaneum, Tribolium eonfusum. English abstract Tribolium 20456-68

DEVELOPMENTAL AND GENETIC HOMEOS-TASIS IN TWO SPECIES OF FLOUR BEETLES.

P S Dawson

Evolution 22(2):217-227 REF

21 Jun 1968 443.8 EV62

Demography, Inseet genetics, Research, Tribolium. English abstract

20457-68

A MUTANT GENE MAINTAINED AT HIGH FREQUENCY IN SPITE OF COMPLETE SELECTION AGAINST THE HOMOZYGOTE.

P S Dawson

Genetics 59(4):537-542

Aug 1968 442.8 G28

Genes, Insect genetics, Mutation, Population, Tables (data), Tribolium confusum.

HYBRIDIZATION IN THE CULEX PIPIENS COMPLEX.

N V Dobrotworsky

World Health Organ Bull 37(2):267-270,MAP REF

1967 449.9 W892B

Breeding, Culex pipiens molestus, Culex pipiens quinquefasciatus, Fertility, Insect genetics, Sterility. Summary in French

REPEATED MATING AND SPERM MIXING IN DROSOPHILA PSEUDOOBSCURA.

Th Dobzhansky O Pavlovsky

Amer Natur 101(922, NOV-DEC):527-533 REF 29 Dec 1967 470 AM36

Animal breeding, Drosophila pseudoobscura, Insect behavior, Insect genetics, Spermatozoa.

A STOCK OF DROSOPHILA MELANOGASTER EVIDENTLY SHOWING DRIVE AND QUASI-LINKAGE IN FEMALES.

L T Douglas S J Geerts N Oomen Genetica 39(2):161-164

1968 442.8 G282

Chromosomes, Drosophila melanogaster, Heredity, Insect genetics.

Abstract

20461-68

CELL AFFINITIES IN ANTENNAL HOMOEOTIC MUTANTS OF DROSOPHILA MELANOGASTER.

A Garcia-Bellido

Genetics 59(4):487-499 REF

Aug 1968 442.8 G28

Antennae, Cells, Drosophila melanogaster, Insect genetics, Legs, Mutation, Research, Tissues.

RATE OF ELIMINATION OF NATURAL LETHALS.

H F Hoenigsberg

Amer Natur 102(924, MAR-APR):185-187

29 Apr 1968 470 AM36

Chromosomes, Demography, Dromelanogaster, Insect genetics, Lethal factor. Drosophila

The author discusses his analysis of the rate of elimination of genetic lethal factors in Drosophila melanogaster populations.

ECOLOGICAL SITUATION WHICH PRODUCED A CHANGE IN THE PROPORTION OF DROSOPHILA MELANOGASTER TO DROSOPHILA SIMULANS.

H F Hoenigsberg

Amer Natur 102(926 JUL-AUG):389-390

30 Aug 1968 470 AM36

Demography, Drosophila melanogaster, Drosophila simulans, Fruit, Insect ecology, Insect genetics.

THE POPULATION BIOLOGY OF THE BUTTERFLY, EUPHYDRYAS EDITHAVII, HAS E. EDITHA EVOLVED A SERPENTINE RACE.

M P Johnson A D Keith P R Ehrlich

Evolution 22(2):422-423

21 Jun 1968 443.8 EV62

Demography, Insect biology, Insect evolution, Lepidoptera, Plantago.

CONSIDERATIONS ON THE EVOLUTION OF THE CHROMOSOME COMPLEMENT ODANATA.

B Kiauta

Genetica 38(4):430-446 REF

1967 442.8 G282

Chromosomes, Cytology, Insect biology, Insect evolution, Insect genetics, Odonata, Research, Tables (data), Zoogeography.

A POSSIBLE MODEL FOR SPECIATION BY CYTOPLASMIC ISOLATION IN THE CULEX PIPIENS COMPLEX.

H Laven

World Health Organ Bull 37(2):263-266

1967 449.9 W892B

Breeding, Chromosomes, Culex pipiens, Cytoplasm, Insect genetics, Mutation, Population. Summary in French

ERADICATION OF CULEX PIPIENS FATIGANS THROUGH CYTOPLASMIC INCOMPATIBILITY.

H Laven

Nature 216(5113):383-384

28 Oct 1967 472 N21

Biological control (insects), Breeding, Culex pipiens quinquefasciatus, Cytoplasm, Experimental insects, Filariasis, Insect genetics, Insect vectors, Population, Research.

20468-68

CYTOLOGICAL ANALYSIS OF THE SEX CHROMOSOME FROM TESTIS CELLS OF GRASSHOPPERS--A REVIEW.

G K Manna

Nucleus 10(1):64-80 REF

Jun 1967 442.8 N88

Chromosomes, Cytogeneties, Grasshoppers, Meiosis, Sex. English abstract

20469-68

POPULATION FITNESS IN TRIBOLIUM, II. POPULATION CHARACTERISTICS IN-FLUENCING THE CAPACITY FOR SURVIVAL. D J MeDonald L Stoner

Amer Natur 102(926, JUL-AUG): 323-336 REF

30 Aug 1968 470 AM36

Demography, Insect biology, Insect genetics, Tribolium.

RELATION OF INFECTION TO POPULATION STRUCTURE DROSOPHILA IN MELANOGASTER.

S Minamori K Tatsukawa

Evolution 22(2):337-351 MAP REF

21 Jun 1968 443.8 EV62

Demography, Drosophilidae, Insect geneties, Zoogeography. English abstract

20471-68

THE EFFECT OF TEMPERATURE AND GENETIC BACKGROUND ON THE PHENOTYPIC EXPRESSION OF SEVERAL VESTIGIAL STRAINS OF DROSOPHILA MELANOGASTER.

E Nakashima-Tanaka

Genetica 38(4):447-458

1967 442.8 G282

Chromosomes, Drosophila melanogaster, Genes, Insect genetics, Mutation, Tables (data), Temperature, Wings (insects).

THE EFFECTS OF CHEMICALS ON THE PHENOTYPIC EXPRESSION OF A VESTIGIAL MUTANT IN DROSOPHILA MELANOGASTER.

E Nakashima-Tanaka Genetica 38(4):459-470 REF

20473-68

1967 442.8 G282

Chemicals, Drosophila Biochemistry, Chemicals, Drosophila melanogaster, Genes, Insect morphology, Mutation, Temperature, Wings (insects).

20473-68

SELECTION AT A HIGH HUMIDITY FOR GREEN AND BROWN SOLITARIA HOPPER COLORATION IN LOCUSTANA PARDALINA (WALKER).

M D Nel

S Afr J Agr Sci 11(1):163-172 REF

Mar 1968 24 SU3

Animal breeding, Color, Grasshoppers, Insect ecology, Insect genetics, Sex. French, afrikaans and english abstract

20474-68

THYMIDINE-TERATOGENESIS IN DIF-FERENT SPECIES OF THE GENUS DROSO-PHILA.

O Parkash

Experientia 24(7):726-727 15 Jul 1968 475 EX7

Animal genetics, Biochemistry, Drosophila, Insect

abnormalities, Insect morphology, Insect physiology, Thymidine. German abstract

ALLELE SPECIFIC PATTERNS OF SUPPRESSION OF THE VERMILION LOCUS IN DROSOPHILA MELANOGASTER.

T M Rizki R M Rizki

Genetics 59(4):477-485 REF

Aug 1968 442.8 G28

Alleles, Drosophila melanogaster, Fat body, Gynandromorphism, Insect genetics, Kynurenine, Metabolites, Tissues.

20476-68

LACK OF CORTISONE INHIBITION OF CHROMOSOMAL PUFFING IN DROSOPHILA MELANOGASTER.

J H Sang

Experientia 2((10):1064

15 Oct 1968 475 EX7

Biochemistry, Cortisone, Drosophila melanogaster, Insect genetics, Salivary glands (insects).

20477-68

NUCLEOLAR 4S RIBONUCLEIC ACID IN DIP-TERAN SALIVARY GLANDS IN THE PRESENCE OF INHIBITOR.

J L Sirlin U E Loening

Biochem J 109(3):375-387 REF

Sep 1968 382 B52

Chromosomes, Diptera, Genetics, Insect physiology, Ribonucleic acid, Salivary glands.

POPULATION STRUCTURE IN THE CULEX PIPIENS COMPLEX OF MOSQUITOS.

A Spielman

World Health Organ Bull 37(2):271-276 REF 1967 449.9 W892B

Blood, Breeding, Culex pipiens molestus, Culex pipiens quinquefasciatus, Feed, Fertility, Insect behavior, Insect physiology, Population, Reproduction. Summary in French

LOW FREQUENCY ADVANTAGE IN MATING OF DROSOPHILA PSEUDOOBSCURA KARYO-TYPES.

E B Spicss

Amer Natur 102(926,JUL-AUG):363-379 REF 30 Aug 1968 470 AM36

Breeding, Chromosomes, Demography, Drosophila pseudoobscura, Insect genetics.

THE STABILITY OF LINKED SYSTEMS OF LOCI WITH A SMALL POPULATION SIZE.

J A Sved

Genetics 59(4):543-563 REF

Aug 1968 442.8 G28

Chromosomes, Genes, Insect genetics, Polymorphism, Population, Tables (data).

20481-68

CUMULATIVE PARENTAL AGE EFFECTS IN DROSOPHILA SUBOBSCURA.

J M Wattiaux

Evolution 22(2):406-421 REF

21 Jun 1968 443.8 EV62

Demography, Drosophilidae, Fertility, Insect hehavior, Insect genetics, Natural selection. English abstract

EXPERIMENTAL DETERMINATION OF FIT-NESS INTERACTIONS IN DROSOPHILA MELANOGASTER BY THE METHOD OF MAR-DROSOPHILA GINAL POPULATIONS.

J Wilson

Genetics 59(4):501-511 REF

Aug 1968 442.8 G28

Alleles, Assay, Drosophila melanogaster, Genes, Insect genetics, Methodology, Population, Research, Tables (data).

MEDICAL ENTOMOLOGY

20483-68

LIGHT-TRAP COLLECTIONS MOSQUITOES NEAR BELLEVILLE, ONTARIO, IN 1965.

P Belton M M Galloway

Entomol Soc Ontario Proc 96:90-96

1965 420 ON8

Culicidae, Insect collecting equipment, Light traps, Time.

20484-68

OBSERVATIONS ON THE HABITS AND CON-TROL OF CULEX PIPIENS FATIGANS IN GUYANA.

G. I. Burton

World Health Organ Bull 37(2):317-322 REF

1967 449.9 W892B

Breeding, Chemical control (insects), Culex pipiens quinquefasciatus, Filariasis, Insect behavior, Insect dissemination, Insect vectors, Insecticides, Parasitism, Sanitation, Spraying. Summary in French

20485-68

THE TULAREMIA PROBLEM IN THE CSSR. (cz)

J Carvas

Veterinarstvi 18(8):374

1968 41.8 V6439

Animals, Humans, Tularemia.

PROSPECTS FOR THE ERADICATION OF MALARIA IN ALGERIA. (FR.)

Y Guy R Bassabi

Inst Pasteur Algerie Arch 45:72-88

1967 448.3 IN7A

Chemical control (insects), DDT, Insect vectors, Malaria, Plasmodium, Sanitation, Spraying, Zoogeography.

20487-68

SUMMARY OF RECENT ABSTRACTS. VII. RICKETTISIAL DISEASES.

R S F Hennessey

Trop Dis Bull 64(8):817-822

Aug 1967 448.8 T752

Animal diseases, Ecology, Human diseases, Insect vectors, Ixodides, Rickettsial diseases. Abstracts which appear in the Tropical Disease Bulletin, 1966, v.63.

20488-68

LARVICIDES AND LARVICIDAL FORMULATIONS FOR THE CONTROL OF CULEX PIPIENS FATIGANS.

M S Mulla

World Health Organ Bull 37(2):311-315 REF

1967 449.9 W892B

Biological control (insects), Chemical control (insects), Culex pipiens quinquefasciatus, Insecticide residues, Larvicides, Mammals, Sanitation, Toxicology. Summary in English

20489-68

DDT-AEROSOL AGAINST INODES RICINUS. (GE)

M Privora V Rupes A Cupalova

Angew Parasitol 9(3):179-183 MAP Aug 1968 436.8 AN4

Chemical control (insects), DDT, Insecticidal aerosols, Ixodes ricinus, Ixodidae. English, russian and german abstracts

20490-68

ONCHOCERCIASIS IN KENYA 9, 11 AND 18 YEARS AFTER ELIMINATION OF THE VEC-TOR.

J M D Roberts E Neumann C W Goekel R B Highton

World Health Organ Bull 37(2):195-212

1967 449.9 W892B

Epidemiology, Humans, Larvicides, Onehocereiasis, Parasitism, Simulium neavei, Time. Summary in

TRACTANCY AND COMPONENTS.-AT-MOSQUITOES. REPELLENCY TO

W A Skinner H Tong H Johnson H Maibach D Skidmore

Experientia 24(7):679-680 15 Jul 1968 475 EX7

Aedes aegypti, Attractants, Biochemistry, Insect repellents, Sweat. German abstract

CROP PROTECTION

PLANT PROTECTION YEAR 1967 FROM AKARP BRANCH HORIZON. (SW.)

K Andersson I Nilsson

Vaxtskyddsanst Vaxtskyddsnotiser Swed Stat 32(2):23-30

1968 464.9 SW3V

Field crops, Fungus diseases (plants), Insect pests.

20493-68

VINES: PEST AND DISEASES.

Anonymous

Agr Vet Chem 9(2):53-55

Mar 1968 382 AG82

Geography, Grapes, Pesticides, Plant diseases, Spraying.

20494-68

A LATIN DIAGNOSIS OF NEW SPECIES AND VARIETIES DESCRIBED IN VOLUME 5 OF THE PRODROME OF A MYCOLOGICAL FLORA OF MADAGASCAR. (LAT)

G Bouriquet J P Bassino

Rev Mycol 31(4):323-326

1966 450 AN74

Diagnosis, Flora, Mycology, Prodrome, Taxonomy.

20495-68

STUDIES ON THE PHENYLPHENOL DERIVA-TIES WITH BIOLOGICAL ACTIVITY. II. THE HERBICIDAL ACTIVITY OF CHLORO-SUB-STITUD PHENYLPHENOLS.

H M Cheng M Eto S Kunatsuka Y Oshima

Agr Biol Cliem 32(3):353-358 REF Mar 1968 385 AG8B

Biochemistry, Chlorophenols, Herbicides, Phenol compounds, Plant growth inhibitors, Rice, Roots, Toxicity.

20496-68

A METABOLITE OF MACROPHOMINA PHASEOLI (MAUBL) ASHBY, WITH THIN-LAYER CHROMATOGRAPHIC BEHAVIOR SIMILAR TO THAT OF AFLATOXIN B.

P C Crowther

Analyst 93:623-624 Sep 1968 382 AN1

Aflatoxin, Aspergillus flavus, Chromatography, Fungi, Macrophomina phaseoli, Metabolites, Methodology.

20497-68

BIBLIOGRAPHY ON BIOLOGICAL CONTROL.

J M Franz

Entomophaga 13(1):87 P.

1968 421 EN835

Biological control (pests), Entomology, Literature.

MICROSOMAL N-DEMETHYLATION, BY A COTTON LEAF OXIDASE SYSTEM, OF 3-(41-CHLOROPHENYL)-1,1-DIMETHYLUREA (MONURON).

D S Frear

Science 162(3854):674-675

08 Nov 1968 470 SC12

Adenine nucleotides, Biochemistry, Centrifugation, Cotton, Enzymes, Herbicides, Leaves, Monuron, Nicotinamide, Oxidases.

EXOCELLULAR PRODUCTION OF POLYSACCHARIDES BY ALTERNARIA SOLANI.

J L Goatley

Can J Microbiol 14(10):1063-1068

Oct 1968 448.8 C162

Alternaria solani, Carbohydrates, Chromatography, Culture media, Fructose, Fungi, Glucose, Plant nutrition, Plant physiology, Polysaceharides.

PYRETHRUM IN PEONIES.

P J Godin T A King E Stahl J Pffifle

Nature 214(5085):319

15 Apr 1967 472 N21

Absorption, Aedes aegypti, Biochemistry, Biological assay, Chromatography, Paeonia, Plant extracts, Pyrethrum, Research, Ultraviolet rays.

CHEMICAL INDUCTION OF FRUIT ABSCIS-SION IN OLIVES.

H T Hartmann A J Heslop J Whisler

Calif Agr 22(7):14-16

Jul 1968 100 C12CAG

Abseission, Chemicals, Olives, Harvesting, Research, Spraying.

SOIL APPLICATION OF SYSTEMIC INSECTI-CIDES FOR CONTROL OF WOOLLY APPLE APHID (ERIOSOMA LANIGERUM (HSM)) IN RHODESIA.

C J Hodgson

Bull Entomol Res 58(PT.1):73-82

Sep 1968 421 B87

Chemical control (insects), Eriosoma lanigerum, Insecticide application, Rescarch, Soil analysis, Soils, Tables (data).

INFLUENCE OF BODY COMPOSITION, METHIONINE DEFICIENCY OR TOXICITY AND AMBIENT TEMPERATURE ON FEED IN-TAKE IN THE CHICK.

A A Khalil O P Thomas G F Combs

J Nutr 9(6):337-341

Nov 1968 389.8 J82

Chiekens, Deficiency diseases, Diet, Feeding, Methionine, Research, Temperature, Toxicology.

ACCUMULATION AND CONCENTRATION OF CHLORINATED HYROCARBON PESTICIDES BY MICROORGANISMS IN SOIL.

WH KoJL Lockwood

Can J Microbiol 14(10):1075-1078

Oct 1968 448.8 C162

Absorption, Baeteria, Biochemistry, Chlorine, Dieldrin, DDT, Fungi, Hydroearbons, Pentachloronitrobenzene, Pesticides, Rhizoctonia solani, Soil leaching, Soil microorganisms.

PHAGE XP12 OF XANTHOMONAS ORYZAE (UYEDA ET ISHIYAMA) DOWSON.

T T Kuo T C Huang R Y Wu C P Chen Can J Microbiol 14(10):1139-1142 REF

Oct 1968 448.8 C162

Bacteriophages, Centrifugation, Cytosine, Deoxyribonucleic acid, Electron microscopy, Nucleic acids, Physiology, Research, Xanthomonas oryzae.

20506-68

THE ECOLOGICAL RELATIONSHIP OF FUSARIUM MONILIFORME TO PRATYLENCHUS SCRIBNERI IN SEEDLING BLIGHT OF CORN. (ABSTRACT).

L T Palmer D MacDonald T Kommedahl

Phytopathology 57(8):825

Aug 1967 464.8 P56

Corn, Ecology, Fungus diseases (plants), Fusarium moniliforme, Pratylenchus scribneri, Seedling blight (corn).

20507-68

METABOLIC CHANGES IN BIOTIN-DEFI-CIENT ASPERGILLUS NIDULANS.

K K Rao V V Modi

Can J Microbiol 14(7):813-815

Jul 1968 448.8 C162

Aspergillus nidulans, Biotin, Fatty aeids, Lipids, Metabolism, Mitochondria, Molds, Research.

THE INFLUENCE OF ORGANIC FERTILIZERS AND OF THE PROCEEDING CROP ON THE ANTIPHYTOPATHOGENIC POTENTIAL (A.P.) OF THE SOIL. (GE)

E Reinmuth

Pflanzenschutzberichte 38(1/2):23-31 REF Jun 1968 464.9 P48

Crops, Fertilizers, Manures, Phytopathology, Soil organic matter, Soil sterilization, Soils. Report given to 6th International Congress for Plant protection, Vienna, 1967. english summary

THRESHOLD VALUES IN THE ECONOMICS OF INSECT PEST CONTROL IN AGRICUL-TURE.

E Sylven

Swed Stat Vaxtskyddsanst Medd 14(118):65-79 REF

1968 464.9 SW3M

Agricultural economics, Insect control, Insect pests, Plant protection. Swedish summary

DISEASES

20510-68

THE USE OF ANTIBODY-SENSITIZED LATEX PARTICLES TO DETECT PLANT VIRUSES.

H S Abu Salih A F Murant M J Daft J Gen Virol 3(2):299-302

Sep 1968 Q0R360.0A10J6

Allergies, Antibodies, Latex, Research, Virus diseases (plants).

20511-68

SOME NUTRITIONAL AND BIOLOGICAL FACTORS AFFECTING REACTION OF SOYBEAN TO PSEUDOMONAS GLYCINEA. (ABSTRACT).

A A Abu-Zinada B W Kennedy

Phytopathology 57(8):801

Aug 1967 464.8 P56

Baeterial diseases (plants), Biology, Plant disease resistance, Plant nutrition, Pseudomonas glycinea, Sovbcans.

20512-68

INTERACTION AMONG VIRUS, CELL AND ORGANISM.

D Atanasoff

Phytopathol Z 59(3):267-276 REF

Jul 1967 464.8 P562

Bacteria, Cells, Chromosomes, Genetics, Plants, Virus diseases (plants). German summary

VIRUS REACTIONS AND TAXONOMY.

J G Bald T W Tinsley

Nature 214(5093):1150-1151

10 Jun 1967 472 N21

Host indexing (plants), Phytopathology, Plant disease resistance, Plant disease transmission, Research, Taxonomy, Virus diseases (plants),

THE USE OF A BIOCHEMICAL INDICATOR FOR DIAGNOSING MICRONOTRIENT DEFI-CIENCIES OF GRAPEFRUIT TREES UNDER FIELD CONDITIONS.

A Bar-Akiva M Kaplan R Lavon

Agrochimica 11(3):283-288

Apr 1968 385 AG84

Assay, Biochemistry, Diagnosis, Grapefruit, Iron, Lcaves, Magnesium, Micronutricnts, Peroxidascs, Plant nutritional deficiencies, Trees, Zinc. German summary

20515-68

SCREENING OF ANTIFUNGAL MICROORGANISMS FROM WEST BENGAL SOILS.

R Basu S K Majumdar

Indian J Exp Biol 5(2):129

Apr 1967 442.8 IN2

Aspergillus, Fungicides, Penicillium, Soil microorganisms. English abstract

VARIATION IN SUSCEPTIBILITY OF CHICK EMBRYO TISSUES TO INFECTION WITH ROUS SARCOMA VIRUS IN VITRO.

R Bather A Wong

Can J Microbiol 14(10):1164-1167 REF

Oct 1968 448.8 C162

Assay, Cells, Chick embryos, Culture media, Research, Rous sarcoma virus, Time, Tissues, Virus diseases (animals).

THE SEROLOGICAL RELATIONSHIP BETWEEN TOBACCO MOSAIC VIRUS AND **CUCUMBER VIRUSES 3 AND 4.**

F C Bawden B Kassanis

Virology 34(1):174-175

Jan 1968 448.8 V81

Cueumbers, Mosaie (tobaceo), Serological tests, Tobacco, Virus diseases (plants), Virus 3 (cucumbers), Virus 4 (eueumbers).

GROWTH OF LISTERIA MONOCYTOGENES IN CORN SILAGE EXTRACT MEDIUM.

D C Blenden G A Gates M S Khan Arner J Vet Res 29(11):2237-2242 REF

Nov 1968 41.8 AM3A Corn, Hydrogen-ion concentration, Listeria monoeytogenes, Morphology, Physiology, Plant diseases, Silage.

TOBACCO LEAF VEINS AS SOURCES OF A CUCUMBER MOSAIC VIRUS FOR APHIDS. R H E Bradley

Virology 34(1):172-173

Jan 1968 448.8 V81

Aphididae, Cucumbers, Inseet vcctors, Mosaic (cucumbers), Tobacco, Veins, Virus diseases plants.

BANANA DISEASES IN THE PACIFIC AREA.

1 W Buddenhagen

Fao Plant Protect Bull 16(2):17-31 REF

Apr 1968 421 P692

Baeterial wilt (bananas), Bunehy top (bananas), Fusarium, Panama disease (bananas), Plant diseases, Plant nutritional deficiencies, Radopholus similis, Sigatoka (bananas).

OUTBREAKS AND NEW RECORDS.

20522-68

S B Chattopadhyay N Mukhopadhyay

Fao Plant Protect Bull 16(3):52

Jun 1968 421 P692

(plants), Bacterial wilt Bacterial diseases (bananas), Bananas, Plant diseases, Pseudomonas solanacearum, Taxonomy.

COMANDRA RUST DAMAGE TO PONDEROSA PINE IN OREGON AND WASHINGTON. ASB608.P6505.

T W Childs

8P

1968

Cronartium comandrae, Fungus diseases (plants), Pinus ponderosa, Tree diseases.

A BIBLIOGRAPHY OF LISTS OF PLANT DIS-EASES AND FUNGI. I. AFRICA.

Rev Appl Mycol 47(11):553-558

Nov 1968 405 R328

Bibliography, Fungi, Plant diseases, Zoogeography.

FLORIDA 20, A FLECK RESISTANT VARIETY OF CIGAR-WRAPPED TOBACCO.

C E Dean

Fla Agr Exp Sta Circ S- 11 P.

Jul 1968 100 F66CI

Crop yields, Downy mildew (tobacco), Industry, Leaves, Plant disease resistance, Research, Seedlings, Tobacco, Weather fleck (tobacco).

20525-68

ALTERNARIA BRASSICAE.

M B Ellis

Commonwealth Mycol Inst Cmi Desc Path Fungi Bact 17(161-170):162

1968 462.7 C73

Alternaria, Fungus diseases (plants), Plant geography, Seed treatment, Seed-borne plant diseases, Vegetables.

Description of a fungal pathogen of vegetables, its geographical distribution and etiology.

20526-68

ALTERNARIA CHRYSANTHEMI.

Commonwealth Mycol Inst Cini Desc Path Fungi Bact 17(161-170):164

1968 462.7 C73

Alternaria, Chrysanthemum, Fungus diseases (plants), Plant geography, Seed-borne plant diseases.

Description of a fungal pathogen chrysanthemum, its geographical distribution and etiology.

20527-68

ALTERNARIA BRASSICICOLA.

Commonwealth Mycol Inst Cmi Desc Path Fungi Bact 17(161-170):163

1968 462.7 C73

Alternaria, Cabbage, Cauliflower, Fungus diseases (plants), Plant geography.

Description of a fungal pathogen of cabbage and cauliflower, its geographical distribution and etiology.

20528-68

PERICONIA CIRCINATA.

M B Ellis

Commonwealth Mycol Inst Cmi Desc Path Fungi Bact 17(161-170):167

1968 462.7 C73

Fungus diseases (plants), Periconia, Plant geography, Soil-borne plant diseases, Sorghum, Wheat.

Description of a fungal pathogen of wheat and sorghum, its geographical distribution and etiology.

20529-68

PERICONIA MACROSPINOSA.

M B Ellis

Commonwealth Mycol Inst Cmi Desc Path Fungi Bact 17(161-170):168

1968 462.7 C73

Fungus diseases (plants), Periconia, Plant ecology, Plant geography, Soil-borne plant diseases.

Description of a non-pathogenic fungus often confused with periconia circinata, its geographical distribution and etiology.

20530-68

EXPERIMENTS ON THE QUANTITY OF SPRAYFLUID IN PREVENTIVE SPRAYING AGAINST LATE BLIGHT, (SW)

Swed Stat Vaxtskyddsanst Medd 13(111):405-420 1967 464.9 SW3M

Fungus diseases (plants), Late blight (potatoes), Phytophthora infestans, Potatoes, Spraying, Volumetric analysis. English summary

MUTATION IN THANATEPHORUS CUCU-MERIS.

N T Flentje H M Stretton A R McKenzie

Australian J Biol Sci 10(6):1173-1180 REF

Dec 1967 442.8 AU72

Antirrhinum majus, Autoradiography, Calcium, Culture media, Fungi, Injections, Lethal factor, Mutation, Plant diseases, Plant geneties, Plant nutrition, Radioactive tracers, Subterranean clover, Thanatephorus cucumeris, Ultraviolet rays. Subterranean

20532-68

RESEARCH ON THE INTERACTIONS OF COL-LETOTRICHUM COCCODES (WALLR.) HUGHES AND ITS PRINCIPLE HOSTS: SOLANUM TUBEROSUM L. AND LYCOPER-SICUM ESCULENTUM L. (FR)

Phytopathol Z 59(3):249-266 REF

Jul 1967 464.8 P562

Colletotrichum coccodes, Fungus diseases (plants), Potatoes, Research, Tomatoes, Wilt (potatoes), Wilt (tomatoes). English and German summaries

GREENING VIRUS, THE LIKELY CAUSE OF CITRUS DIEBACK IN INDIA.

L R Fraser D Singh S P Capoor T K Nariani Fao Plant Protect Bull 14(6):127-130

Dec 1966 421 P692

Biological transport, Citrus, Dieback (eitrus), Insect vectors, Tree diseases, Trees, Tristeza (citrus), Virus diseases (plants).

20534-68

PROPERTIES OF A PLANT VIRUS-INDUCED RNA POLYMERASE IN CUCUMBERS IN-FECTED WITH CUCUMBER MOSAIC VIRUS. J M Gilliland R H Symons

Virology 36(2):232-240 REF

Oct 1968 448.8 V81

Assay, Enzymes, Mosaic (cucuinbers), Polymers, Ribonucleic acid, Tables (data), Virus diseases (plants), Yeasts.

MYCOPLASMA: SUSPECTED ETIOLOGIC AGENT OF CORN STUNT.

R R Granados K Maramorosch E Shikata Nat Acad Sci Proc 60(3):841-844 REF Jul 1968 500 N210P

Cicadellidae, Corn, Insect vectors, Mycoplasma, Plant disease transmission.

Abstract

DEVELOPMENT OF YOUNG PEAR TREES WITH DIFFERENT ROOTSTOCKS IN RELATION TO PSYLLA INFESTATION, PEAR DECLINE, AND LEAF CURL.

W H Griggs D D Jensen B T Iwakiri Hilgardia 39(7):153-204 REF

May 1968 100 C12H

Crop yields, Leaf curl (peaches), Pears, Plant hardiness, Plant physiology, Psylla pyricola, Research, Roots, Virus diseases (plants).

20537-68

IN SITU ALKALINE DEGRADATION OF TUR-NIP YELLOW MOSAIC VIRUS RNA; A COMPARATIVE ANALYSIS.

J E Halperin J M Kaper

Virology 33(4):760-763

Dec 1967 448.8 V81

Hydrogen-ion concentration, Ribonucleie acid, Sedimentation, Virus diseases (plants), Yellow mosaic (turnips).

20538-68

THE ROLE OF TEMPERATURE IN THE DEVELOPMENT OF BLUE MOULD (PERONOSPORA TABACINA ADAM.) DISEASE IN TOBACCO SEEDLINGS. III. THE EFFECT OF PRE-INOCULATION TEMPERATURE AND OF SHADE ON PLANT GROWTH AND DIS-EASE DEVELOPMENT,

A V Hill S Green

Australian J Agr Res 19(5):759-766

Sep 1968 23 AU783

Injections, Peronospora tabacina, Physiology, Research, Seedlings, Temperature, Tobacco.

GREEN ROSETTE VIRUS OF GROUNDNUTS IN SOUTH AFRICA.

P J Klesser

S Af J Agr Sci 11(1):77-86 REF

Mar 1968 24 SU3

Aphis craccivora, Inseet vectors, Peanuts, Plant grafting, Rosette (peanuts), Virus diseases (plants). French, afrikaans and english abstract

20540-68

ON THE NORMAL TISSUE TRANSFORMATION OF SCORSONERA IN VITRO CAUSED BY AGROBACTERIUM TUMEFACIENS DNA. (fr)

A Koyoor

Acad Sci Compt Rend Ser D Sci Nat 265(21):1623-1626

20 Nov 1967 505 P21

Agrobacterium tumefaciens, Baeterial diseases (plants), Crown galls, Deoxyribonucleic aeid, Plant biochemistry, Scorzonera, Tissues.

20541-68

A STRAIN OF NICOTIANA EXIGUA WHICH BY THE COTYLEDONES TEST PROVED TO BE ESPECIALLY RESISTANT TO PERONOSPORA TABACINA (DOWNY MIL-DEW). (GE)

R Krexner

Pflanzenschutzberichte 37(113):15-17

Feb 1968 464.9 P48

Downy mildew (tobacco), Peronospora tabacina, Plant disease resistance, Research, Tobacco. English summary

20542-68

THE VIRUSES IN POTATO FIELDS; A STUDY ABOUT POSSIBILITIES FOR BASIC SEED POTATO GROWING IN SLOVENIA AND GORSKI KOTAR. SB736.0K8. (sl)

Milos Kus 115 P. REF

Jul 1966 Aphididae, Chemical control (plant diseases), Crop yields, Field crops, Insect vectors, Plant physiology, Potatoes, Research, Seedlings, Virus diseases (plants). English summary

CHEMOTAXONOMIC AND ULTRASTRUC-TURAL STUDIES ON THREE SPECIES OF TIL-LETIA OCCURRING ON WHEAT.

J L Laseter W M Hess J D Weete D L Stocks D 1 Weber

Can J Microbiol 14(10):1149-1154 REF Oct 1968 448.8 C162

Anatomy, Electron microscopy, Fungus diseases (plants), Morphology, Research, Taxonomy, Tilletia caries, Tilletia controversa, Tilletia foetida,

BORAX INHIBITION OF CYANOGENESIS IN SNOW MOLD OF ALFALFA.

J B Lebeau T G Atkinson

Phytopathology 57(8):863-865 REF

Aug 1967 464.8 P56

Alfalfa, Basidiomycetes, Borax, Enzymes, Fungus diseases (plants), Hydrocyanic acid, Plant biochemistry, Snow mold (alfalfa).

Abstract: Sprayed plants inoculated with snow mold did not accumulate toxic amounts of HCN in their crown buds. Hydrolysis of amygdalin by an enzyme preparation from the fungus was not inhibited by borax. Borax inhibited the formation of HCN by a normally cyanogenie isolate of the fun-

VARIATION IN DECAY SUSCEPTIBILITY OF SAPWOOD WITH SEASON OF CUTTING. (AB-STRACT).

M P Levi E B Cowling

Phytopathology 57(8):818

Aug 1967 464.8 P56

Cambium, Lenzites trabea, Nitrogen, Polyporus versicolor, Quercus falcata, Rot, Wood decay, Wood destroying fungi.

SOME PLANT GALLS FROM INDIA.

M S Mani

Marcellia 34(3):191-201

Dec 1967 421 M33

Cecidomyiidae, Plant diseases, Plant galls, Plant physiology.

20547-68

PASSIVE SURVIVAL OF ENDOCONIDIA AND CHLAMYDOSPORES OF THIELAVIOPSIS BASICOLA IN SOIL. (ABSTRACT).

C A Martinson

Phytopathology 57(8):821

Aug 1967 464.8 P56

Fungus diseases (plants), Longevity, Plant physiology, Soils, Thielaviopsis basicola.

ANALYSES OF SOME EPIDEMICS OF FOREST TREE DISEASES. (ABSTRACT).

W Merrill

Phytopathology 57(8):822

Aug 1967 464.8 P56

Epidemiology, Forests, Trees.

THE PROTEIN SUBUNIT OF POTATO VIRUS

T Miki C A Knight

Virology 36(2):168-173 REF

Oct 1968 448.8 V81

Chromatography, Electrophoresis, Peptides, Proteins, Sedimentation, Virus diseases (plants), Virus x (potatoes).

20550-68

PLANT PATHOLOGY. GENERAL. PLANT DIS-EASE INFORMATION.

Jamaica Min Agr Lands Bull (N s 62):44-72

1962 80J2270B

Catalogs, Plant diseases.

20551-68

PLANT PEST INFORMATION. PESTS OF CROPS.

Jamaica Min Agr Lands Bull (N s 62):14-20

1962 80J2270B

Catalogs, Crops, Plant diseases, Plant pest control.

MULTIPLICATION OF TOBACCO MOSAIC VIRUS IN SUSPENSION CULTURE OF TOBAC-CO CELLS.

F Motoyoshi N Oshima

Jap J Microbiol 12(3):317-320

Sep 1968 448.8 J273

Mosaic (tobacco), Reproduction, Tissue culture, Tobacco. English abstract

20553-68

FUNGICIDAL ACTIVITY IN SOIL IN RELA-TION TO TIME, CONCENTRATION, A PENICILLIUM POPULATION. (ABSTRACT).

D E Munnecke B J Moore Phytopathology 57(8):823

Aug 1967 464.8 P56

Cyano(methylmercuri)guanidin , Dosage, Fungicides, Fungus diseases (plants), Penicillium, Soils,

20554-68

PEROXIDASE ISOZYMES IN VIRUS-IN-FECTED TOBACCO AND COWPEA. (AB-STRACT).

A Novaeky R E Hampton

Phytopathology 57(8):824

Aug 1967 464.8 P56

Cowpeas, Enzymes, Mosaic (cowpeas), Mosaic (tobacco), Peroxidases, Ring spot (cowpeas), Streak (tobacco), Tobacco, Virus diseases Streak (tobaeco), Tobaeco, (plants).

20555-68

PREVENTIVE SPRAYING AGAINST POTATO BLIGHT. FIELD TRIALS 1954 - 1959. (SW)

Swed Stat Vaxtskyddsanst Medd 13(111):385-403 1967 464.9 SW3M

Blight, Fungicides, Fungus diseases (plants), Late blight (potatoes), Spraying, Time. English summa-

EFFECT OF CONTAINER CHARACTERISTICS ON VARIABILITY OF SOIL TEMPERATURES AND DISEASE REACTION IN THE GREEN-HOUSE. (ABSTRACT).

S A Ostazeski

Phytopathology 57(8):824

Aug 1967 464.8 P56

Birdsfoot trefoil, Containers, Myeoleptodiscus terrestris, Plant diseases, Soil temperature.

20557-68

NEW TYPE OF NUCLEAR LIFE CYCLE IN HEMILEIA VASTATRIX.

R B Rajendren

Nature 213(5071):105

07 Jan 1967 472 N21

Coffee, Fungus diseases (plants), Hemileia vastatrix, Life cycle, Meiosis, Rust (coffee), Seed

20558-68

THE EFFECT OF CAPTAN AND CYCLOHEXIMIDE ON THE GROWTH AND CARBON DIOX-IDE EXCHANGE OF ULMUS AMERICANA. (ABSTRACT).

B R Roberts R J Stipes

Phytopathology 57(8):827

Aug 1967 464.8 P56

Antibiotics, Captan, Cycloheximide, Dieback (ulmus), Fungicides, Fungus diseases (plants), Plant physiology, Ulmus americana.

AN EPIPHYTOTIC OF SEEDLING BLIGHT CAUSED BY HELMINTHOSPORIUM SATIVUM IN RYE CROPS IN ARGENTINA. (SP)

A A Sarasola M A Rocca de Sarasola

(SER 5)5(4):31-52 REF

1968

Chemical control (plant diseases), Fungus diseases (plants), Helminthosporium sativum, Rye. English and spanish abstracts

20560-68

PARTICLE STRUCTURE AND CONCENTRA-TION OF BROMEGRASS MOSAIC VIRUS IN THIN SECTIONS OF BARLEY (MORDEUM VULGARE L.). (GE)

H B Schmidt

Phytopathol Z 59(3):297-300

Jul 1967 464.8 P562

Barley, Cells, Mosaic (bromus), Plant anatomy, Virus diseases (plants). English summary

20561-68

PHLOEM NECROSIS ASSOCIATED WITH THE GREENING DISEASE OF SWEET ORANGE (CITRUS SINENSIS). (ABSTRACT).

H Sehneider

Phytopathology 57(8):829

Aug 1967 464.8 P56

Greening disease (oranges), Insect vectors, Oranges, Phloem, Plant disease transmission, Virus diseases (plants).

BACTERIAL SURVIVAL OF BEAN PATHOGENS IN THE FIELD AND GREEN-HOUSE UNDER DIFFERENT ENVIRONMEN-TAL CONDITIONS. (ABSTRACT).

M L Sehuster

Phytopathology 57(8):830

Aug 1967 464.8 P56

Agronomy, Bacterial diseases (plants), Beans, Corynebacterium, Environment, Greenhouse culture, Pseudomonas, Straw, Xanthomonas.

20563-68

SEROLOGICAL BEHAVIOR OF CUCUMBER MOSAIC VIRUS (STRAIN Y) AND THE VIRUS PROTEIN.

H A Scott

Virology 34(1):79-90 REF

Ian 1968 448 8 V81

Cueumbers, Mosaic (cueumbers), Proteins, Serological tests, Virus diseases plants.

RNA SYNTHESIS IN CELL-FREE EXTRACTS OF BARLEY LEAVES IN FECTED WITH BROMEGRASS MOSAIC VIRUS.

J Semal R 1 Hamilton

Virology 36(2):293-302 REF

Oct 1968 448.8 V81

Barley, Cells, Centrifugation, Leaves, Metabolism, Mosaic (bromus), Plant extracts, Research, Ribonucleic acid, Virus diseases (plants).

20565-68

EXOCORTIS VIRUS OF CITRUS: ASSOCIA-TION OF INFECTIVITY WITH NUCLEIC ACID PREPARATIONS.

J S Semancik L G Weathers

Virology 36(2):326-328

Oct 1968 448.8 V81

Exocortis (citrus), Extracts, Injections, Nucleie acids, Petunia, Phenols, Plant disease transmission, Virus diseases (plants).

ENHANCEMENT OF TOBACCO RATTLE VIRUS STABLE FORM INFECTION BY HETEROLOGOUS SHORT PARTICLES.

J S Semancik M R Kajiyama

Virology 34(1):170-172

Jan 1968 448.8 V81 Plant disease resistance, Rattle disease (tobacco), Tobacco, Virus diseases plants.

THE LIFE CYCLE OF TRISETACUS KIRGHISORUM V. SHEV. (ACARINA, TETRAPODILI)--THE PESTS OF JUNIPERUS SEMIGLOBOSA RGL. (RUS)

V G Sheuchenko De Millo

Leningr Univ Vestnik Ser Biol 00(3):60-67

1968 442.9 L542V

Biology, Eeology, Juniperus, Mites, Trisetacus kirghisorum.

English and russian abstracts.

20568-68

EFFECT OF CLIPPING FREQUENCY ON ROOT ROT OF RED CLOVER. (ABSTRACT).

W M Siddiqui P M Halisky Phytopathology 58(6):731

Jun 1968 464.8 P56

Fungus diseases (plants), Fusarium, Mowing, Red clover, Root rot (red clover), Soil-borne plant dis-

20569-68

DISEASES OF GREENHOUSE PLANTS, 1967.

W Sodergren

Swed Stat Vaxtskyddsanst Vaxtskyddsnotiser 32(2).31-34

1968 464.9 SW3V

Greenhouse culture, Ornamental plants, Plant diseases, Vegetables.

20570-68

INHIBITION OF XANTHOMONAS VESICA-TORIA IN EXTRACTS FROM INOCULATED LEAVES OF BACTERIAL SPOT-RESISTANT PEPPER. (ABSTRACT).

R I: Stall A A Cook

Phytopathology 57(8):832

Aug 1967 464.8 P56

Bacterial diseases (plants), Bacterial spot (redpeppers), Bush redpeppers (vegetable), Leaves, Plant disease resistance, Plant extracts, Xanthomonas vesicatoria.

20571-68

A RAPID TEST FOR AN ANTIFUNGAL SUBSTANCE PRODUCED BY A WOOD-INHABIT-ING FUNGUS IN CULTURE.

M A Stillwell W A Hodgson

Can J Microbiol 14(7):807-808

Jul 1968 448.8 C162

Culture media, Fungus diseases (plants), Late blight (potatoes), Rescarch, Sced germination, Wood.

20572-68

THE RELATIONSHIP BETWEEN SUGAR-CANE MOSAIC VIRUS AND MOSAIC VIRUSES OF MAIZE AND JOHNSON GRASS IN AUS-TRALIA.

R H Taylor R D Pares

Australian J Agr Res 19(5):767-773

Sep 1968 23 AU783

Crop yields, Dwarf disease (corn), Mosaic (sugarcane), Research, Scrological tests, Sorghum halepense, Virus diseases (plants).

EFFECTS OF STRAINS OF ASTER YELLOW VIRUS ON VASCULAR STRUCTURE AND FUNCTION IN NICOTIANA RUSTICA. (AB-STRACT).

W P Ting A H Gold

Phytopathology 57(8):833-834

Aug 1967 464.8 P56

Aster yellows (aztec tobacco), Aztec tobacco, Plant morphology, Plant physiology, Vascular system (plants), Virus diseases (plants).

STUDIES ON THE OUTBREAK OF THE SOFT ROT DISEASE OF CHINESE CABBAGE BY ER-WINIA AROIDEAE (TOWNS.) HOLL. IV. THE EFFECT OF THE SEEDING TIME OF CHINESE CABBAGE UPON THE ESTABLISHMENT OF INOCULUM SOURCE OF THE SOFT ROT DIS-EASE OF CHINESE CABBAGE IN SOIL.

J Togashi M Sakamoto

Tohoku Univ Inst Agr Res Sci Rep Ser D Agr (SER D)19:25-36 REF

1968 22 5 T81

Bacterial diseases (plants), Bacterial soft rot (cabbage), Chinese cabbage, Enterobacteriaccae, Planting date, Soil bacteria, Temperature. English abstract

20575-68

COMPARISON OF CHLOROPLASTS IN MAIZE DWARF MOSAIC VIRUSINFECTED AND HEALTHY CORN, SORGHUM, AND JOHNSON GRASS. (ABSTRACT).

J C Tu R E Ford C J Krass

Phytopathology 57(8):834

Aug 1967 464.8 P56

Chlorophylls, Chloroplasts, Corn, Dwarf mosaic (corn), Dwarf mosaic (Sorghum halpense), Dwarf mosaic (sorghum), Sorghum, Sorghum halepense, Virus diseases (plants).

20576-68

POD ROT OF COCOA IN MALAYSIA CAUSED BY PHYTOPHTHORA HEVEAE.

P D Turner

Fao Plant Protect Bull 16(2).33-34

Apr 1968 421 P692

Climate, Cocoa, Culture media, Fungus diseases (plants), Phytophthora heveae, Phytophthora palmivora, Research, Surveys.

20577-68

THE SENSITIVITY OF SOIL FUNGI AGAINST HERBICIDES. (GE)

E Valaskova

Pflanzenschutzberichte 38(10-11):135-146

Aug 1968 464.9 P48

Biochemistry, Fungus diseases (plants), Fusarium oxysporum, Herhicides, Morphology, Pythium, Soil fungi. Speech given at 6th International Congress, Plant Protection, Vienna, 1967. english summary

INHIBITION OF TOBACCO NECROSIS VIRUS BY GUANIDE CARBONATE.

J P Varma

Virology 36(2):305-308 REF

Oct 1968 448.8 V81

Biochemistry, Carbonates, Chemical control (plant diseases), Guanidine, Kidney beans, Necrosis, Tables (data), Tobacco, Virus diseases (plants).

ENHANCEMENT OF INFECTIVITY BY COM-BINATION OF TWO RIBONUCLEIC ACID COMPONENTS FROM ALFALFA MOSAIC VIRUS.

L V Vloten-Doting E M J Jaspars

Virology 33(4):684-693 REF

Dec 1967 448.8 V81

Centrifugation, Culture media, Extracts, Mosaic (alfalfa), Ribonucleic acid, Sterilization, Virus diseascs (plants).

20580-68

THE REACTIONS OF VARIOUS PLANT SPE-CIES TO LEAF INFECTION WITH POTATO VIRUSES S. AND M. (GE) $\,$

M Vulic W Hunnius

Phytopathol Z 59(3):225-248 REF

Jul 1967 464.8 P562

Leaves, Plants, Virus diseases (plants), Virus m (potatoes), Virus s (potatoes). English summary

20581-68

FINE STRUCTURE OF INCLUSIONS FORMED BY THE AUCUBA STRAIN OF TOBACCO MOSAIC VIRUS.

H E Warmke

Virology 34(1):149-159 REF

Jan 1968 448.8 V81

Aucuba mosaic (tobacco), Cytology, Inclusion bodies, Tobacco, Virus diseases (plants).

Abstract: Aggregates formed by the aucuba strain of tobacco mosaic virus were studied in ultrasections of systemically infected Turkish tobacco plants. Three kinds of aggregates were observed in the cytoplasm of infected cells. The first two already are known; the third, angled layer aggregates, appears to be a new form of viral association.

20582-68

SEROLOGICAL STUDIES ON BROMEGRASS MOSAIC VIRUS AND ITS PROTEIN FRAG-MENTS.

M B van Wechmar M V H van Regenmortel Virology 34(1):36-45 REF

Jan 1968 448.8 V81

Bromus, Culture media, Mosaie (bromus), Proteins, Serological tests, Virus diseases (plants).

Abstract: The serological properties of the capsids and dissociated protein subunits of bromegrass mosaic virus have been compared by immunodiffusion tests

20583-68

VERTICILLIUM WILT OF TOBACCO. V. VARIETAL SCREENING FOR RESISTANCE TO VERTICILLIUM DAIILIAE KLEB., AND MODE OF INHERITANCE OF RESISTANCE.

DSC Wright

New Zeal J Agr Res 11(3).655-664 REF

Aug 1968 23 N4892

Fungus diseases (plants), Plant disease resistance, Plant genetics, Tohacco, Verticillium dahliae, Wilt (tobacco). English abstract

A DEFINED METHOD FOR THE LABORATORY STUDY OF RED STELE OF STRAWBER-RIES. (ABSTRACT).

W K Wynn

Phytopathology 57(8):837

Aug 1967 464.8 P56

Culture media, Fungus diseases (plants), Phytophthora fragariae, Plant disease resistance, Red stele (strawberries), Strawberries.

VI: A NEW OIDIUM GATHERED IN TAIWAN (FORMOSA) ON CARICA PAPAYA: OIDIUM CARICAE-PAPAYAE YEN (N. SP.), (FR.)

Rev Mycol 31(4):311-316

1966 450 AN74

Fungus diseases (plants), Oidium, Papayas, Parasitism, Taxonomy.

20586-68

A STUDY OF THE FUNGUS PARASITES OF SOUTHEAST ASIA. V. NOTE ON SOME MALAYSIAN SPECIES OF OIDIUM. (FR.)

J Yen

Rev Mycol 31(4):281-310 REF

1966 450 AN74

Fungi, Fungus diseases (plants), Oidium, Parasitism, Plants, Research.

ARTHROPODS

20587-68

CONTROL OF THE LEAF-CUTTING ANT, ATTA CAPIGUARA, GONLALVES, 1944-A PASTURE PEST, WITH ANT-KILLERS: DUSTS, LIQUIFIED GASES, POWDERED AND PEL-LETED BAITS. (POR)

E Amante

Biologico 34(7):14.-158 REF

Jul 1968 442.8 B529

Atta, Baits, Chemical control (insects), Dusting, Formicidae, Liquefied gases, Methodology, Pasture management. English abstract

COMPARISON BETWEEN ADLRIN AND MIL-REX AS PRINCIPLE INGREDIENTS OF PEL-LETED BAIT IN CONTROL OF THE LEAF-CUTTING ANT: ATTA SEXDENS RUBROPILOSA FOREL, 1908 AND ATTA LAEVIGATA (F. SMITH, 1858) HYMENOP-TERA, FORMICIDAE. (POR)

E Amante

Biologico 34(7):168-171 REF

Jul 1968 442.8 B529

Aldrin, Atta, Baits, Chemical control (insects), Formicidae, Mirex. English abstract

THE OCCURENCE OF FRIT FLIES (DIPTERA, CHLOROPIDAE) IN CEREAL CROPS IN SWEDEN 1961-1963. (SW.)

H Andersson

Swed Stat Vaxtskyddsanst Medd 14(115), 1-27 1967 464.9 SW3M

Chloropidae, Diptera, Field crops, Grain, Insect outbreaks, Oscinella frit, Surveys, Time. English summary

20590-68

BANANAS: PESTS AND DISEASES.

Anonymous

Agr Vet Chem 9(2).51-53 Mar 1968 382 AG82

Bananas, Chemical control (insects), Geography, Insect pests, Pesticides, Plant diseases, Spraying.

RYE: PESTS AND DISEASES.

Anonymous

Agr Vet Chem 9(2):44

Mar 1968 382 AG82

Geography, Pest control, Pesticides, Plant diseases, Rye, Spraying.

20592-68

BARLEY: PESTS AND DISEASES.

Anonymous

Agr Vet Chem 9(2):42-43

Mar 1968 382 AG82

Barley, Chemical control (pests), Geography, Spraying.

20593-68

OATS: PESTS AND DISEASES.

Anonymous

Agr Vet Chem 9(2):40-41

Mar 1968 382 AG82

Chemical control (pests), Geography, Oats, Plant diseases, Spraying.

20594-68

CEREALS: PESTS AND DISEASES.

Anonymous

Agr Vet Chem 9(2):45-48

Mar 1968 382 AG82

Crop yields, Geography, Grain, Plant diseases, Spraying.

20595-68

ALFALFA, CLOVER AND GRASS: PESTS AND DISEASES.

Anonymous

Agr Vet Chem 9(2):49-51

Mar 1968 382 AG82

Alfalfa, Chemical control (pests), Clover, Crop yields, Geography, Grasses, Spraying.

PLANT-HERBIVORE COEVOLUTION: LU-PINES AND LYCAENIDS.

D E Breedlove P R Ehrlich

Science 162(3854):671-672

08 Nov 1968 470 SC12

Evolution, Larvae, Lupine, Lycaenidae, Population, Predaceous insects, Research, Seedlings.

FOREIGN INSECTS THREATENING ONTARIO AGRICULTURE AND FORESTRY.

G S Brown

Entomol Soc Ontario Proc 96:11-13

1965 420 ON8

Agriculture, Foreign trade, Forestry, Insect pests.

GUIDE LINES FOR THE TESTING OF MATERIALS ON FALLOW FLIES. (GE

C Buhl R Sol

Berlin Biol Bundesanst Land-forstwirtsch Mitt (3):1-7

1968 410.9 G31M

Chemical control (insects), Chloropidae, Diptera, Insecticides, Maggots, Meromyza americana, Methodology.

20599-68

GROWTH OF LAMBS AND DEVELOPMENT OF INTERNAL PARASITISM. II. FIELD TRIALS INVOLVING MEDICATION WITH NATIONAL FORMULARY AND PURIFIED GRADES OF PHENOTHIAZINE.

M L Colglazier 1 L Lindahl J H Turner G I Wilson G E Whitmore

J Parasitol 54(1):89-97

Feb 1968 448.8 J824

Grazing, Haemonchus, Insect control, Lambs, Mortality, Parasitism, Phenothiazine, Physiology, Research

20600-68

GUIDE LINES FOR THE TESTING OF MATERIALS ON ONION FLIES ON ONIONS. (GE)

G Cruger E Mosebach

Berlin Biol Bundesanst Land-forstwirtsch Mitt

1968 410 9 G31M

Anthomyiidae, Chemical control (insects), Diptera, Insecticides, Methodology, Onions.

GUIDE LINES FOR THE TESTING OF INSEC-TICIDES ON CABBAGE FLIES IN CABBAGE. (GE)

G Cruger A Kemper H Umgelter

Berlin Biol Bundesanst Land-forstwirtsch Mitt (3):1-7

1968 410 9 G31M

Anthomyiidae, Cabbage, Chemical control (insects), Diptera, Insecticides, Methodology.

THE PHYTONOME OF ALFALFA HYPERA VARIABILIS HERBST, (COLEOPTERA, CUR-CULIONIDAE) IN SOUTHWEST FRANCE. (FR) K. El M'Sadda

Rev Zool Agr Appl 66(1-3,1ST TRIMESTER):1-15 RFF

1967 410.9 SQ12

Alfalfa, Biological control (insects), Cultural control (insects), Curculionidae, Hypera, Inseet biology. Franch abstract

20603-68

GUIDE LINES FOR THE OFFICIAL TESTING OF PLANT-PROTECTION MATERIALS ON WIRE-WORMS, (GE)

E Gersdorf H Maercks P Steiner

Berlin Biol Bundesanst Land-forstwirtsch Mitt (3):1-13

1968 410.9 G31M

Biological assay, Chemical control (inseets), Coleoptera, Elateridae, Insecticides, Methodology.

GUIDE LINES FOR THE TESTING OF MATERIALS ON BEET HEMIPTERA. (GE

E Gersdorf

Berlin Biol Bundesanst Land-forstwirtsch Mitt (3):1-6

1968 410.9 G31M

Beets, Chemical control (insects), Hemiptera, Insecticides, Methodology.

20605-68

INSECTS ATTACKING AGRICULTURAL CROPS AND ORNAMENTAL PLANTS IN ON-TARIO IN 1965.

H W Goble

Entornol Soc Ontario Proc 96:5-6

1965 420 ON8

Field erops, Insect pests, Ornamental plants, Plant injuries, Time.

20606-68

HEAT INACTIVATION AND INTERACTIONS OF FOUR ASTER YELLOWS VIRUS STRAINS THEIR VECTOR, **MACROSTELES** FASCIFRONS (STAL).

R R Granados R K Chapman

Virology 36(3:333-342 REF

Nov 1968 448.8 V81

Aster yellows (celery), Heat, Insect vectors, Macrosteles fascifrons, Research, Virus diseases (plants).

STUDIES ON THE RELATIONSHIP OF COW-PEA MOSAIC VIRUS AND ITS VECTOR APHIS CRACCIVORA KOCH.

S Q Haque V V Chenulu Phytopathol Z 59(3):277-284

Jul 1967 464.8 P562 Aphis craccivora, Cowpeas, Insect vectors, Mosaic (cowpeas), Research, Stylets, Virus diseases (plants). German summary

20608-68

THE STATUS OF APPLE LEAF ROLLERS IN NORFOLK COUNTY, ONTARIO.

A Hikichi

Entomol Soc Ontario Proc 94:38-40

Sep 1963 420 ON8

Apples, Argyrotaenia velutinana, Insect control, Insect identification, Research, Traps.

20609-68

GUIDE LINES FOR THE TESTING OF MATERIALS ON SPIDER MITES IN VEGETA-BLE BEDS. (GE.)

A Kemper G Cruger G Weigand

Berlin Biol Bundesanst Land-forstwirtsch Mitt (3):1-8

1968 410 9 G31M

Acarina, Chemical control (insects), Insecticides, Methodology, Tetranychidae, Vegetables.

OCCURRENCE AND DISTRIBUTION OF DIS-EASES AND PESTS IN RICE AND THEIR CON-TROL IN THAILAND.

T H King

Fao Plant Protect Bull 16(3):41-44

Jun 1968 421 P692

Bacterial diseases (plants), Biochemistry, Chemical control (insects), Chemical control (plant diseases), Fungus diseases (plants), Insect pests, Insecticides, Nematodes, Plant diseases, Rice, Virus diseases (plants).

20611-68

FOUR-LAYERED MEMBRANE IN PLASTIDS OF GALLS OF CUSCUTA AUS-

G Laudi

Experientia 24(7):729

15 Jul 1968 475 EX7

Cureulionidae, Cuseuta, Plant diseases, Plant galls, Plant histology, Plastids. Italian abstract

CURRENT LITERATURE (XX). AN AN-NOTATED BIBLIOGRAPHY.

D Leatherdale

Marcellia 34(3):231-250

Dec 1967 421 M33

Cecidomyiidae, Inseet pests, Literature.

20613-68

THE EUROPEAN PINE SAWFLY, NEODIPRION SERTIFER (GEOFF.) HYMENOPTERA: DIPRIONIDAE), A REVIEW WITH EMPHASIS ON STUDIES IN ONTARIO.

1. A Lyons

Entornol Soc Ontario Proc 94:5-37 REF

Sep 1963 420 ON8

Biological control (insects), Biology, Chemical control (insects), Demography, Feeding, Insect dissemination, Insect histology, Insect morphology, Neodiprion sertifer, Plant injuries.

20614-68

PREVALENCE OF TRICHINELLA SPIRALIS IN WILD ANIMALS ON TWO ILLINOIS SWINE FARMS

R J Martin P R Schnurrenberger F L Anderson C K Hsu

J Parasitol 54(1):108-111

Feb 1968 448.8 J824

Feeding, Mice, Rats, Research, Swine, Trichinella spiralis, Wildlife.

SURVEY OF INSECT PESTS AND PLANT DISEASES OF SELECTED FOOD CROPS OF MEXICO, CENTRAL AMERICA, AND PANAMA. J U McGuire B S Crandall

2:157P.

Oct 1967

Crop losses, Crops, Geography, Insect identification, Insect pests, Plant diseases, Surveys.

20616-68

LOW VOLUME AERIAL APPLICATIONS OF DDT TO COTTON IN CENTRAL TANZANIA 1966.

R H Parish I A D Robertson

Arusha Trop Pesticides Res Inst Misc Rep 620:12

Jun 1967 423.92 G7922

Aerial spraying, Aircraft, Cotton, DDT, Insect control, Insecticides, Pesticide application, Time.

RELATIONSHIP BETWEEN THE SEASONAL DEVELOPMENT OF THE TARNISHED PLANT BUG, LYGUS LINEOLARIS (BEAUV.) (HEMIP-TERA: MIRIDAE) AND ITS INJURY TO PEACH FRUIT.

J H H Phillips J H De Ronde

Entomol Soc Ontario Proc 96:103-107

1965 420 ON8

Hemiptera, Lygus lineolaris, Peaches, Plant injuries, Rainfall, Temperature.

INNOCULATION OF THE CECIDOMYIIDAE SHELL OF OLIGOTROPHUS REAUMURIANUS ON THE LINDEN LEAF. (FR)

Marcellia 34(3):171-182

Dec 1967 421 M33

Anatomy, Ceeidomyiidae, Humidity, Insect pests, Parasitism, Plant galls, Tilia.

HIGHLIGHTS OF FOREST INSECT CONDI-TIONS IN ONTARIO IN 1965.

W L Sippell

Entomol Soc Ontario Proc 96:6-11 MAP

1965 420 ON8

Insect pests, Time, Trees.

20620-68

CONTRIBUTION ON PLANTGALLS BY OES-TRIDAE. (GE)

M Skuhrava V Skuhravy

Marcellia 34(3):213-227 MAP

Dec 1967 421 M33

Insect vectors, Oestridae, Plant galls, Plant protection, Research.

20621-68

THE CONTROL OF PACHYPASA CAPENSIS L. (LEPIDOPTERA) WITH A VIRUS DISEASE.

L P Van Dyk J B Vermeulen S Afr J Agr Sci 11(1):197-200

Mar 1968 24 SU3

Biological control (insects), Forest insects, Insect diseases, Lepidoptera, Spraying, Viruses.

SOME RESULTS FROM ULTRA LOW-VOLUME SPRAYING IN AN ONTARIO APPLE ORCHARD.

W H A Wilde D E Clark B Volkers

Entomol Soc Ontario Proc 96:107-111

1965 420 ON8

Aphis pomi, Apples, Argyrotaenia velutinana, Chemical control (insects), Malathion, Spray volume, Spraying.

DIFFERENCE FLIGHT BETWEEN NATURALLY OCCURRING SPRING AND SUMMER FORMS OF MYZUS PERSICAE (SULZ.) (HEMIPTERA: APHIDIDAE).

J A T Woodford

Nature 217(5128):583-584 REF

10 Feb 1968 472 N21

Aphididae, Epidemiology, Insect dissemination, Insect flight, Insect vectors, Myzus persicae, Plant disease transmission, Research, Time, Virus diseases (plants).

20624-68

PLUM CURCULIO-NONFRUIT HOSTS AND SURVIVAL (COLEOPTERA: CURCU-LIONIDAE). W D Wylie

Kans Entomol Soc J 39(2):218-222 Apr 1966 420 K13

Conotrachelus nenuphar, Fruit, Larvae, Plant galls, Population statistics, Research.

NEMATODES

SECOND-YEAR POTATO CULTURE, (DU)

Anonymous

Neth Plantenziektenkundige Dienst Ber 1714,3P 09 Jul 1968 464.9 N38

Heterodera rostochiensis, Plant nematodes, Plant pest control, Potatoes.

20626-68

PARASITOLOGICAL STUDIES IN THE PROVINCE OF GRANADA, SOIL NEMATODES PARASITIC ON PLANTS. PARASITE POPULA-TION OF GRANADA, THEIR QUANTITATIVE GEOGRAPHIC DISTRIBUTION AND POSSIBLE OR KNOWN ECONOMIC IMPORTANCE. (SP)

A T Jimenez D G Pozo

Rev Iberica Parasitol 27(3-4):135-172 MAP REF Jul 1967 436.8 R32

Parasitology, Plant nematodes, Rhizosphere, Surveys, Zoogeography.

Abstract

20627-68

ECONOMICALLY IMPORTANT NEMATODES IN ONTARIO.

J L Townshend

Entomol Soc Ontario Proc 96:15-16 REF 1965 420 ON8

Agricultural economics, Plant injuries, Plant ncmatodes, Plant protection.

WEEDS

20628-68

THE EFFECT OF 2,4-DICHLOROPHENOX-YACETIC ACID UPON THE METABOLISM AND COMPOSITION OF SOYBEAN HYPOCOTYL MITOCHONDRIA.

R Baxter J B Hanson

Planta 82(3):246-260 REF

04 Sep 1968 450 P693

D, 2,4-, Herbicides, Mitochondria, Plant composi-tion, Plant metabolism, Plant physiology, Soybeans. English abstract

BIOLOGICAL CONTROL AQUATIC VEGETATION.

A H Chokder

Agr Pakistan 18(2):225-229

Jun 1967 22 AG832

Aquatic weeds, Biological control (weeds), Fish, Turtles. English abstract

20630-68

A NOTE ON THE ASSESSMENT OF HERBI-CIDE TRIALS.

J Foster

Arusha Trop Pesticides Res Inst Misc Rep 625, 6 P. REF

Aug 1967 423.92 G7922

Chemical control (weeds), Herbicides.

HERBICIDALLY ACTIVE CYCLOALKENYL DIHYDRIC FLUOROALCOHOLS AND METHOD OF CONTROLLING WEEDS AND WEEDS THEREWITH. PATENT 3,393,993.

E E Gilbert J O Peterson Us Patent Office Offic Gaz 852(4):939 23 Jul 1968 156.65 OF2

Alcohols, Chemical control (weeds), Cycloalkenes, Halogen compounds, Herbicides, Patents.

20632-68

ASSESSMENT OF CROP LOSSES CAUSED BY NEMATODES IN THE UNITED STATES.

J.M. Good

Foo Plont Protect Bull 16(3):37-40

Jun 1968 421 P692

Assay, Crop losses, Nematodes, Plant injuries, Research, Soil fumigation, Soils.

IOXYNILI ITS EFFECT ON WHEAT YIELD AND WEED POPULATIONS.

J v d W Jooste

S Afr J Agr Sci 11(1):17-26 REF

Mar 1968 24 SU3

Chemical control (weeds), Crop yields, Herbicides, loxynil, Methyl-4-ehlorophenoxyacetic acid, 2-, Weeds, Wheat. French, afrikaans and english abstract

20634-68

HERBICIDES IN THE OSIER (SALIX VIMINALIS) CULTURE. (GE)

W Kampe

Gesunde Pflanzen 20(1):18-20

Jan 1968 464.8 G33

Agricultural chemistry, Culture media, Herbicides, Salix viminalis, Weed control.

20635-68

TEST OF HERBICIDES IN PRE-PLANT AND IN PRE-EMERGENCE ON POTATO CROP. (POR)

C A L dos Lobato L Leiderman

Biologico 33(5):91-96

May 1967 442.8 B529

Bromophenyl)-1-methoxy-1-methylurea, Diuron, Ethyl N,N-dipropylthiolcarbamate, Herbicides, Linuron, Potatoes, Prometryne, Trifluralin, Weed control. English and Portuguese summaries

VEGTETABLES, GENERAL. INTRODUCTION, TESTING OF NEW VARIETIES.

Jamaica Min Agr Lands Bull (N s 62):85-88 1962 80J2270B

Chemical control (weeds), Vegetables, Virus diseases (plants), Weed control.

PENETRATION OF LINDANE INTO PLANTS OF VARIOUS PHOTOPERIODIC GROUPS AND ITS BIOLOGICAL ACTIVITY DEPENDING UPON THE LIGHT CONDITIONS.

G A Odumanova-Dunaeva

Fiziol Rast 14(2, MAR-APR):239-247 REF

Apr 1967 450 F58

Absorption (biological), Corn, Insecticides, Lindane, Peas, Photoperiodism, Plant biochemistry, Tomatoes, Wheat. Russian journal-vol. 14(2):282-291, Mar.-Apr, 1967

CHROMOSOMAL ABERRATIONS INDUCED IN SOMATIC CELLS OF VICIA FABA BY PESTICIDES.

K D Wuu W F Grant

Nucleus 10(1):37-46 Jun 1967 442.8 N88

Abnormalities, Broadbeans, Chromosomes. Cytogenetics, Pesticides, Toxicology. English ab-

OTHER PESTS

CONTROL OF SUNFLOWER MOTH LARVAE AND DAMAGE TO SUNFLOWER SEEDS.

E C Carlson

Calif Agr 22(7):6-8

Jul 1968 100 C12CAG Biology, Chemical control (insects), Homoeosoma electellum, Insecticides, Plant injuries, Research, Spraying, Sunflower seeds.

20640-68

EXPERIMENTAL INFECTION OF GNOTOBIOTIC TENEBRIO MOLITOR AND

WHITE RATS WITH HYMENOLEPIS DIMINUTA (CESTODA: CYCLOPHYLLIDEA).

B B Houser W C Burns J Parasitol 54(1):69

Feb 1968 448.8 J824

Aging, Autopsies, Culture media, Germ-free life, Hymenolepis diminuta, Rats, Research, Tenebrio molitor.

20641-68

A TEMPERATURE STUDY OF THE OVERWIN-TERING SITE OF THE SHEEP BOT FLY, OES-TRUS OVIS L.

C E Rogers F W Knapp D Cook M V Crowe J Parasitol 54(1):164-165

Feb 1968 448.8 J824

Environment, Hibernation, Oestrus ovis, Research, Temperature.

LIVESTOCK PROTECTION

20642-68

HORN FLIES ON CATTLE. HOW TO CONTROL THEM.

USDA Leaft 388:8 P. Jun 1968 1 AG840L

Cattle, Chemical control (pests), Dipping, Dusting, Equipment, Haematobia irritans, Insecticides, Morphology, Research, Spraying.

20643-68

CORYNEBACTERIUM SUIS, ISOLATED IN A CASE OF PYELONEPHRITIS IN SOWS.

B Aaluik

Nord Veterinaermed 20(6):319-320

Jun 1968 41.8 N813

Cystitis, Pyelonephritis, Research, Swine. German and English summary

20644-68

ABSTRACTS OF PAPERS PRESENTED AT THE MEETING OF THE NORTH ATLANTIC SECTION, A.S.A.S. AUGUST 19-20, 1968, BURLINGTON, VERMONT.

J Anim Sci 27(5):1509-1520

Sep 1968 49 J82

Animals, Livestock diseases, Nutrition, Physiology.

20645-68

INSECTICIDE TOXICOLOGY; AUGUMENTED SUSCEPTIBILITY TO CARBARYL TOXICITY IN ALBINO RATS FED PURIFIED CASEIN DIETS.

E M Boyd M A Boulanger

J Agr Food Chem 16(5):834-838 REF

Sep 1968 381 J8223

Albinism, Animal nutrition, Animal physiology, Biochemistry, Carbaryl, Casein, Diet, Feeding, Insecticides, Proteins, Rats, Toxicology.

20646-68

AVIAN BOTULISM IN A MIXED POPULATION OF RESIDENT DUCKS IN AN URBAN RIVER SETTING.

F D Crisley V R Dowell R Angelotti Wildlife Dis Ass Bull 4(3):70-77 REF

Jul 1968 41.9 W64B

Aquatic birds, Botulism, Ducks, Environment, Epidemiology, Toxicology, Water analysis.

20647-68

LUNG CHANGES AND AELUROSTRONGYLUS ABSTRUSUS INFESTATION IN ENGLISH CATS.

J P Dubey J K A Beverley W A J Crane

Vet Rec 83(8):191-194

24 Aug 1968 41.8 V641

Aelurostrongylus abstrusus, Cats, Lungs, Neoplasms, Research, Respiratory system, Surveys.

20648-68

DETERMINATION OF SULFADIMETHOXINE IN ANIMAL TISSUES.

J Fellig J Westheimer

J Agr Food Chem 16(5):738-740

Sep 1968 381 J8223

Animal extracts, Animals, Colorimetry, Dyes, Methodology, Research, Sulfadimethoxine, Tissues.

20649-68

A MEDIUM FOR THE ISOLATION OF AVIAN MYCOPLASMAS.

M L Frey R P Hanson D P Anderson Amer J Vet Res 29(11):2163-2171 REF

Amer J Vet Res 29(11):2103-21/1 REF

Nov 1968 41.8 AM3A

Culture media, Laboratory animals, Mycoplasma gallisepticum, Mycoplasma meleagridis, Mycoplasma synoviae, Research, Turkeys.

20650-68

TOXICOLOGY OF THE HERBICIDE DICHLOBENIL (2,6-DICHLOROBENZONITRILE) AND ITS MAIN METABOLITES,

H Genderen G J Esch

Food Cosmet Toxicol 6(2):261-269 REF

Aug 1968 391.8 F73

Animals, Dichlobenil, Enzymes, Feeding, Herbicides, Metabolism, Metabolites, Necrosis, Reproduction, Research, Toxicology.

20651-68

MILK PRODUCTION RESPONSE TO FEEDING METHIONINE HYDROXY ANALOG TO LACTATING DAIRY COWS.

L C Griel R A Patton R D McCarthy P T Chandler

J Dairy Sci 51(11):1866-1868

Nov 1968 44.8 J822

Dairy cattle, Feed additives, Ketosis, Lactation, Methionine.

20652-68

ESTIMATING THE NUMBER OF ANIMALS: A RAPID METHOD FOR UNIDENTIFIED INDIVIDUALS.

W R Hanson

Science 162(3854):675-676

08 Nov 1968 470 SCI2

Animals, Methodology, Population statistics, Research, Surveys, Zoogeography.

20653-68

D-LACTATE SPECIFIC PYRIDINE NUCLEOTIDE LACTATE DEHYDROGENASE IN ANIMALS.

G L Long N O Kaplan

Science 162(3854):685-686 REF

08 Nov 1968 470 SCI2

Biochemistry, Dehydrogenases, Electrophoresis, Invertebrates, Lactase, Nucleotides, Pyridine, Surveys.

20654-68

THE EFFECT OF PROPYLENE GLYCOL ON BLOOD AND NON-ESTERIFIED FATTY ACIDS (NEFA) IN RUMINANTS.

J Luthman

Nord Veterinaermed 20(6):338-343 REF

Jun 1968 41.8 N813

Blood, Chemicals, Fatty acids, Glucose, Metabolism, Propylene glycol, Research, Ruminants. Swedish and German summary

20655-68

IMMUNIZATION AGAINST ASCARIS SUUM ASCARIS LUMBRICOIDES, AND TRICHINEL-LA SPIRALIS, II. PERORAL IMMUNIZATION AGAINST ASCARIS SUMM BY MEANS OF LIVE ADULT WORMS, 3RD AND 4TH STAGE LARVAE, AND WITH FLUID IN WHICH ADULT WORMS HAD BEEN MAINTAINED.

K Matoff A Tersijski

Z Tropenmed Parasitol 19(3):280

Sep 1968 448.8 Z37

Ascaris lumbricoides, Ascaris lumbricoides suum, Gastrointestinal system, Guinea pigs, Immunization, Larvae, Research, Trichinella spiralis. English and German summary 20656-68

METABOLISM OF CARBONYL-C14-LABELED IMIDAN, N-(MERCAPTOMETHYL)PHTHALI-MIDE-S-(O,O-DIMETHYL-PHOSPHORODITHIOATE), IN RATS AND COCKROACHES.

J B McBain J J Menn J E Casida

J Agr Food Chem 16(5):813-820 REF

Sep 1968 381 J8223

Biochemistry, Blattidae, Chromatography, Dosage, Imidan, Injections, Metabolism, Metabolites, Phthalic acid, Radioactivity, Rats, Research.

20657-68

EFFECTS OF VACCINATIONS WITH STRAIN 19 BRUCELLA ABORTUS, TRIPLE BACTERIN, OR ENDOTOXINS ON SERUM ALKALINE PIIOSPHATASE IN DAIRY CALVES.

W J Miller D M Blackman F M Pate Y G Martin J W Foster

J Dairy Sci 51(11):1791-1795

Nov 1968 44.8 J822

Bacterins, Blackleg (animal), Brucella abortus, Dairy cattle, Endotoxins, Immunization, Livestock diseases, Shipping fever.

20658-68

MASTITIS-METRITIS-AGALACTIA SYN-DROME.

J P Nelson

Kansas Vet 24(5):10-11

Sep 1968 41.9 K1330B

Agalactia, Etiology, Mastitis, Metritis, Microorganisms, Reproduction, Research, Swine, Toxemia.

0659-68

ESTERASES OF MOUSE BRAIN ACTIVE IN HYDROLYZING ORGANOPHOSPHATE AND CARBAMATE INSECTICIDES.

K Sakai F Matsumura

J Agr Food Chem 16(5):803-807

Sep 1968 381 J8223

Agar, Brain, Carbamates, Electrophoresis, Enzymes, Esterases, Hydrolysis, Insecticides, Malathion, Organic compounds, Phosphates, Research, Toxicology.

20660-68

THE EFFECTS OF THE USE OF CHEMICAL MEANS OF PLANT PROTECTION ON BIRD SPECIES BREEDING IN CAVES OR NICHES IN FRUIT ORCHARDS. (GE)

H Schonbeck

Pflanzenschutzberichte 37(10/11):161-178 REF

May 1968 464.9 P48

Birds, Breeding, Cave fauna, Insecticides, Phosphorus, Population. Report given at 6th International Congress for Plant protection, Vienna, 1967. english summary.

20661-68

METHOD FOR RECOVERY OF VIRUSES FROM MILK AND MILK PRODUCTS.

R Sullivan R B Read

J Dairy Sci 51(11):1748-1751 REF

Nov 1968 44.8 J822

Amino acids, Antibiotics, Biological assay, Culture media, Kidneys, Milk, Monkeys, Salts, Viruses.

20662-68

TRANSMISSION IN INVERTEBRATE AND VERTEBRATE GANGLIA.

L. Tauc

Physiol Rev 47(3):521-593 REF

Jul 1967 447.8 P563

Cells, Ganglion cells, Invertebrates, Morphology, Nervous system, Physiology, Vertebrates.

20663-68

SUSCEPTIBILITY OF MINK TO CLOSTRIDI-UM BOTULINUM TYPE C TOXIN.

T B Tjaberg A Skulberg

Nord Veterinaermed 20(6):313-318

Jun 1968 41.8 N813

Clostridium botulinum, Enzymes, Extracts, Food analysis, Injections, Laboratories, Minks, Research, Toxicology. German and English summary

DISEASES

PATHOGENICITY OF VIBRIO COLI FOR SWINE I. EXPERIMENTAL INFECTION OF GNOTOBIOTIC PIGS WITH VIBRIO COLI.

C E Andress D A Barnum R G Thomson Can J Comp Med Vet Sci 32(4):522-528 REF Oct 1968 41.8 C162

Animal diseases, Bacteria, Diagnosis, Dysentery, Germ-free life, Serological tests, Swine, Tissues, Vibrio coli

20665-68

PATHOGENICITY OF VIBRIO COLI FOR SWINE II. EXPERIMENTAL INFECTION OF CONVENTIONAL PIGS WITH VIBRIO COLI. C E Andress D A Barnum

Can J Comp Med Vet Sci 32(4):529-532 REF Oct 1968 41.8 C162

Animal diseases, Bacteria, Injections, Research, Swine, Vibrio coli.

SANITATION IN POULTRY HUSBANDRY. (JA)

Anonymous

Jap Vet Med Ass J 20(6):264-268

1967 41.9 J275

Haemophilus gallinarum, Immunodiagnosis, Mycoplasma, Poultry, Salmonellosis, Sanitation control (pests).

CONTROL OF PSITTACOSIS BY GROUP CHEMOTHERAPY OF INFECTED PARROTS.

P Arnstein B Eddie K F Meyer

Amer J Vet Res 29(11):2213-2227 REF Nov 1968 41.8 AM3A

Animal diseases, Chlortetracycline, Drug therapy, Feed, Parrots, Psittacosis, Research.

THE GEOGRAPHICAL DISTRIBUTION AND CONTROL OF CONTAGIOUS BOVINE PLEU-ROPNEUMONIA IN AFRICA TODAY.

P G Atang

Bull Epizoot Dis Afr 16(2):173-181 MAP REF Jun 1968 41.8 B872

Animal diseases, Animal quarantine, Cattle, Pleuropneumonia, Vaccines, Zoogeography. English and french abstracts

FOOT AND MOUTH DISEASE IN AFRICA.

P G Atang

Bull Epizoot Dis Afr 16(1):129-137 MAP Mar 1968 41.8 B872

Foot-and-mouth disease, Foot-and-mouth disease virus, Geography,

CHOLANGIOCHOLECYSTOGRAPHY IN CANINE MEDICINE CLINICAL REMARKS AND CRITICAL CONSIDERATION ON 50 CHOLANGIOCHOLECYSTOGRAPHIES BILIVISTAN IN DOGS. (IT)

G Ballarini F Vitali

Veterinaria (milano) 17(3):156-179 REF

May 1968 41.8 V6499

Animal diseases, Bilivistan, Cholangiocholecystography, Dogs, Gallbladder, Liver. English summary

ANAPLASMA IN NORTHERN NIGERIA.

W G Beaton

Bull Epizoot Dis Afr 16(1):71

Mar 1968 41.8 B872

Anaplasma, Blood parasites, Cattle, Goats, Nigeria, Sheep.

INFECTIVITY STABILITY OF NEWCASTLE DISEASES VIRUS VACCINE PD-113 UNDER BODY HEAT.

E D Belino P V Arambulo Can Vet J 9(8):189-190 Aug 1968 41.8 R3224

Chickens, Eggs, Immunization, Neweastle disease virus, Temperature, Vaccines, Virus diseases (animals). French summary

SANITARY LEGISLATION OF BRUCELLOSIS IN FRANCE. (FR.)

P Bernard

Lyon Ecole Nat Vet These 7:110 P.

18 Jan 1967 41.2 L99

Brucellosis, Diagnosis, Epidemiology, Legislation, Sanitation, Zoonoses.

ELEPHANT SKIN DISEASE OF CATTLE--A BUSHVELD PROBLEM.

R D Bigalke

S Afr Biol Soc J 7,8:37-39

1966 410.9 SO8J

Cattle, Globidiosis, Glossina, Insect vectors, diseases, Parasitism, Stomoxys, Livestock

ENZOOTIC PNEUMONIA OF PIGS: COMPLE-MENT-FIXATION TESTS FOR THE DETEC-TION OF MYCOPLASMA ANTIBODIES IN THE SERUM OF IMMUNIZED RABBITS AND INFECTED SWINE.

P Boulanger C L'Ecuyer

Can J Comp Med Vet Sci 32(4):547-554 REF Oct 1968 41.8 C162

Antibodies, Complement fixation, Immunization, Pneumonia, Rabbits, Research, Serum, Swine.

DURATION OF RINDERPEST VIRUS EXCRE-TION IN CATTLE IMMUNIZED WITH AN INACTIVATED VACCINE. (FR.)

P Bourdin

Rev Elevage Med Vet Pays Trop 21(2):141-144 1968 41.8 R3262

Cattle, Immunization, Rinderpest virus, Vaccines.

SPECIFIC INTERFERENCE AMONG STRAINS OF NEWCASTLE DISEASE VIRUS. I. DEMONSTRATION AND MEASUREMENT OF INTER-FERENCE.

M A Bratt H Rubin

Virology 33(4):598-608 REF

Dec 1967 448.8 V81

Animal disease resistance, Animal genetics, Assay, Cells, Chickens, Interference phenomenon, New-castle disease virus, Virus diseases (animals).

Abstract: Direct assay for measuring extent of in-terference is compared with the infective center assay, and the superiority of the latter is demonstrated.

ELECTRON MICROSCOPIC CHARACTERIZA-TION OF DUCK PLAGUE VIRUS.

S S Breese A H Dardiri

Virology 34(1):160-169 REF

Jan 1968 448.8 V81

Cytology, Ducks, Electron microscopy, Virus diseases (animals).

Abstract: A virus was isolated from ducks in a recent disease outbreak on farms on Long Island,New York. This disease exhibited charac-teristics similar to duck plague, a disease in ducks endemic to the Netherlands and India. and not previously reported in the United States.

COMMENTS ON INFECTIOUS BOVINE RHINOTRACHEITIS IMMUNIZATION.

A L Brown

Amer Vet Med Ass J 152(6,PT.2):856-857

15 Mar 1968 41.8 AM3

Bovine rhinotracheitis vaccines, Cattle, Feedlots, Immunization, Respiratory diseases, Stress.

THE INCIDENCE OF SKIN DISEASES OF CAT-TLE IN UGANDA.

O Bwangamoi

Bull Epizoot Dis Afr 16(1):115-119

Mar 1968 41.8 B872

Cattle, Hides, Production economics, Skin dis-

WHY BESNOITIOSIS WAS NOT DIAGNOSED IN GOATS IN KENYA AS EARLY AS 1955.

O Bwangamoi

Bull Epizoot Dis Afr 16(2):223-229

Jun 1968 41.8 B872

Animal histology, Besnoitia besnoiti, Cysts, Globidiosis, Goats, Hides, Research.

CLINICAL, SEROLOGICAL AND PATHOLOGI-CAL FINDINGS, IN AN OUTBREAK OF CONTA-GIOUS BOVINE PLEUROPNEUMONIA.

A C Bygrave J E Moulton M Shifrine Bull Epizoot Dis Afr 16(1):21-46 REF

Mar 1968 41.8 B872

Cattle, Infectious diseases, Livestock diseases, Pleuropneumonia, Serological tests.

THE ISOLATION OF A PSITTACOSIS-LYMPHOGRANULOMA VENEREUM (PL) AGENT FROM AN EMPEROR PENGUIN (AP-TENODYTES FORSTERI) CHICK.

A S Cameron

Australian J Exp Biol Med Sci 46(PT 5):647-649

Oct 1968 442.8 AU7

Biological assay, Birds, Epidemiology, Miyagawanella group viruses, Wildlife pests. En-Epidemiology. glish abstract

RELATIONSHIP OF DONOR AGE TO ADSORP-TION OF FOOT-AND-MOUTH DISEASE VIRUS BY MOUSE TISSUES.

C H Campbell

Amer J Vet Res 29(11):2205-2212 REF

Nov 1968 41.8 AM3A

Adsorption, Aging, Animal physiology, Culture media, Foot-and-mouth disease virus, Mice, Research, Tissues, Virus diseases (animals).

20685-68

RESPIRATORY ADENOVIRUS INFECTION IN THE DOG.

R S F Campbell H Thompson H J C Cornwell N G Wright

Vet Rec 83(8):202-203

24 Aug 1968 41.8 V641

Adenoviruses, Anatomy, Animal abnormalities, Animal diseases, Dogs, Histology, Respiratory

20686-68

PANLEUCOPENIA.

R W Cannon

Kansas Vet 24(5):7-10

Sep 1968 41.9 K1330B Antibiotics, Blood serum, Cats, Chemicals, Feline infectious enteritis, Immunization, Research, Temperature, Vaccines.

20687-68

SOME CONSIDERATIONS ON THE STRAIN P5A57 OF THE LIVING VIRUS ATTENDING THE PORCINE DISEASE, (FR.)

J Carra

Ann Med Vet 112(5):396-426 REF

Jul 1968 41.8 AN78

Hog cholera virus, Immunization, Rabbits, Research, Swine, Tissue culture, Vaccines, Virus diseases (animals). English summary

20688-68

THE POSSIBILITY OF PRODUCING BERCULIN SENSITIVITY BY FEEL POULTRY LITTER. FEEDING

J A J Carriere D C Alexander K A McKay Can Vet J 9(8):178-185

Aug 1968 41.8 R3224

Animal diseases, Chickens, Feed, Mycobacterium, Research, Tables (data), Tuberculin. French sum-

TRANSMISSION STUDIES OF SWINE LYMPHOSARCOMA: HEMATOLOGIC AND PATHOLOGIC CHANGES IN PIGS INOCULATED WITH WHOLE CELL SUSPENSIONS.

M T Case J Simon

Amer J Vet Res 29(2):263-269 REF

Feb 1968 41.8 AM3A

Hematology, Injections, Livestock diseases, Lymphosareoma, Swine.

PRESENT STATUS OF IMMUNIZATION PROCEDURES FOR INFECTIOUS BOVINE RHINOTRACHEITIS.

N H Casselberry

Amer Vet Med Ass J 152(6,PT2):853-856

15 Mar 1968 41.8 AM3

Antibodies, Bovine rhinotraeheitis vaeeines, Cattle, Diagnosis, Feedlots, Immunization, Respiratory diseases.

MYCOBACTERIUM AVIUM INFECTION IN CATTLE: A CASE SERIES.

D R Cassidy L G Morehouse H A MeDaniel Amer J Vet Res 29(2):405-410 MAP REF Feb 1968 41.8 AM3A

Cattle, Livestock diseases, Myeobaeterium avium, Research, Tables (data), Tissues, Zoogeography.

20692-68

THE DISTRIBUTION OF INFECTIOUS BRONCHITIS OF CHICKENS IN SLOVAKIA. (CZ.)

K Cernik V Rajtar E Cernikova

Czech Min Zemed Les Hospod Ustav Vedeckotech Inform Vet Med 13(41):329-336 MAP REF 1968 41.9 C333

Biochemistry, Chiekens, Infectious bronchitis, Virus diseases (animals), Zoogeography. English, czeeh, russian and german abstraets

CONTRIBUTION TO THE STUDY OF EQUINE PLAGUE; ITS ACTUAL SANITARY LEGISLATION IN FRANCE. (FR)

Y Cheneau

Lyon Ecole Nat Vet These 11:86 P.

23 Feb 1967 41.2 L99

African horse siekness, Diagnosis, Epidemiology, Legislation, Research, Sanitation, Virus diseases (animals).

20694-68

COMMENTS ON INFECTIOUS BOVINE RHINOTRACHEITIS IMMUNIZATION.

Amer Vet Med Ass J 152(6,PT.2):857-858 15 Mar 1968 41 8 AM3

Antibodies, Bovine rhinotraeheitis vaceines, Cattle, Diagnosis, Immunization, Respiratory diseases.

PLAQUE FORMATION BY RHINOVIRUSES.

R M Conant N L Somerson V V Hamparian Soc Exp Biol Med Proc 128(1):51-56 REF May 1968 442.9 SO1

Biological assay, Methodology, Rhinoviruses, Tissue eulture. English abstract

20696-68

RATION EV. EVALUATION AND KETOSIS

J F Cote

Can Vet J 9(8):191-192

Aug 1968 41.8 R3224

Animal nutrition, Dairy eattle, Feeding, Ketosis, Livestock diseases, Metaholism diseases, Minerals, Tables (data).

ISOLATION OF A PARAINFLUENZA VIRUS FROM SENTRY DOGS WITH UPPER RESPIRA-TORY DISEASE.

R A Crandell W B Brumlow Amer J Vet Res 29(11):2141-2147 REF Nov 1968 41.8 AM3A

Dogs, Hemagglutination-inhibition test, Parainfluenza-3, Research, Respiratory diseases, Serologieal tests, Shipping fever, Tissue culture, Virus diseases (animals).

20698-68

A BUFFY COAT STIMULATING EFFECT IN SERUM FROM CATTLE WITH PERSISTENT LYMPHOCYTOSIS.

R F Cross D R Redman E H Bohl

Can J Comp Med Vet Sci 32(4):600-602

Oct 1968 41.8 C162

Cattle, Cells, Hemograms, Livestoek diseases, Lymphoeytosis, Physiology, Serum.

20699-68

ABORTION IN A DONKEY ASSOCIATED WITH BRUCELLA ABORTUS.

P J Crossman M D Bonson

Vet Rec 82(21):607-608

25 May 1968 41.8 V641

Abortion, Animal breeding, Asses, Brueella abortus. Livestock diseases.

20700-68

VARYING VIRULENCE IN RABBITS IN-FECTED WITH DIFFERENT FILAMENTOUS TYPES OF HISTOPLASMA CAPSULATUM.

L S Daniels M D Berliner C C Campbell

J Bacteriol 96(5):1535-1539

Nov 1968 448.3 J82

Histoplasmosis, Immunology, Infectious diseases, Rabbits, Yeasts. English abstract

THE EFFECT OF ALTERING METABOLIC RATE ON THE MORTALITY AND INCUBATION TIME OF RABIES.

J B Enright C E Franti F L Frye D E Behymer Soc Exp Biol Med Proc 127(4):1111-1116

Apr 1968 442.9 SO1

Bats, Epidemiology, Metabolism, Mortality, Rabies. English abstract

ESTROGENIC FACTORS IN MOULDY GRAIN: VULVOVAGINITIS IN SWINE. (DA

E Eriksen

Nord Veterinaermed 20:396-401

Jul 1968 41.8 N813

Animal diseases, Coital exanthema, Diagnosis, Estrogens, Feed, Fusarium, Grain, Research, Swine. English and German and Swedish

20703-68

CHEMICAL AND MORPHOLOGICAL CHANGES IN THE BRAINS OF COPPERDEFI-CIENT GUINEA PIGS.

G J Everson R E Shrader T-i Wang

J Nutr 96(1):115-125 REF

Sep 1968 389.8 J82

Animal morphology, Biochemistry, Copper, Deficiency diseases, Guinea pigs, Lipids, Nervous system.

20704-68

STATISTICAL STUDIES ON SKIN TUMOURS IN DOMESTIC ANIMALS. (GE

K Frese

Zentralb Veterinarmed Reihe A 15(5):448-459 REF

Animal physiology, Livestock diseases, Neoplasms, Research, Skin diseases, Statistical analysis. English, French, and Spanish summaries.

IMMUNOLOGICAL SPECIFICITY OF SOLU-BLE POLYSACCHARIDES OF CANDIDA ALBICANS.

Y Fukazawa N P Elinov T Shinoda T Tsuchiya Jap J Microbiol 12(3):283-292 REF

Sep 1968 448.8 J273

Agglutination, Antibodies, Candida albieans, Chromatography, Immunochemistry, Polysaeeharides. English abstract

20706-68

AN OUTBREAK OF SWINE POX-LIKE DIS-EASE IN TOTTORI PREFECTURE JAPAN. M Goto M Nakamatsu M Morita T Fkui

Jap J Vet Sci 30(2):61-71 REF

Apr 1968 41.8 J27

Epidemiology, Swine, Swinepox, Swinepox virus, Virus diseases (animals). Japanese translation

AN ATTEMPT TO MODIFY SCRAPIE IN MICE BY THE ADMINISTRATION OF INTERFERON.

1 Gressner I H Pattison

J Gen Virol 3(2):295-297 REF Sep 1968 Q0R360.0A10J6

Interferon, Mice, Proteins, Serapie, Virus diseases (animals).

20708-68

A SEROLOGIC STUDY OF EQUINE INFLUEN-

L G Halterman J M McQueen

Amer Vet Med Ass J 153(8):1069-1073 REF

15 Oct 1968 41.8 AM3

Blood tests, Equine influenza, Horses, Research, Respiratory system, Serological tests, Virus diseases (animals).

20709-68

INFLUENCE OF ADDED ROUGHAGE AND CHLORTETRACYCLINE TO ALLCONCENTRATE RATIONS FOR FATTENING STEERS.

R W Harvey M B Wise T N Blumer E R Barrick J Anim Sci 27(5):1438-1444 REF

Sep 1968 49 J82

Animal nutrition, Animal physiology, Beef eattle, Chlortetraeyeline, Diet, Roughage.

20710-68

AN INVESTIGATION OF THE CONTENT OF SELENIUM AND PHOSPHORUS IN WINTER FEEDING OF LAMBS, COMPARED WITH THE OUTBREAK OF NUTRITIONAL MUSCULAR DEGENERATION IN THE SPRING. (NO)

G N Havre E Steinnes

Nord Veterinaermed 20:420-429 REF

Jul 1968 41.8 N813

Animal nutrition, Feeding, Hay, Museles, Phosphorus, Research, Selenium, Sheep. English, German, and Swedish summary.

CONGENITAL HYDROPS IN MINK.

B Hemmingsen T Moller

Nord Veterinaermed 20(6):306

Jun 1968 41.8 N813

Ahnormalities, Autopsies, Environment, Hereditary diseases, Histology, Minks, Research. English summary

20712-68

AVIAN ENCEPHALOMYELITIS (EPIDEMIC TREMOR). I. A SURVEY OF EPIZOOTIOLOGICAL PROBLEMS AND THE FIRST OCCURRENCE OF THE INFECTION IN CROATIA. (SL

M Hereeg M Kralj H Mazijs S Cvetnie B Marzan

Vet Arli 37(7-8):230-242 REF

1967 41.8 V6416

Animal physiology, Avian eneephalomyelitis, Chickens, Epizootie diseases. English, yugoslavian and french abstracts

20713-68

EFFECT OF DIETARY CADMIUM AND ETHYLENEDIAMINETETRAACETATE ON DRY MATTER DIGESTIBILITY AND ORGAN WEIGHTS IN ZINC DEFICIENT AND NORMAL RUMINANTS.

J M Hiers W J Miller D M Blackmon

J Dairy Sci 51(2):205-209 REF Feh 1968 44.8 J822

Animal nutrition, Cadmium, Diet, Digestion, Ethylenediaminetetraacetic acid, Ruminants, Viscera, Zinc.

20714-68

20714-68

SR-85 AND CS-134 ACTIVITY IN MILK AFTER A SINGLE CONTAMINATION OF PASTURE. J V D Hoek R J Kirchmann

Tijdschr Diergeneesk 18(93):1121-1132 REF 15 Scp 1968 41.8 T431

Animal physiology, Cesium isotopes, Food contamination, Milk, Radioactivity, Strontium isotopes. Dutch, French, and German summaries

CONTAGIOUS BOVINE PLEUROPNEUMONIA: DEVELOPMENT OF A SATISFACTORY AND SAFE VACCINE.

J R Hudson

Bull Epizoot Dis Afr 16(2):165-172

Jun 1968 41.8 B872

Cattle, Mycoplasma mycoides, Plcuropneumonia, Vaccines. English and french abstracts

JOHNE'S DISEASE IN CATTLE AND VACCINATION AGAINST THIS DISEASE. (DU)

H Huitema

Tijdschr Diergeneesk 15(93):953-963

01 Aug 1968 41.8 T431

Cattle, Immunization, Johne's disease, Livestock diseases. English, French, German, and Spanish summarics

PATHOLOGICAL STUDIES ON FAT NECROSIS (LIPOMATOSIS) IN CATTLE.

T Ito S Miura K Ohshima S Numakunai

Jap J Vet Sci 30(3):141-150

Jun 1968 41.8 J27

Animal diseases, Cattle, Chemistry, Histology, Lipomatosis, Necrosis, Neoplasms, Research, Tissues. Japanese summary

20718-68

ONCOLYTIC CAPACITY IN VIVO OF THE NEWCASTLE VIRUS WITH RESPECT TO THE YOSHIDA PERITONEAL SARCOMA. (FR)

H Jacotot

Acad Sci Compt Rend Ser D Sci Nat 264(22):2602-2603

29 May 1967 505 P21

Cancer, Mortality, Neoplasms, Newcastle disease virus, Peritoneum, Rats, Sarcoma.

20719-68

CONTRIBUTION TO THE STUDY OF STO-MATITIS VIRUSES OF SHEEP. (FR

M Y Jacquot

Lyon Ecole Nat Vet These 4:76P. REF

11 Jan 1967 41.2 L99

Diagnosis, Drug therapy, Epidemiology, Research, Sheep, Stomatitis, Virus diseases (animals).

EXPERIMENTAL MASTITIS IN LEUKOPENIC COWS: IMMUNOLOGICALLY INDUCED NEUTROPENIA AND RESPONSE TO INTRAMAMMARY INOCULATION OF AEROBACTER AEROGENES.

N C Jain O W Schalm E J Carroll J Lasmanis Amer J Vet Res 29(11):2089-2097 REF

Nov 1968 41.8 AM3A Acrobacter acrogenes, Cattle, Immunology, Injections, Leukopenia, Livestock diseases, Mammary

glands, Mastitis, Neutropenia.

BERENIL RESISTANCE IN NATURALLY OC-CURRING TRYPANOSOMA CONGOLENSE.

W J Jones-Davics

Bull Epizoot Dis Afr 16(2):213-216

Jun 1968 41.8 B872

Berenil, Drug resistance, Glossina, Trypanosoma,

20722-68

FIELD TRIAL OF JAPANESE ENCEPHALITIS VACCINE FOR THE PREVENTION OF VIRAL STILLBIRTH AMONG PIGS IN SHIZUOKA PREFECTURE IN 1964. (JA)

A Kawakubo

Jap Vet Med Ass J 20(6):255-260 REF 1967 41.9 J275

Encephalitis, Fctal death, Japanese b encephalitis virus, Livestock diseases, Swine, Viral vaccines.

CLASSIFICATION OF AN AVIAN VIRUS BY ELECTRON MICROSCOPY.

P N Khanna E Lund

Arch Gesamte Virusforsch 20(3):387-391 REF 1967 448.3 AR23

Adenoviruses, Chickens, Classification, Electron microscopy, Virology.

Structural features determined by electron microscopy are used to classify an avian virus as an adenovirus.

A NEW CELL LINE OF CALF KIDNEY AND ITS SUSCEPTIBILITY TO VIRUSES.

S Kimura K Fukui N Yoshida Y Matsubara Jap J Microbiol 12(3):293-298

Sep 1968 448.8 J273

Cells, Coxsackic viruses, Immunity, Kidneys, Poliomyelitis, Tissue culture, Virology. English abstract

SUPPLEMENT TO THE PUBLICATION 'ON THE VARIATIONS OF FREE AMINO ACIDS AND PROTEINS IN CHICKEN EGGS AFTER PRELIMINARY TREATMENT OF KILLED SALMONELLA'. I-CONSIDERATION OF THE H2O2-CATALASE PROCESS. (GE)

G Kloos G Roeder

Arch Lebensmittelhyg 18(8):180-183 Aug 1967 41.8 L49

Amino acids, Biochemistry, Chick embryos, Enterobacteriaceae, Peroxides, Proteins, Salmonella. German abstract

20726-68

EFFECT OF HIGH LEVELS OF CARBON DIOXIDE ON PIGS INFECTED WITH PORCINE ENTEROVIRUS.

S Konishi R A Bankowski

Jap J Vet Sci 30(3):131-139 REF

Jun 1968 41.8 J27

Carbon dioxide, Injections, Nervous system diseases, Porcine enteroviruses, Scrological tests, Swinc. Japanese summary

20727-68

OCCURRENCE AND MORPHOLOGY SPONTANEOUS ARTERIOSCLEROSIS DOMESTIC AND WILD PIGS. (GE)

Zentralb Veterinarmed Reihe A 15(5):386-400

Jul 1968 41.8 Z5

Aging, Animal physiology, Arteriosclerosis, Epidemiology, Histochemistry, Livestock diseases, Morphology, Research, Sex, Swine. English, French, and Spanish summary

20728-68

NATURAL DISSECTING ANEURYSM (AORTIC RUPTURE) AND BLOOD PRESSURE IN THE TURKEY.

L M Krista P E Waibel R N Shoffner J H Sautter Nature 214(5093):1162-1163

10 Jun 1968 472 N21

Ancurysms, Animal diseases, Animal genetics, Aorta, Arteries, Blood pressure, Dissection, Hemorrhage, Mortality, Turkeys.

BLINDNESS IN CHICKS ASSOCIATED WITH SALMONELLA TYPHIMURIUM INFECTION.

A P Laursen-Jones Vet Rec 83(8):205

24 Aug 1968 41.8 V641

Animal abnormalitics, Animal diseases, Avian lymphomatosis, Blindness, Chickens, Furmethonol, Mortality, Salmonella typhimurium.

PROGRESS REPORT: DUCK PLAGUE SUR-VEILLANCE OF AMERICAN ANSERIFORMES. Leibovitz

Wildlife Dis Ass Bull 4(3):87-91 Jul 1968 41.9 W64B

Ducks, Environment, Epidemiology, Histology, Injections, Mortality, Reports, Research.

RELATIONSHIP BETWEEN MAREK'S DISEASE AND COCCIDIOSIS. I. ATTEMPTED TRANSMISSION OF MAREK'S DISEASE BY AVIAN COCCIDIA.

P L Long S G Kenzy P M Biggs Vet Rec 83(11):260-261

14 Scp 1968 41.8 V641

Avian lymphomatosis, Birds, Chickens, Coccidiosis, Eimeria acervulina, Eimeria mivati, Eimeria tenella, Injections, Virus diseases (animals).

CLINICOPATHOLOGIC CHANGES IN PRIMARY GLAUCOMA IN THE COCKER SPANIEL. L G Lovckin R W Bellhorn

Amer J Vet Res 29(2):379-385

Feb 1968 41.8 AM3A

Animal diseases, Breeding, Cocker spaniel dogs, Eyes, Glaucoma, Laboratory animals, Research, Tables (data).

20733-68

PRODUCTION OF A WASTING SYNDROME IN THE HAMSTER AFTER THE INNOCULATION OF BOVINE LEUKEMIC EXTRACT. (FR)

G Lussier V Pavilanis

Can J Comp Med Vet Sci 32(4):533-538 REF Oct 1968 41.8 C162

Anemia, Animal diseases, Diagnosis, Extracts, Hamsters, Histology, Injections, Lcukemia. English summary

20734-68

AFLATOXIN INDUCED SERUM ENZYME CHANGES IN CALVES. (ABSTRACT.

G P Lynch N M Jacoby J Anim Sci 27(5):1512

Sep 1968 49 J82

Aflatoxin, Animal physiology, Cattle, Enzymes, Serum. Abstract of American Society of Animal Science meeting

20735-68

FURTHER OBSERVATIONS ON THE EFFECT OF AFLATOXIN IN CALVES. (ABSTRACT). G P Lynch W T Shalkop G C Todd

J Anim Sci 27(5):1512-1513 Sep 1968 49 J82

Aflatoxin, Animal physiology, Cattle, Research. Abstract of American Society of Animal Science meeting

20736-68

TRANSMISSION OF RINDERPEST FROM GOATS TO CATTLE IN TANZANIA.

1 Macadam

Bull Epizoot Dis Afr 16(1):53-60 REF Mar 1968 41.8 B872

Antibodies, Cattle, Goats, Infectious diseases, Mortality, Rinderpest, Rinderpest virus, Sheep.

SEROLOGICAL SURVEY ON INFECTIOUS RESPIRATORY DISEASES OF POULTRY IN OKINAWA.

S Machida K Ando H Kawamura

Tokyo Nat Inst Anim Health Quart 8(1):55-56

1968 41.9 T575Q

Antibodies, Hemagglutination-inhibition test, Livestock diseases, Mycoplasma gallisepticum, Poultry, Respiratory diseases, Scrological tests, Virus diseases (animals).

A SEROLOGICAL SURVEY FOR BRUCELLO-SIS IN CANADIAN SWINE.

K L Malkin J M Tailyour T R S Bhatia R M

Archibaldt Can J Comp Med Vet Sci 32(4):598-599 Oct 1968 41.8 C162

Blood, Brucellosis, Livestock diseases, Research, Serological tests, Surveys, Swine.

CONTRIBUTION TO THE STUDY OF THE INFECTIOUS ECTHYMA IN SHEEP. (FR)

L Marquet-Hauteville

Lyon Ecole Nat Vet These 1:88 P. REF

11 Jan 1967 41.2 L99

Diagnosis, Drug therapy, Ecthyma, Epizootic diseases, Evolution, Infectious diseases, Research, Sheep.

20740-68

ANTIBODIES TO THE GROUP II LUMPY SKIN DISEASE VIRUSES IN THE SERA OF CATTLE IN KENYA.

W B Martin M Gwynne

Bull Epizoot Dis Afr 16(2):217-222

Jun 1968 41.8 B872

Allerton virus, Antibodies, Cattle, Lumpy skin disease, Serum, Virus diseases (animals). French and english abstract

20741-68

ISOLATION, CHARACTERIZATION, AND SEROLOGIC COMPARISON OF SELECTED PORCINE ENTEROVIRUSES BY PLAQUE REDUCTION TEST.

S McConnell R O Spertzel J N Shively Amer J Vet Res 29(2):245-251 REF

Feb 1968 41.8 AM3A

Feces, Porcine enteroviruses, Research, Serological tests, Swine, Tables (data), Virus diseases (animals).

20742-68

EFFICIENCY OF ORAL AND INTRAVAGINAL ESTROUS SYNCHRONIZATION IN EWES. (ABSTRACT),

D E McCreight T L Merritt L L Wilson M C Rugh C S Shaffner

J Anim Sci 27(5):1511

Sep 1968 49 J82

Breeding, Estrus, Mouth, Reproduction, Sheep, Vagina. Abstract of American Society of Animal Science meeting

20743-68

AN OUTBREAK OF SUBCLINICAL NEWCAS-TLE DISEASE IN NORTHERN IRELAND.

J B McFerran W A M Gordon J T T Finlay

Vet Rec 82(21):589-592,MAP

25 May 1968 41.8 V641

Hemagglutination-inhibition test, Humane slaughtering, Newcastle disease, Poultry, Virus diseases (animals), Viruses.

20744-68

IN VIVO PRODUCTION OF A TOXIN(S) BY LISTERIA MONOCYTOGENES.

P K McIlwain R W Barnes

Amer J Vet Res 29(2):483-485

Feb 1968 41.8 AM3A

Animal diseases, Chinchillas, Culture media, Injections, Laboratory animals, Listeria monocytogenes, Research, Toxins.

20745-68

NUTRITIONAL MUSCULAR DEGENERATION (NMD) IN LAMBS. (FEED ANALYSIS, PRACTICAL PROPHYLACTIC TRIALS, REGISTRATION OF NMD). (no)

T Mikkelson M A Hansen

Nord Veterinaermed 20:402-419 REF

Jul 1968 41.8 N813

Animal nutrition, Deficiency diseases, Feed, Feed supplements, Research, Selenium, Sheep. English and German and Swedish summary.

20746-68

BOVINE LYMPHATIC LEUCOSIS IN THE NETHERLANDS; A HISTOPATHOLOGICAL STUDY. (DU)

W Misdorp D C Dodd

Tijdschr Diergeneesk 15(93):943-952 REF

01 Aug 1968 41.8 T431

Cattle, Histology, Leukemia, Livestock diseases, Lymphatic system, Neoplasms. English, French, German, and Spanish summaries 20747-68

SOME AMINO ACID NEEDS OF THE YOUNG PIG FED A SEMISYNTHETIC DIET.

J R Jr. Mitchell D E Becker B G Harmon H W Norton A H Jensen

J Anim Sci 27(5):1322-1326 REF

Sep 1968 49 J82

Amino acids, Animal nutrition, Diet, Swine.

20748-68

TRANSFER AGENT OF IMMUNITY. I. IMMUNE RIBONUCLEIC ACID WHICH INDUCES ANTIBODY FORMATION TO SALMONELLA FLAGELLA.

S Mitsuhashi S Kurashige M Kawakami T Nojima Jap J Microbiol 12(3):261-268 REF

Sep 1968 448.8 J273

Antibodies, Flagella, Immunization, Immunochemistry, Mice, Ribonucleic acid, Salmonella enteritidis. English abstract

20749-68

ISOLATION OF A BOVINE RHINOVIRUS.

S B Mohanty M G Lillie

Soc Exp Biol Med Proc 128(3):850-852 REF

Jul 1968 442.9 SO1

Biological assay, Bovine rhinovirus, Cattle, Methodology, Ribonucleic acid, Virus diseases (animals). English abstract

20750-68

ADJUVANT VACCINES PREPARED FROM KILLED BRUCELLA ABORTUS. STRAIN 45/20.

W J B Morgan A McDiarmid

Vet Rec 83(8):184

24 Aug 1968 41.8 V641

Agglutination test, Animal diseases, Antibodies, Brucella abortus, Immunity, Research, Serological tests, Vaccines.

20751-68

PROGESTERONE AND ORALLY ACTIVE PROGESTERONE AND DIETHYLSTIL-BESTROL ON LITTER SIZE AND WEIGHTS OF PIC.

M C Morrissette 1 T Omtvedt Amer J Vet Res 29(2):271-273

Feb 1968 41.8 AM3A

Animal physiology, Biochemistry, Diethylstilbestrol, Drug therapy, Progesterone, Research, Swine.

20752-68

RESPONSES IN DOGS EXPOSED TO ATTENUATED RABIES VIRUS.

B L Moseley L G Morehouse L D Kintner Amer J Vet Res 29(11):2113-2118 REF

Nov 1968 41.8 AM3A

Antibodies, Antigens, Diagnosis, Dogs, Fluorescent antibody technic, Injections, Rabies virus, Virus diseases (animals).

20753-68

CANINE NOCARDIOSIS DUE TO NOCARDIA CAVIAE.

1 E Mostafa L Cerny J Cerna

Rev Elevage Med Vet Pays Trop 21(2):181-189 REF

1968 41.8 R3262

Bacterial diseases (animals), Dogs, Histology, Nocardia, Nocardiosis.

20754-6

GASTRO-ENTERITIS IN KENYA GOATS CAUSED BY GLOBIDIUM GILRUTHI.

G M Mugera P Bitakaramire

Vet Rec 82(21):595-597

25 May 1968 41.8 V641

Bunostomum, Globidiosis, Globidium gilruthi, Goats, Haemonchosis, Livestock diseases, Oesophagostomum, Strongyloides, Trichostrongy-

20755-68

PATHOLOGY OF COCCIDIOSIS IN KENYA GOATS.

G M Mugera

Bull Epizoot Dis Afr 16(1):101-106 REF

Mar 1968 41.8 B872

Coccidiosis, Goats, Livestock diseases, Research, Sheep.

20756-68

SPOT METHOD IN AGAR FOR THE QUANTITATIVE ASSAY OF ANTISALMONELLA ANTIBODY.

M Nakano Y Kishimoto K Saito

Jap J Microbiol 12(3):364-366

Sep 1968 448.8 J273

Antibodies, Biological assay, Culture media, Diagnosis, Methodology, Rodents, Salmonella enteritidis. English abstract

20757-68

ELECTRON MICROSCOPY OF VIRUS-LIKE PARTICLES FOUND IN BOVINE LEUKEMIA.

K Nazerian R M Dutcher E P Larkin J J Tumilowicz C P Eusebio

Amer J Vet Res 29(2):387-395 REF

Feb 1968 41.8 AM3A

Cattle, Electron microscopy, Leukemia, Milk analysis, Morphology, Research, Virus diseases (animals).

20758-68

PYRIMIDINE NUCLEOTIDE METABOLISM AND PATHWAYS OF THYMIDINE TRIPHOSPHATE BIOSYNTHESIS IN SALMONELLA TYPHIMURIUM.

J Neuhard

J Bacteriol 96(5):1519-1527 REF

Nov 1968 448.3 J82

Metabolism, Nucleotides, Organophosphates, Pyrimidines, Salmonella typhimurium, Synthesis, Thymidine. English abstract

20759-68

THE RELATION BETWEEN MILK PRODUCTION AND SENSITIVITY OF THE UDDER FOR INFECTION WITH SC. AGALACTIAE. (SL)

B Okljesa M Kopljar M Sviben Vet Arh 37(7-8):187-192

1967 41.8 V6416

Agalactia, Cattle, Lactation, Mastitis, Statistical analysis, Streptococcus agalactiae. English and german abstracts

20760-68

EXPERIMENTAL STUDIES ON AN-CYLOSTOMIASIS IN CATS. VIII. DIAGNOSIS AND TREATMENT OF ANCYLOSTOMIASIS IN CATS.

S Okoshi Y Murata

Jap J Vet Sci 30(3):167-173

Jun 1968 41.8 J27

Ancylostoma tubaeforme, Ancylostomiasis, Anthelmintics, Cats, Diagnosis, Disophenol, Injections, Research, Tetrachloroethylene. Japanese

20761-68

CUTANEOUS AND PENILE BOVINE FIBROPAPILLOMATOSIS AND ITS CONTROL.

C Olson M G Robl L L Larson Amer Vet Med Ass J 153(9):1189-1194 REF

01 Nov 1968 41.8 AM3

Biochemistry, Bovine papilloma virus, Cattle, Dosage, Drug therapy, Epizootic diseases, Immunization, Papilloma, Virus diseases (animals).

20762-68

CONDITIONAL LETHAL MUTANTS OF RAB-BITPOX VIRUS. III. TEMPERATURE-SENSI-TIVE (TS) MUTANTS; PHYSIOLOGICAL PRO-PERTIES, COMPLEMENTATION AND RECOMBINATION.

B L Padgett J K N Tomkins

Virology 36(2):161-167 REF Oct 1968 448.8 V81

Assay, Autoradiography, Deoxyribonucleic acid, Genetics, Lethal factor, Mutation, Physiology, Rabbitpox virus, Research, Temperature, Viruses.

20763-68

20763-68

ENHANCEMENT OF CANDIDA ALBICANS VIRULENCE IN MICE INFECTION AND EFFICACY OF HAMYCIN.

M V Panse

Indian J Exp Biol 5(2):112-114

Apr 1967 442.8 1N2

Animal diseases, Antibioties, Candida albieans, Drug therapy, Fungicides, Mice. English abstract

20764-68

VETERINARY EXAMINATION AND EVALUA-TION OF FATTENED SWINE SLAUGHTERED DURING THE ACTUAL COURSE OF RADIA-TION SICKNESS. (CZ

O Pawel V Kalousova P Otoupal J Vranovska Veterinarstvi 18(8):356-359

1968 41.8 V6439

Livestock diseases, Radiation, Swine.

20765-68

DIAGNOSIS OF TRANSMISSIBLE GASTROEN-TERITIS IN PIGS BY MEANS OF IMMU-NOFLUORESCENCE.

M B Pensaert E O Haelterman T Burnstein Can J Comp Med Vet Sci 32(4):555-561 REF Oct 1968 41.8 C162

Animal diseases, Diagnosis, Fluorescent antibody teehnie, Gastroenteritis, Immunology, Injections, Research, Swine, Virus diseases (animals).

20766-68

A DIAGNOSTIC ANTIGEN FOR NOCARDIO-SIS: COMPARATIVE TESTS IN CATTLE WITH NOCARDIOSIS AND MYCOBACTERIOSIS.

A C Pier J R Thurston A B Larsen Amer J Vet Res 29(2):397-403 REF Fcb 1968 41.8 AM3A

Antigens, Cattle, Diagnosis, Livestock discases, Myeobaeterium, Nocardia asteroides, Noeardiosis, Research.

20767-68

RELATIONSHIP OF PELLETED, AU-TOCLAVED AND HEAT-EXPANDED CORN OR STARVATION TO GASTRIC ULCERS IN SWINE.

E F Pocoek H S Bayley C K Roe J Anim Sci 27(5):1296-1302 REF

Sep 1968 49 J82

Animal diseases, Autoclaves, Corn, Diet, Starvation, Stomach, Swine, Ulccrs.

20768-68

MALARIA: EXTRACELLULAR AMINO ACID REQUIREMENTS FOR IN VITRO GROWTH OF ERYTHROCYTIC FORMS OF PLASMODIUM KNOWLESI.

H Polet M E Conrad

Soc Exp Biol Med Proc 127(1):251-253

Jan 1968 442.9 SO1

Amino acids, Malaria, Metabolism, Plasmodium, Sporozoa, Tissue culture. English abstraet

20769-68

RINDERPEST PROTECTION IN CATTLE BY MEASLES VIRUS. APPLICATION IN CALVES WITH PASSIVE IMMUNITY FROM MATERIAL ANTIBODIES. (FR)

A Provost Y Mauriee C Borredon

Rev Elevage Med Vet Pays Trop 21(2):145-164 REF

1968 41.8 R3262

Antibodies, Cattle, Immunity, Measles virus, Rinderpest.

20770-68

STABILITY OF ATTENUATED CANINE DISTEMPER VACCINE DERIVED FROM CHICK EMBRYO TISSUE CULTURE.

J Prydie J Graham

Vet Rec 83(11):265-268

14 Sep 1960 41.8 V641

Canine distemper vaccincs, Distilled water, Light, Temperature, Tissue culture.

20771-68

CANINE VISCERAL LEISHMANIASIS IN IRAN.

A Rafyi Al. Niak R Naghshineh H Aboutorabian Vet Rec 83(11):269-271

14 Sep 1968 41.8 V641

Animal diseases, Histology, Injections, Kala-azar, Lymph nodes, Microscopy, Parasitic inseets, Rescarch, Tissue culture.

20772-68

ROLE OF THE BRUCELLOSE IN THE ETIOLOGY OF ABORTIONS OF THE BOVINES. (FR)

M Raspail

Lyon Ecole Nat Vet These 35:68 P. REF 09 Jun 1967 41.2 L.99

Abortion, Animal diseases, Brueellosis, Cattle, Economies, Genes, Public health, Research, Veterinary medicine.

20773-68

LYOPHILIZED ANTI SHEEP-POX, WITH SEN-SITIZED VIRUS. (FR)

M Ribeiro P Surean

Inst Pasteur Algerie Arch 45:11-29 REF 1967 448.3 IN7A

Immunity, Lyophilization, Methodology, Sheep, Sheeppox, Vaccines.

20774-68

FELINE URETHRAL OBSTRUCTION: MINERAL ASPECTS.

L J Rieh R W Kirk

Amer J Vet Res 29(11):2149-2156

Nov 1968 41.8 AM3A

Animal diseases, Assay, Cats, Diet, Hydrogen-ion concentration, Injections, Mincrals, Tables (data), Urogenital system.

20775-68

URACIL NUCLEOTIDE-RICH SEGMENTS IN THE NUCLEIC ACID MOLECULE OF BAI STRAIN A (MYELOBLASTOSIS) VIRUS AND THE QUESTION OF THEIR POSSIBLE PARTICIPATION IN THE SPECIFIC SHAPE OF THE ABSORBANCE-TEMPERATURE PROFILE OF HIGH MOLECULAR WEIGHT VIRUS NUCLEIC ACID (V-0RNA) IN STANDARD CITRATE BUFFER.

J Riman

Folia Biol (praha) 13(2):122-135 REF 1967 442.8 F712

Animal physiology, Biochemistry, Neoplasms, Nueleie aeids, Uraeil, Viruses. English abstract

20776-68

AN OUTBREAK OF MUCOSAL DISEASE IN KENYA.

R W Roach

Bull Epizoot Dis Afr 16(1):81-91

Mar 1968 41.8 B872
Antibodies Calves Livestock d

Antibodies, Calves, Livestock diseases, Mortality, Mueosal disease.

20777-68

SEROLOGICAL INVESTIGATION OF BRUCELLOSIS IN GAME ANIMALS IN TANZANIA. R Saehs C Staak C M Groocoek

Bull Epizoot Dis Afr 16(1):93-100 MAP REF Mar 1968 41.8 B872

Blood serum, Brucella, Brucellosis, Research, Wildlife diseases.

20778-68

SOME STUDIES OF INFECTIOUS BOVINE RHINOTRACHEITIS (IBR) VIRUS INFECTION IN CALVES.

S A Sattar E H Bohl

Can J Comp Med Vet Sci 32(4):587-592 REF Oct 1968 41.8 C162

Dairy cattle, Immunity, Infectious bovine rhinotraeheitis virus, Research, Serum, Virus diseases (animals).

20779-68

INCIDENCE AND TYPES OF CANINE RECTAL CARCINOMAS.

E Schaffer B Sehieffer

J Small Anim Pract 9(10):491-496 REF Oct 1968 41.8 J8292 Adenocarcinoma, Adenoma, Autopsies, Carcinoma, Dogs, Livestoek diseases, Metastasis, Mueins, Reetum.

20780-68

RHINOVIRUSES: THE ISOLATION AND CHARACTERIZATION OF THREE NEW SEROLOGIC TYPES.

J H Sehieble E H Lennette V L Fox

Soc Exp Biol Med Proc 127(1):324-328 REF Jan 1968 442.9 SO1

Biochemistry, Respiratory diseases, Rhinoviruses, Serodiagnosis. English abstract

20781-68

EXPRESSION AND LOCALIZATION OF ESCHERICHIA COLI ALKALINE PHOSPHATASE SYNTHESIZED IN SALMONELLA TYPHIMURIUM CYTOPLASM.

M J Schlesinger R Olsen

J Bacteriol 96(5):1601-1605 REF

Nov 1968 448.3 J82

Alkalinc phosphatase, Biochemistry, Cytoplasm, Escherichia coli, Genetics, Salmonella typhimurium, Synthesis. English abstract

20782-68

ZINC REQUIREMENT OF BABY PIGS ON CASEIN DIETS.

S H Shanklin E R Miller D E Ullrey J A Hoefer R W Lueeke

J Nutr 96(1):101-108 REF

Sep 1968 389.8 J82

Alkaline phosphatase, Animal nutrition, Baby pigs, Blood serum, Casein, Chemurgy, Deficiency diseases, Diet, Obesity, Parakeratosis, Zinc.

20783-68

PRELIMINARY STUDIES ON LIVING CULTURE AND INACTIVATED VACCINES AGAINST CONTAGIOUS BOVINE PLEUROPNEUMONIA.

M Shifrine J Beech

Bull Epizoot Dis Afr 16(1):47-52

Mar 1968 41.8 B872

Cattle, Immunization, Infectious diseases, Myeoplasma mycoides, Pleuropneumonia, Research.

20784-68

IRON INJECTION AND HAM ACCEPTABILITY.

G C Skelley D L Handlin E E Leslie J Anim Sci 27(5):1261-1265

Sep 1968 49 J82

Agricultural regulation, Animal physiology, Injections, Iron, Meat.

20785-68

THE LOCATION OF THE PARASITES IN MUSCLE CYSTICERCOSIS.

J Slais

Folia Parasitol 14(3):217-223 REF

1967 436.8 C33

Animal histology, Cestoda, Cystieereus bovis, Cystieereus cellulosae, Livestock diseases, Museles, Parasitism, Swine.

20786-68

CONCENTRATION OF LIVER IRON IN CALVES AND RESPONSE TO DIETARY IRON AND DESFERRIOXAMINE.

G J St-Laurent G J Brisson

J Anim Sci 27(5):1426-1430 REF

Sep 1968 49 J82

Animal physiology, Cattle, Diet, Iron, Liver.

20787-68

VACCINATION AGAINST LEPTOSPIROSIS: IMMUNOGENICITY OF VIABLE, AVIRULENT LEPTOSPIRA POMONA IN HAMSTERS, SWINE, AND CATTLE.

O H V Stalheim

Amer J Vet Res 29(2):473-478 REF

Feb 1968 41.8 AM3A

Cattle, Hamsters, Immunity, Immunization, Leptospira pomona, Leptospirosis, Livestoek diseases, Swine, Tables (data).

INHIBITION OF TRICHINELLA COMPLEMENT FIXATION BY MACROGLOBULIN. **SPIRALIS** IMMUNE

R W Stevens J T Utter M S Rubin Soc Exp Biol Med Proc 129(3):828-831 Dec 1968 442.9 SO1

Antibodies, Complement fixation, Immunology, Trichinella spiralis. English abstract

INFLUENCE OF SENDAI VIRUS ON RSV FOR-MATION IN MIXED CULTURE VIROGENIC MAMMALIAN CELLS CHICKEN FIBROBLASTS.

J Svoboda O Machala I Hlozanek Folia Biol (praha) 13(2):155-157 REF 1967 442.8 F712

Animal physiology, Cells, Parainfluenza-1 virus, Rous sarcoma virus, Tissue culture, Viruses. English abstract

SPIRAMYCINE IN THE TREATMENT OF BOVINE MASTITIS BY THE PARENTERAL ROUTE.

P Szokolay L Wemmert

Nord Veterinaermed 20(6):321-329

Jun 1968 41.8 N813

Antibiotics, Cattle, Injections, Mastitis, Milk analysis, Research, Spiramycin, Streptococcicosis. German and English summary

INVESTIGATION INTO ELECTRONIC CELL NUMBER COUNTING BRABANTER MASTITIS-REACTION, WHITESIDE MASTITIS TEST AND LAB COAGULATION TIME OF MILK. (GE)

G Terplan R Schleyerbach Arch Lebensmittelhyg 18(9)195-200 REF

Sep 1967 41.8 L49

Agalactia, Blood coagulation, Cells, Diagnosis, Mastitis, Milk analysis, Statistical analysis. German

20792-68

FILARIAL INFECTIONS OF DOGS IN ATLAN-TA, GEORGIA.

J P Thrasher K G Gould M J Lynch C C Harris Amer Vet Med Ass J 153(8):1059-1063 REF 15 Oct 1968 41.8 AM3

Animal diseases, Blood, Dipetalonema reconditum, Dirofilaria immitis, Dogs, Filariasis, Research.

ANTIBIOTICS IN VETERINARY THERAPEU-TICS.

P Villemin Cah Med Vet 37(3):67-81

May 1968 41.8 C11

Animal diseases, Antibiotics, Drug therapy, Veterinary medicine.

EXPERIENCE WITH THE LYSINE-CARBOX-YLASE REACTION IN SALMONELLA DIAG-NOSIS. (GE)

G van der Wall

Arch Lebensmittelhyg 18(6):128-131 REF

Jun 1967 41.8 L49

Animal diseases, Biochemistry, Carboxylases, Diagnosis, Enterobacteriaceae, Lysine, Salmonella. German abstract

20795-68

A COMMON SURFACE ANTIGEN IN IN-FLUENZA VIRUSES FROM HUMAN AND AVIAN SOURCES.

R G Webster H G Pereira J Gen Virol 3(2):201-208 REF Sep 1968 Q0R360.0A10J6

Antigens, Birds, Human diseases, Influenza viruses, Serological tests.

20796-68

CONTROL AND THERAPY OF FOOT-ROT IN SHEEP IN THE PROVINCE OF FRIESLAND. (DU)

G D V D Werff

Tijdschr Diergeneesk 18(93):1133-1139

15 Sep 1968 41.8 T431

Foot rot (animals), Livestock diseases, Pest control, Sheep, Therapeutics.

ENHANCEMENT OF INFECTIVITY OF A MAMMALIAN VIRUS PREPARATION AFTER INJECTION INTO INSECTS.

R F Whitcomb D D Jensen Virology 34(1):182-184

Jan 1968 448.8 V81

Agallia constricta, Colladonus montanus, Insect vectors, Reoviruses, RNA, (animals), Virus diseases (plants). Virus diseases

20798-68

IN VITRO AND IN VIVO RUM MICROBIOLOGICAL STUDIES WITH CHLORO-4,6-BIS(ISOPRO-PYLAMINO)-S-TRIAZINE (PROPAZINE).

P P Williams K L Davison E J Thacker J Anim Sci 27(5):1472-1476 REF Sep 1968 49 J82

Animal physiology, Culture media, Microbiology, Propazin, Research, Rumen.

20799-68

DIETARY INTERRELATIONSHIP OF COBALT AND SELENIUM IN LAMBS.

W R Wise P H Weswig O H Muth J E Oldfield J Anim Sci 27(5):1462-1465 REF Sep 1968 49 J82

Animal nutrition, Cobalt, Diet, Lambs, Selenium.

20800-68

FIELD VECTOR STUDIES OF EPIZOOTIC EAST COAST FEVER VI.THE OCCURRENCE OF AMBLYOMMA VARIEGATUM AND A. LEPIDUM IN THE EAST COAST FEVER ZONES.

G H Yeoman

Bull Epizoot Dis Afr 16(2):183-203 MAP REF Jun 1968 41.8 B872

Amblyomma, Cattle, Epizootic diseases, Insect vectors, Ixodidae, Sporozoa, Theileriasis.

20801-68

FIELD VECTOR STUDIES OF EPIZOOTIC EAST COAST FEVER. V. THE OCCURRENCE OF BOOPHILUS DECLORATUS IN THE EAST COAST FEVER ZONES.

G H Yeoman

Bull Epizoot Dis Afr 16(1):7-20 MAP REF Mar 1968 41.8 B872

Boophilus decoloratus, Cattle, Fever, Goats, Insect dissemination, Insect vectors, Ixodidae, Sheep, Theileria parva.

20802-68

COMBINED INOCULATION OF SWINE AGAINST AUJESKY'S DISEASE AND PLAGUE, AND AUJESKY'S DISEASE AND ERYSIPELAS WITH LIVE VACCINES. (CZ)

A Zuffa O Zak J Vlcek A Eollos E Wagner N Calovo

Veterinarstvi 18(8):343-346

1968 41.8 V6439

Immunization, Pseudorabies, Swine, Swine erysipelas, Swine plague, Vaccines.

STUDIES ON ANAPLASMA OVIS INFECTION. II. PATHOGENICITY OF A NIGERIAN GOAT STRAIN FOR DUTCH SHEEP AND GOATS.

D Zwart J Buys

Bull Epizoot Dis Afr 16(1):73-80 Mar 1968 41.8 B872

Anaplasma ovis, Blood parasites, Goats, Infectious diseases, Livestock diseases, Sheep, Spleen.

ARTHROPODS

20804-68

EFFECTS OF TEMPERATURE ON THE DEVELOPMENT OF THE DOG HEARTWORM,

DIROFILARIA IMMITIS, IN AEDES SOL-ICITANS.

F D Beam

N J Mosquito Exterm Ass Proc 54:128-138 REF Mar 1967 420 N46

Aedes sollicitans, Blood, Dirofilaria immitis, Insect physiology, Larvae, Research, Temperature. Mortality, Physiology,

THE SUMMER AND AUTUMN DAILY ACTIVITY OF COMMON WOOD TICKS IN THE WOODS OF JEZIRKO NEAR BRNO. (GE) I Bouckova V Dyk

Angew Parasitol 09(1):36-40

Feb 1968 436.8 AN4

Acarina, Insect ecology, Ixodes ricinus, Sheep. German, russian, english and czech abstract

20806-68

SMALL MAMMALS AND THEIR ECTOPARASITES FROM THE SCOTTISCH ISLANDS OF HANDA (SUTHERLAND), MUCK, PABAY, SCALPAY AND SOAY (INNER HEBRIDES).

G B Corbet R A D Cameron J J D Greenwood Linn Soc London J Zool 47(312):301-307

Apr 1968 410.9 L64

Acarina, Animal ecology, Mammals, Parasitic insects, Siphonaptera, Surveys, Zoogeography. English abstract

20807-68

TRANSMISSION OF ATTENUATED AND VIRU-LENT BLUETONGUE VIRUS WITH CULI-COIDES VARIIPENNIS INFECTED ORALLY VIA SHEEP.

N M Foster R H Jones A J Luedke Amer J Vet Res 29(2):275-279

Feb 1968 41.8 AM3A

Bluetongue virus, Culicoides variipennis, Immunization, Infectious diseases, Insect vectors, Livestock diseases, Sheep, Virus diseases diseases, Sheep, (animals).

PIPERAZINE IN VETERINARY MEDICINE. (IT

G Gasparini

Veterinaria (milano) 17(3):143-155 REF May 1968 41.8 V6499

Anthelmintics, Drug therapy, Livestock diseases, Metabolism, Parasitism, Piperazine.

PARASITES

20809-68

HELMINTHOFAUNA OF DOMESTIC FOWL, PHEASANTS AND PARTRIDGES IN THE COUNTRY. (GE)

J Beisovec

Angew Parasitol 09(1):15-20 MAP REF

Feb 1968 436.8 AN4

Helminthiasis, Pheasants, Poultry, Wildlife pests. German, russian, english and czech abstract

BOVINE FASCIOLIASIS IN KENYA.

P K Bitakaramire

Bull Epizoot Dis Afr 16(1):107-113

Mar 1968 41.8 B872

Cattle, Fascioliasis, Liver, Research, Slaughter-houses, Trematoda.

20811-68

DIAGNOSIS OF TREMATODIASIS IN RUMINANTS (FASCIOLIASIS, PARAMPHISTOMIA-SIS, DICROCELIASIS) BY MODIFIED FLOTA-TIONSEDIMENTATION METHODS AFTER BREZA (1963). (CZ)

M Breza V Takacs Veterinarstvi 18(8):346-349

1968 41.8 V6439

Amphistomiasis. Diagnosis. Dicroceliasis. Fascioliasis, Flotation, Ruminants, Sedimentation, Trematodiasis.

FIELD TRIALS IN HORSES WITH PYRANTEL TARTRATE.

R L Cornwell R M Jones Vet Rec 82(21):586-587 25 May 1968 41.8 V641

Anthelmintics, Ascaris, Drug therapy, Feces, Horses, Larvae, Parascaris equorum, Parasitism, Pyrantel tartrate, Strongyloides, Toxicology.

EFFECTS OF AN ULTRAVIOLET RADIATION ON INVASIONS OF ASCARIDIA GALLI. (CZ) P Dubinsku

Biologia (bratislava) 23(2):138-142 REF 1968 442.8 B5265

Ascaridae, Nematodes, Poultry, Therapeutics, Ultraviolet rays. Czech, russian and german abstracts

20814-68

RECOVERY OF PORCINE LIVER FROM DAMAGE CAUSED BY MIGRATING X-IR-RADIATED AND NONIRRADIATED LARVAE OF ASCARIS SUUM.

D L Ferguson C A Mebus M J Twiehaus

Amer J Vet Res 29(2):233-243

Feb 1968 41.8 AM3A

Ascaris lumbricoides suum, Dosage, Larvae, Liver, Nematodes, Swine, X-rays, Zoogeography.

EXPERIMENTS ON THE EFFECTIVENESS OF SPIRALIS. (SP) TRICHINELLA

A M Fernandez M Cordero del Campillo B A Gancedo

Rev Iberica Parasitol 27(3-4):173-187 REF Jul 1967 436.8 R32

Animal diseases, Chemical control (nematodes), Dichlorosulfamoyl)benzoic acid, p-(N,N-, Hamsters, Rats, Therapeutics, Trichinella spiralis. German, English and Spanish summaries

Abstract

20816-68

STUDIES ON THE SERUM PROTEINS IN EX-PERIMENTAL FASCIOLIASIS OF SHEEP.

S Furmaga J L Gundlach

Acta Parasitol Polon 15(1-21):93-102 REF

30 Nov 1967 436.8 AC8

Biochemistry, Blood analysis, Fascioliasis, Proteins, Serodiagnosis, Sheep.

English and polish abstracts.

20817-68

REGULATION OF FEEDING IN LEECHES.

R Galun S H Kindler

Experientia 24(11):1140

15 Nov 1968 475 EX7

Animal physiology, Blood, Chemoreceptors, Feeding, Hirudinea. French abstract

THE POSSIBLE ROLE OF THE ALGAE CLADOPHORA GLOMERATA ON THE BIOLOGICAL CONTROL OF BIOMPHALARIA BOISSYI, THE SNAIL SCHISTOSOMA MANSONI. HOST

M M Ishac H M Bishai

Hydrobiologia 32(1-2):168-180 REF

19 Aug 1968 410 H992

Algae, Biological control (pests), Schistosoma, Snails, Trematoda. English abstract

STUDIES ON AVIAN MALARIA IN JAPAN. 11. PATHOGENICITY OF THE PARASITE. (JAP)

K Itagaki M Tsubokura

Jap J Vet Sci 30(2):73-80 REF

Apr 1968 41.8 J27

Livestock diseases, Malaria, Parasitism, Poultry, Research. English summary

20820-68

STUDIES ON THE INTERRELATIONSHIPS BETWEEN VITAMIN A INTAKE AND DIC-TYOCAULUS VIVIPARUS INFECTION IN

J B W Jackman H C Gibbs Can Vet J 9(9):199-209 REF

Sep 1968 41.8 R3224

Cattle, Dictyocaulus viviparus, Food additives, Nematodes, Research, Tables (data), Vitamin a. French summary

NOTES ON A COLLECTION OF NEMATODE PARASITES OF LIVESTOCK OF KARACHI.

M 1 Khan

Agr Pakistan 18(2):269-276

Jun 1967 22 AG832

Catalogs, Livestock, Nematodiasis.

HISTOCHEMICAL **STUDIES** CHOLINESTERASE ACTIVITY IN PARAM-PHISTOMUM CERVI AND DIPLODISCUS SUB-CLAVATUS.

N Kralj A Lui

Vet Arh 37(9-10):257-261

1967 41.8 V6416

Cholinesterases, Enzymes, Histochemistry, Param-phistomum cervi, Trematoda. French and yugoslavian abstracts

20823-68

ACTIVITY OF DL-TETRAMISOLE AGAINST GASTROINTESTINAL HELMINTHS IN A CON-TROLLED TEST IN LAMBS.

E T Lyons J H Drudge S C Tolliver Amer J Vet Res 29(11):2157-2162 REF

Nov 1968 41.8 AM3A

Biochemistry, Drug therapy, Gastrointestinal system, Helminthiasis, Lambs, medicine, Tables (data), Tetramisole. Lambs, Preventive

THE OCCURRENCE OF LEUCOCYTOZOON CAULLERYI IN DOMESTIC FOWLS IN THE PHILIPPINES.

M F Manuel

Vet Rec 81(10):236-237 02 Sep 1968 41.8 V641

Chickens, Leucocytozoon caulleryi, Parasitism.

20825-68

FIRST PARASITIC ECDYSIS OF HAEMONCHUS CONTORTUS IN VITRO WITHOUT STIMULATION BY CARBON DIOX-IDE.

G Meza-Ruiz N E Alger Exp Parasitol 22(2):219-222

Apr 1968 436.8 EX7

Animal physiology, Biochemistry, Carbon dioxide, Haemonchus contortus.

Abstract

20826-68

ESCHERICHIA COLI INFECTIONS IN EARLY WEANED PIGS.

O P Miniats C K Roe

Can Vet J 9(9):210-217 REF

Sep 1968 41.8 R3224

Baby pigs, Culture media, Diarrhea, Escherichia coli, Feed, Research, Weaning. French summary

A SURVEY OF DISEASES FOUND IN DOGS IN KENYA.

M Murray

Bull Epizoot Dis Afr 16(1):121-127 REF

Mar 1968 41.8 B872

Autopsies, Dogs, Helminthiasis, Infectious diseases, Mortality.

20828-68

EXPERIMENTAL STUDIES ON TOXASCARIS LEONINA. V. EXPERIMENTAL INFECTION OF DOGS AND CATS WITH EGGS OF CANINE, FELINE AND FELIDAE STRAINS. S Okoshi M Usui

Jap J Vet Sci 30(2):81-91

Apr 1968 41.8 J27

Animal diseases, Cats, Dogs, Parasitism, Research, Toxascaris leonina. Japanese summary

20829-68

ENZOOTIC OF BOVINE RINGWORM CAUSED TRICHOPHYTON VERRUCOSUM IN JAPAN.

S Okoshi A Hasegawa

Jap J Vet Sci 30(2):93-96 REF

Apr 1968 41.8 J27

Livestock diseases, Trichophyton verrucosum. Japanese summary

20830-68

EXPERIMENTAL STUDIES ON CYLOSTOMIASIS IN CATS. VII. EXPERIMEN-TAL INFECTION AND VISCERAL MIGRATION OF LARVAE OF ANCYLOSTOMA TU-BAEFORME AND ANCYLOSTOMA CANINUM IN MICE AND CHICKENS.

S Okoshi Y Murata

Jap J Vet Sci 30(2):97-107 REF

Apr 1968 41.8 J27

Ancylostoma caninum, Ancylostoma tubaeforme, Ancylostomiasis, Cats, Chickens, Larvae, Mice, Research, Viscera. Japanese summary

20831-68

THE PROCESS OF THE PENETRATION OF IN-VASIVE LARVAE OF BUNDSTOMUM PHLEBOTOMUM (RAILLIET, 1900) INTO THE HOST BODY. (CZ)

J Pacenovsky M Brezanska

Czech Min Zemed Les Hospod Ustav Vedeckotech Inform Vet Med 13(41):377-383

1968 41.9 C333

Ancylostomatidae, Cattle, Histology, Larvae, Nematodes. English, czech, russian and german abstracts

20832-68

HOOKWORMS AND OTHER HELMINTHS IN DOGS, CATS AND MAN IN SURINAM.

B H Rep

Trop Geogr Med 20(3):262-270 MAP Sep 1968 448.8 D65

Ancylostoma ceylanicum, Ascaris, Cats, Cestoda, Dogs, Filariasis, Helminthiasis, Human diseases, Parasitism, Tables (data), Zoogeography. French summary

20833-68

PARASITIC NEMATODES OF THE ALIMENTARY TRACT OF HORSES IN THE LUBLIN PALATINATE.

K Sobieszewski

Acta Parasitol Polon 15(1-21):103-108

30 Nov 1967 436.8 AC8

Autopsies, Gastrointestinal system, Horses, Nematodes, Poland.

Polish and english abstracts.

20834-68

STUDIES ON IMMUNITY OF CALVES TO DICTYOCAULUS VIVIPARUS REINFECTION. II. RELATIONSHIP BETWEEN THE AGE OF CALVES AND THE DOSE OF LARVAE CAUSING CLINICAL AND LETHAL COURSE OF DICTYOCAUTICAL CANDING TO THE TOTAL COURSE OF DICTYOCAUTICAL CANDING TO THE TOTAL COURSE OF DICTYOCAUTICAL CANDING TO THE TOTAL COURSE OF THE TOTAL CANDING TO THE TOTAL CAN DICTYOCAULOSIS.

M Swietlikowski Acta Parasitol Polon 15(1-21):151-156 REF

30 Nov 1967 436.8 AC8

Aging, Calves, Dictyocaulus viviparus, Immunity,

English and polish abstracts.

STUDIES ON IMMUNITY OF CALVES TO DIC-TYOCAULUS VIVIPARUS REINFECTION. I. IMMUNIZATION WITH SINGLE AND DOUBLE DOSES OF NORMAL OR IRRADIATED LAR-VAE.

M Swietlikowski

Acta Parasitol Polon 15(1-21):141-149 REF 30 Nov 1967 436.8 AC8

Calves, Dictyocaulus viviparus, Immunity, Larvae, X-rays.

English and polish abstracts.

20836-68

RELATIONSHIP BETWEEN INFECTING DOSE, MUSCLE PARASITISM, AND ANTIBODY RESPONSE IN EXPERIMENTAL TRICHINOSIS IN RABBITS.

C E Tanner

J Parasitol 54(1):98-107

Feb 1968 448.8 J824

Antibodies, Electrophoresis, Immunology, Parasitism, Rabbits, Research, Trichinella spiralis, Trichinosis.

20837-68

ANTHELMINTIC TREATMENT FOR CAPIL-LARIA FELISCATI IN THE CAT.

A H Waddell

Vet Rec 82(21):598 REF

25 May 1968 41.8 V641

Anthelmintics, Bladder, Capillaria feliscati, Cats, Chemical control (nematodes), Drug therapy, Methyridinc, Parasitology.

HEMATOLOGY, GROWTH AND EFFICIENCY OF LAMBS AS INFLUENCED BY H. CONTOR-TUS INFECTION. (ABSTRACT).

L L Wilson T L Merritt M C Rugh C E

Thompson H Rothenbacher

J Anim Sci 27(5):1513

Sep 1968 49 J82

Animal physiology, Haemonchus contortus, Hematology, Lambs, Parasitism. Abstract of American Society of Animal Science meeting

THE MORPHOLOGY OF CHANGES CAUSED BY FASCIOLOIDES MAGNA BASSI 1875 IN CATTLE. (CZ)

Z Zahor C Proks J Vitovec

Czech Min Zemed Les Hospod Ustav Vedeckotech Inform Vet Med 13(41):369-375 REF 1968 41.9 C333

Animal morphology, Animal physiology, Cattle, Fascioloides magna, Histology, Trematoda. English, czech, russian and german abstracts

20840-68

EXPERIMENTAL STUDIES OF THE RELA-TIONSHIP BETWEEN THE SOMATIC PRO-PERTY AND THE PHYSIOLOGICAL ACTIVI-TY OF THE NEMATODE ASCARIDIA GALLI. (GE)

1 Zmoray P Lestan

Biologia (bratislava) 23(2):103-112 REF

1968 442.8 B5265

Animal physiology, Ascaridae, Nematodes. Russian, szech and german abstracts

A COMPARATIVE ANALYSIS OF THE LO-CALIZATION OF CHOLINESTERASE IN SOME PARASTTIC NEMATODES. I, STRONGYLUS EDENTATUS, S. VULGARIS, METASTRONGY-LUS ELONGATUS AND CHOEROSTRONGY-LUS PUDENDOTECTUS.

D Znidaric A Lui Vet Arh 37(9-10):262-267

1967 41.8 V6416

Animal physiology, Biochemistry, Cholinesterases, Metastrongylus, Nematodes, Strongyloides. French and yugoslavian abstracts

COMMODITY PROTECTION

FOREIGN OUARANTINE NOTICES. FRUITS AND VEGETABLES. ADMINISTRATIVE IN-STRUCTIONS PRESCRIBING METHOD OF TREATMENT OF ORANGES, GRAPEFRUIT, CITRONS (CITRUS MEDICA) AND TAN-GERINES FOR MEDITERRANEAN FRUIT FLY. Fed Regist 33(80):6228-6229

24 Apr 1968 L1.451

Ceratitis capitata, Citron, Ethylene dibromide, Fumigation, Grapefruit, Import control, Mandarin oranges, Oranges.

FOREIGN QUARANTINE NOTICES. CITRUS FRUITS.

Fed Regist 32(218):15577 09 Nov 1967 L1.451

Import control, Oranges, Quarantine.

STORAGE DISEASES

20844-68

RADIATION-HEAT INTERACTION IN POSTHARVEST TREATMENT OF STRAWBER-RY FRUITS. (ABSTRACT).

N F Sommer R J Fortlage Buckley F G Mitchell Phytopathology 57(8):832

Aug 1967 464.8 P56

Botrytis cinerea, Gamma rays, Gray mold (strawberries), Heat, Storage diseases, Strawberries.

ARTHROPODS

20845-68

GUIDE LINES FOR THE TESTING OF SPRAY COMPOUNDS AND AUTOMATIC SPRAYS AGAINST CLOTHES MOTHS. (GE)

W Frey

Berlin Biol Bundesanst Land-forstwirtsch Mitt (3):1-18

1968 410.9 G31M

Chemical control (insects), Insecticidal aerosols, Methodology, Moths, Tineidae, Tineola bisselliella.

MICROBIAL CONTAMINATION

20846-68

PRESENCE OF SALMONELLA IN GROUND BEEF MEAT FROM A BRUCELLOSIS REGION. (FR)

L Ficvez A Granville P Ghenne P Detroy C Nzuzi Ann Med Vet 111(4):210-214

Jun 1967 41.8 AN78

Brucellosis, Meat, Salmonella typhimurium. English and French summaries

Abstract

ENVIRONMENTAL CONTAMINATION

A BIOASSAY TECHNIQUE TO DETERMINE AMOUNT OF TERMITE CONTROL INSECTI-CIDE IN SOILS. (ABSTRACTED FROM PEST-CONTROL 34(1), 32-38, 1966).

V R Coleman

Pesticide Progr 5(5):160-161 Sep 1967 79.8 P434

Aldrin, Biological assay, Chlordane, Chlorinated hydrocarbons, Dieldrin, Drosophila melanogaster, Heptachlor, Insecticide residues, Pesticide analysis, Soils, Termites.

CONTROLLING POLLUTION. THE PESTICIDE INDUSTRY TAKES ACTION. (42

Farm Chem 130(11):38,40,112

Nov 1967 57.8 AM3

Air pollution, Industry, Pesticides, Water pollution, Water treatment.

20849-68

MICROBIOLOGICAL DECOMPOSITION OF ATRAZINE AND DIURON IN SOIL. (AB-STRACT).

L L McCormick

Pesticide Progr 5(3):75

May 1967 79.8 P434

Atrazine, Decomposition, Diuron, Glucose, Herbicides, Microbiology, Soils, Temperature. This was the author's abstract taken from Diss. Abstr. 26: 4-

20850-68

SOME EFFECTS ON MICROCRUSTACEANS OF COASTAL IMPOUNDMENTS FOR AEDES SOLLICITANS CONTROL.

F. Ruber

N J Mosquito Exterm Ass Proc 54:139-144

Mar 1967 420 N46

Aedes sollicitans, Insect control, Marshes, Pesticide residues, Pesticides.

20851-68

WATER PESTICIDES. 2.

Nat Center Urban Ind Health Study 31,81P REF 1968 TOD427.0P380N3

Aldrin, Chlorinated hydrocarbons, Dieldrin, DDT, Endrin, Heptachlor, Insecticides, Lindane, Metabolites, Methoxychlor, Pesticide analysis, Water pollution. Public Health Service publication 999-UIH-10. environmental health series.

RESIDUES

20852-68

PROCEDURES FOR EXTRACTING RESIDUES PHOSPHORUS INSECTICIDES AND ABOLITES FROM FIELD-TREATED METABOLITES CROPS.

M C Bowman M Beroza D B Leuck

J Agr Food Chem 16(5):796-807

Sep 1968 381 J8223

Biochemistry, Chromatography, Crops, Insecticide residucs, Insecticides, Metabolites, Methodology, Phosphorus, Plant extracts, Research, Tables

20853-68

NEW SECTION FOR LONDON RESEARCH IN-STITUTE.

Pesticide Progr 5(3):71-72

May 1967 79.8 P434

Insecticide residues, Insecticides, Soil microbiology, Soils.

20854-68

LINDANE RESIDUES ON PASTURE AND IN THE FAT OF SHEEP GRAZING PASTURE TREATED WITH LINDANE PRILLS.

J N Collett D L Harrison

New Zeal J Agr Res 11(3):589-600 Aug 1968 23 N4892

Grazing, Insecticide residues, Lindane, Pasture management, Sheep. English abstract

20855-68

CHEMICAL WEED KILLERS. THE RESIDUE PROBLEM.

T I Cox

New Zeal J Agr 117(2):64-65,67,69

Aug 1968 23 N48J

Chemical control (weeds), Crop rotation, Herbicides, Plant residues, Soil contamination. A discussion of the problems of residual contamination from herbicide use for weed-free environment emphasizes careful use and conscientious evalua-

20856-68

AMINE DERIVATIVES FOR RESIDUE ANALYSIS. PESTICIDE

D G Crosby J B Bowers

J Agr Food Chem 16(5):839-843 REF

Sep 1968 381 J8223

Amines, Assay, Chromatography, Hydrolysis, Pesticide residues, Rescarch, Sugar beets.

DIAZINON RESIDUES IN THE MILK OF COWS AND FAT OF SHEEP AFTER FEEDING ON PASTURE TREATED WITH DIAZINON. (AB-

20858-68

STRACTED FROM NEW ZEALAND JOUR. AGRIC. RES.9(1):1-7 1966.

D L Harrison B A Hastie Pesticide Progr 5(5):162 Sep 1967 79.8 P434

Cattle, Diazinon, Feeding, Insecticide residues, Milk, Pastures, Sheep.

20858-68

DEATH OF A DOG UNDER SEDATION.

V A Harrison Vet Rec 82(21):608

25 May 1968 41.8 V641

Anesthetics, Atropine, Death, Dogs, Hypnorm, Nalorphine hydrobromide.

20859-68

PESTICIDE MOBILITY: DETERMINATION BY SOIL THIN LAYER CHROMATOGRAPHY.

C S Helling B C Turner Science 162(3853):562-563 REF

01 Nov 1968 470 SCI2

Biochemistry, Chromatography, Environment, Pesticide application, Pesticide residues, Pesticides, Research, Soil adsorption, Soil series.

ELIMINATION OF DIELDRIN FROM BEEF CATTLE.

R Hironaka

Can Vet J 9(8):167-169

Aug 1968 41.8 R3224

Biochemistry, Cattle, Dieldrin, Feed, Insecticide residues, Laboratory animals, Research, Vitamins. French summary.

INSECTICIDAL LABORATORY STUDIES ON THE SISAL WEEVIL (SCYPHOPHORUS INTERSTITIALIS GYLL, CURCULIONIDAE, COLEOPTERA). IV. PERSISTENCE OF ALDRIN AND DIELDRIN IN THE SOIL.

M E A Materu

Arusha Trop Pesticides Res Inst Misc Rep 566:13

Jun 1966 423.92 G7922

Aldrin, Biochemistry, Chemical control (insects), Dieldrin, Insecticide residues, Insecticides, Research, Scyphophorus interstitialis, Soils.

EFFECTS OF INSECTICIDE LOCATION ON PHORATE ABSORPTION BY BEAN PLANTS FROM THREE SOILS.

R S Patterson W A Rawlins

Fla Entomol 51(4):241-245 REF

Dec 1968 420 F662

Beans, Insecticide residues, Phorate, Soil organic matter. English abstract

DETERMINATION OF INSECTICIDE RESIDUE IN ANIMAL AND PLANT TISSUES. V. A
DEVICE OF PREPARING THE SPECIFIC DETECTOR OF GAS CHROMATOGRAPHY
HIGHLY SENSITIVE TO OR-GANOPHOSPHORUS INSECTICIDES.

Y Sato J Miyamoto S Suzuki

Botyu-kagaku 33(1):8-12

Feb 1968 421 B65

Animals, Chemicals, Chromatography, Insecticide residues, Insecticides, Organic compounds, Phosphorus, Plants, Tissues. Japanese summary

20864-68

TRICHLORFON RESIDUES ON PASTURE.

S R B Solly

New Zeal J Agr Res 11(3):625-630

Aug 1968 23 N4892

Insecticide residues, Pastures, Trichlorfon. English abstract

DANGER TO THE COMMUNITY THROUGH USE OF CHEMICAL PLANT PRESERVATIVES.

K Warmbrunn

Gesunde Pflanzen 20(1):4-8

Jan 1968 464.8 G33

Chemicals, Food processing, Pesticide residues, Plants, Public health.

TOXICOLOGY

20866-68

NOTES OF TOXICOLOGY-SORGHUM.

F Bottarelli

Veterinaria (milano) 17(3):189-195 REF

May 1968 41.8 V6499

Reports, Sorghum, Sorghum halepense, Toxicolo-

PROTECTION IS VITAL WHEN USING DAN-GEROUS SPRAYS IN GLASSHOUSES.

W Brandenburg

New Zeal J Agr 116 (4):22-25

Apr 1968 23 N48J

Greenhouses, Poisoning, Protective clothing, Spraying, Toxicology.

CARCINOGENIC ACTION OF GROUNDNUT MEAL CONTAINING AFLATOXIN IN RATS.

W H Butler J M Barnes

Food Cosmet Toxicol 6(2):135-141 REF

Aug 1968 391.8 F73

Aflatoxin, Carcinogens, Diet, Laboratories, Neoplasms, Peanuts, Rats, Research. German and French summary

20869-68

HANDLING ANIMAL POISONING COM-PLAINTS.

W D Ditman

Northeast Weed Contr Conf Proc 22:139-140 03 Jan 1968 79.9 N814

Animals, Pesticides, Poisoning.

20870-68

INFLUENCE OF INDUCTION OF HEPATIC MICROSOMAL ENZYMES BY PHENOBAR-BITAL ON TOXICITY OF ORGANIC PHOSPHATE INSECTICIDES.

K P DuBois F K Kinoshita

Soc Exp Biol Med Proc 129(3):699-702

Dec 1968 442.9 SO1

Animal physiology, Insecticides, Metabolism, Microsomes, Narcotics, Organophosphorus compounds, Toxicology. English abstract

PHARMACOLOGICAL PROPERTIES OF THE REGURGITATED CROP FLUID OF THE AFRICAN MIGRATORY LOCUST, LOCUSTA MIGRATORIA L..

M A Freeman

Compar Biochem Physiol 26(3):1041-1049 REF Sep 1968 444.8 C73

Animal diseases, Locusta migratoria, Proteinases, Salivary glands, Toxins.

20872-68

RESPIRATORY **EXPOSURE** TO OR-GANOPHOSPHORUS INSECTICIDES. (AB-STRACT).

W V Hartwell G R Hayes Pesticide Progr 5(3):73

May 1967 79.8 P434

Cholinesterases, Humans, Insecticides, Parathion, Respiration, Toxicology. This was the author's abstract from Arch. Environ. Health 11: 564-568.

20873-68

ORAL TOXICITY OF LINURON (3-(3,4-DICHLOROPHENYL)-1-METHOXY1-METHYLUREA) IN RATS AND DOGS. H C Hodge W L Downs D W Smith E A Maynard J W Clayton Food Cosmet Toxicol 6(2):171-183

Aug 1968 391.8 F73

Diet, Dogs, Feeding, Linuron, Physiology, Pigments, Rats, Research, Toxicology. German and French summary

SERUM ELECTROLYTE, ACID-BASE BALANCE, AND ENZYME CHANGES IN ACUTE HALOGETON GLOMERATUS POISON-BALANCE, ING IN SHEEP.

L. F. James

Can J Comp Med Vet Sci 32(4):539-543 REF

Oct 1968 41.8 C162

Biochemistry, Electrolytes, Enzymes, Feeding, Measurement, Metabolism, Serum, Sheep, Tissues, Toxicology.

20875-68

INSECTICIDE POISONING: DANGER AREA FOR THE PRACTITIONER.

D W Jolly

Mod Vet Pract 49(9):48-50

Sep 1968 41.8 N812

Accident prevention, Autopsies, Insecticides, Pesticides, Poisoning, Research, Toxicology.

20876-68

AFLATOXIN FORMATION BY ASPERGILLUS FLAVUS AND ASPERGILLUS PARASITICUS IN A CASEIN SUBSTRATE AT DIFFERENT PH VALUES.

J L Lie E H Marth

J Dairy Sci 51(11):1743-1747

Nov 1968 44.8 1822

Acids, Aflatoxin, Aspergillus flavus, Aspergillus parasiticus, Casein, Hydrogen-ion concentration, Skim milk, Toxicology.

20877-68

RESIDUES AND SOME EFFECTS CHLORINATED HYDROCARBON INSECTI-CIDES IN BIOLOGICAL MATERIAL. (AB-STRACT).

E H Marth

Pesticide Progr 5(3):74

May 1967 79.8 P434

Animals, Biological transport, Chlorinated hydrocarbons, Fish, Humans, Insecticide residues, Insecticides, Plants, Soils, Toxicology, Wildlife. Abstract from Residue Reviews 9:1-89, 1965.

THE CARCINOGENICITY OF INSECTICIDE-SPRAYED TOBACCO IN MICE, (ABSTRACT).

D N Noakes

Pesticide Progr 5(3):76

May 1967 79.8 P434

Carcinogens, Dimethoate, Insecticide application. Insecticide residues, Mice, Neoplasms, Skin, Spraying, Tobacco, Toxicology. Abstract by author taken from Fd. Cosmet. Toxicol. 3 (2): 305-310. 1965.

20879-68

EFFECTS OF ENDRIN ON TELENCEPHALIC FUNCTION IN THE PIGEON. (ABSTRACTED FROM TOXICOL. APPL. PHARMACOL. 9(1):75-83. 1966).

A M Revzin

Pesticide Progr 5(5):165

Sep 1967 79.8 P434

Brain, Chlorinated hydrocarbons, Endrin, Pigeons, Toxicity, Vision.

Abstract

20880-68

MORPHOLOGICAL CONVERSION OF CELLS IN VITRO BY N-NITROSOMETHYLUREA.

F K Sanders B O Burford

Nature 213(5082):1171-1173 REF

25 Mar 1967 472 N21

Animal morphology, Carcinogens, Culture media, Enzymes, Hamsters, Infectious diseases, Lungs, Methyl-1-nitrosourea, 1-. Article suggests that Nnitrosomethylurea may become an active carcinogen after having been activated by an enzyme. possibly present in mammalian liver and Drosophila.

20881-68

DRUG EFFECTS ON DIELDRIN STORAGE IN RAT TISSUE.

J C Street M Wong A D Blau Pesticide Progr 5(5):165 Sep 1967 79.8 P434

Dieldrin, Drugs, Insecticide residues, Rats.

20882-68

POISONING WITH ORGANOPHOSPHORUS IN-SECTICIDES. (ABSTRACT).

J R Taylor W Kalou E A Schlers

Pesticide Progr 5(3):80

May 1967 79.8 P434

Humans, Insecticides, Organophosphorus compounds, Toxicology, This was the author's abstract from the Canada. Med. Ass. jour. 93: 966-970, 1965.

20883-68

VALUE OF ED50 TESTING IN ASSESSING HAZARDS OF ACUTE POISONING BY CARBAMATES AND ORGANOPHOSPHATES. (ABSTRACT).

M Vandckar E Reincr B Svetlicic T Fajdetic Pesticide Progr 5(3):81

May 1967 79.8 P434

Carbamates, Cholinesterases, Dosage, Humans, Kinetics, Lethal factor, Organophosphorus compounds, Toxicology. This was the author's abstract taken from British Jour. indust. Medicine 22 (4): 317-320. 1965.

20884-68

EVALUATION OF LIVER FUNCTION TESTS AND LIVER BIOPSY IN EXPERIMENTAL CARBON TETRACHLORIDE INTOXICATION AND EXTRAHEPATIC BILE DUCT OBSTRUCTION IN THE DOG.

JF V Vleet J O Alberts

Amer J Vet Res 29(11):2119-2131 REF

Nov 1968 41.8 AM3A

Animal physiology, Bile ducts, Biochemistry, Carbon tetrachloride, Dogs, Liver, Poisoning, Research, Tissues.

20885-68

FOOD ADDITIVES AND CHEMICAL CARCINOGENS: ON THE CONCEPT OF ZERO TOLERANCE.

J H Weisburger E K Weisburger Food Cosmet Toxicol 6(2):235-242 REF Aug 1968 391.8 F73

Carcinogens, Chemicals, Drugs, Food additives, Health, Nutrition, Research.

20886-68

SITE OF ACTION OF AFLATOXIN ON HUMAN LIVER CELLS IN CULTURE.

A J Zuckerman K R Rees D Inman V Petts Nature 214(5090):814-815

20 May 1967 472 N21

Aflatoxin, Aspergillus flavus, Autoradiography, Cells, Culture media, Humans, Liver, Metabolism, Tissuc culture.

20887-68

INFLUENCE OF GIBBERELLIN AND RIBOFLAVIN ON CERTAIN ASPECTS OF ENERGY METABOLISM IN PLANTS. (RUS)

V 1 Artamonov

Soviet Plant Physiol 14(4):633-635 REF Jul 1967 450 F580AE

Corn, Gibberellins, Plant metabolism, Riboflavin.

20888-68

THE INFLUENCE OF GROWTH REGULATORS ON PROTEIN AND ENZYME SPECTRA OF EXPLANTS FROM ROOTS OF CICHORIUM INTYBUS CULTURED IN VITRO.

J Besemer

Planta 82(3):211-222 REF

04 Sep 1968 450 P693

Chicory, Compositae, Enzymes, Gibberellic acid, Indoleacetic acid, Kinetin, Plant metabolism, Plant regulators, Proteins, Roots. English abstract

20889-68

UPTAKE AND TRANSPORT OF SYSTEMIC FUNGICIDES AND BACTERICIDES.

P W Brian

Agrochimica 11(3):203-228 REF

Apr 1968 385 AG84

Absorption, Antibiotics, Bactericides, Biochemistry, Fungicides, Griscofulvin, Ions, Minerals, Plant translocation, Roots, Streptomycin, Streptothricin, Water. French summary

20890-68

RESEARCH AND DETERMINATION OF DELL-'O,O-DIMETIL-S-(4,6-DIAMMINO-S-TRIAZINIL)-DITIOFOSFATO (MENAZON) NELL'OLIO DI OLIVA. (IT)

l Camoni C D'Antonio N Gandolfo V Leoni G C Ramelli

Agrochimica 11(3):229-236

Apr 1968 385 AG84

Chromatography, Extracts, Insecticide residues, Insecticides, Menazon, Metabolites, Methodology, Research. English summary

20891-68

GIBBERELLIC ACID-PROMOTED LIGNIFICA-TION AND PHENYLALANINE AMMONIA-LYASE ACTIVITY IN A DWARF PEA (PISUM SATIVUM).

C K C Cheng H V Marsh

Plant Physiol 43(11):1755-1759 REF

Nov 1968 450 P692

Gibberellic acid, Lignification, Peas, Plant biochemistry, Plant physiology. English abstract

20892-6

CHEMICAL THINNING OF PLUMS AND PEACHES.

J Cripps K T Whitely

West Aust J Agr (SER.4)9(7):30 -304

Jul 1968 23 W520J

Biochemistry, Crop yields, Dinitrobutylphenol, Methodology, Peaches, Plums, Thinning (fruit), Thinning sprays.

20893-68

EFFECTS OF KINETIN, IAA, AND GIBBERELLIN ON ETHYLENE PRODUCTION, AND THEIR INTERACTIONS IN GROWTH OF SEEDLINGS.

Y Fuchs M Lieberman

Plant Physiol 43(12):2029-2036 REF

Dec 1968 450 P692

Ethylene, Gibberellins, Kinetin, Plant hormones, Plant physiology, Seedlings.

20894-68

ISOLATION OF THE METHYL ESTER OF CHLORO-3-INDOLYLACETIC ACID FROM THE IMMATURE SEEDS OF THE PEA, PISUM SATIVUM L. (FR)

J C Gandar C Nitsch

Acad Sci Compt Rend Ser D Sci Nat 265(23):1795-1798

06 Dec 1967 505 P21

Acetic acid compounds, Esters, Peas, Plant biochemistry, Plant hormones, Plant physiology.

20895-68

CONTROL OF SENESCENCE IN RUMEX LEAF DISCS BY GIBBERELLIC ACID.

J J Goldthwaite W M Laetsch
Plant Physiol 43(11):1855-1858 REF

Nov 1968 450 P692

Gibberellic acid, Plant physiology, Plant senescence, Rumex. English abstract

20896-6

THE INHIBITION OF PHOTOREACTIONS OF CHLOROPLASTS BY IOXYNIL,.

Z Gromet-Elhanan

Biochem Biophys Res Commun 30(1):28-31 REF 11 Jan 1968 442.8 B5236

Biochemistry, Chloroplasts, loxynil, Lettuce, Photosynthesis, Plant physiology, Research.

20897-68

FATTY ACID COMPOSITION OF EXTRACT FROM PYRETHRUM FLOWERS (CHRYSANTHEMUM CINERARIAEFOLIUM).

S W Head

J Agr Food Chem 16(5):762-765 REF

Sep 1968 381 J8223

Acids, Biochemistry, Chloroform, Chromatography, Chrysanthemum cinerariaefolium, Fatty acids, Insecticides, Plant extracts, Plant translocation, Research.

20898-68

FATTY ACIDS IN LOUISIANA RICE FIELDS.

J P Hollis R Rodriguez-Kabana

Phytopathology 57(8):841-847 REF Aug 1967 464.8 P56

Acetic acid, Butyric acid, Fatty acids, Plant physiology, Propionic acid, Ricc, Soil bacteria, Soil moisture, Soils.

Abstract: Fatty acids occurred in statistically significant fixed ratios in order of concentration acetic greater than propionic greater than n-butyric in both soil and flood water, indicating a soil origin for the acids in flood water. Comparisons with relevant bioassay data indicated that any effects of total acids on root growth of rice and nutrient uptake will depend primarily on the concentration of acetic acid. There is no experimental proof that fatty acids cause a toxicant disease in rice.

20899-68

ANALYSIS OF THE EFFECT OF CHLORAMPHENICOL ON CORN-ROOT GROWTH.

V B Ivanov N V Obrucheva T K Litinskaya Fiziol Rast 14(5, SEP-OCT):661-669

Oct 1967 450 F58

Chloramphenicol, Corn, Plant physiology. Russian journal-vol. 14(5):785-795, Sep.-Oct. 1967

20900-68

EFFECT OF CHLORAMPHENICOL ON PROTEIN SYNTHESIS IN LEAF DISCS.

O N Kulaeva N L Klyachko

Fiziol Rast 14(5, SEP-OCT):778-784 REF Oct 1967 450 F58

Chloramphenicol, Plant metabolism,

physiology, Protein synthesis, Tobacco. Russian journal- vol. 14(5):926-929, Sep.-Oct. 1967

20901-68

SENSITIVITY OF RHIZOPUS STOLONIFER TO CHILLING.

T T Matsumoto N F Sommer Phytopathology 57(8)0:81-884

Aug 1967 464.8 P56

Cold, Fungus diseases (plants), Rhizopus, Rhizopus stolonifer, Spore germination. R. arrhizus and R. oryzae sporangiospores appeared equally sensitive to chilling.

Abstract: Sporagiospores were inactivated by temperatures of 2.5C or below, providing germination had started. The length of the cold exposure period required to inactivate the spores decreased at lower temperatures.

20902-68

INFLUENCE OF CARBON SOURCE AND PH ON THE ACCUMULATION OF OXALIC ACID IN CULTURE FILTRATES OF SCLEROTIUM ROLFSII. (ABSTRACT).

D P Maxwell D F Bateman

Phytopathology 57(8):821

Aug 1967 464.8 P56

Carbon, Culture media, Fungus diseases (plants), Hydrogen-ion concentration, Oxalic acid, Plant biochemistry, Plant physiology, Sclerotium rolfsii.

20903-68

ALFALFA MOSAIC VIRUS: COMPARATIVE INVESTIGATION OF TOP COMPONENT A AND BOTTOM COMPONENT BY MEANS OF FINGERPRINTING AND IMMUNOLOGICAL TECHNIQUES.

J R Moed H Veldstra

Virology 36(3):459-466 REF

20904-68

Nov 1968 448.8 V81

Antigens, Centrifugation, Electrophoresis, Immunization, Mosaic (alfalfa), Research.

20904-68

STUDIES ON THE FIXATION AND DEVELOP-MENT OF CELLULAR TRANSFORMATION BY ROUS SARCOMA VIRUS.

Y Nakata J P Bader

Virology 36(3):401-410 REF

Nov 1968 448.8 V81

Cell division, Cells, Deoxyribonucleie acid, Irradiation, Research, Rous sarcoma, Thymidine.

20905-68

CONTENT OF NATURAL GIBBERELLINS IN VARIOUS ORGANS OF PLANTS IN CONNECTION WITH THEIR AGE.

V N Oozhnikova

Fiziol Rast 14(2, MAR-APR):312-313

Apr 1967 450 F58

Gibberellins, Plant physiology, Plant regulators, Plant senescence, Tobacco. Russian journal- vol. 14(2):366-367, Mar.-Apr. 1967

20906-68

EVALUATION OF VARIOUS MEDIA AND ANTIMICROBIAL AGENTS FOR ISOLATION OF FUSARIUM FROM SOIL.

G C Papavizas

Phytopathology 57(8):848-852 REF

Aug 1967 464.8 P56

Antibiotics, Culture media, Fungicides, Fusarium, Soil fungi, Soils.

Abstract: Of 18 media recommended for isolation and enumeration of Fusarium spp. from soil, peptone-pentaehloronitrobenzene (PCNB) and V-8 juice-dextrose-yeast extract agar (VDYA) were the most valuable with the soil dilution plate method. A modified peptone-PCNB medium is recommended for effective isolation and enumeration of Fusarium colonies.

20907-68

EFFECT OF LIGHT OF VARIOUS SPECTRAL COMPOSITIONS ON SOME ASPECTS OF AUXIN METABOLISM IN CULTURES OF ISOLATED CARROT TISSUE. (RUS)

V S Polevaya

Soviet Plant Physiol 14(4):496-503 REF

Jul 1967 450 F580AE

Carrots, Indoleaeetie aeid, Light, Plant metabolism, Plant regulators.

20908-68

ISOLATION OF AN ADENOSINE-PEPTIDE NUCLEOTIDE FROM CHLAMYDOSPORES OF TILLETIA FOETIDA. (ABSTRACT).

P S Rao E D Hansing P Nordin

Phytopathology 57(8):827

Aug 1967 464.8 P56

Fungus diseases (plants), Nucleotides, Plant biochemistry, Stinking smut (wheat), Tilletia foetida, Wheat.

20909-68

APPLICATION OF ENZYME ACTIVITY TO THE MEASUREMENT OF FUNGAL GROWTH IN SOIL. (ABSTRACT).

R Rodriguez-Kabana E A Curl

Phytopathology 57(8):827

Aug 1967 464.8 P56

Enzymes, Plant physiology, Sclerotium rolfsii, Soils.

20910-68

GIBBERELLIN-LIKE SUBSTANCES FROM VEGETATIVE TISSUE OF A CONIFER, ARIZONA CYPRESS.

M Ruddat R P Pharis H Aoki A Crozier

Plant Physiol 43(12):2049-2053

Dec 1968 450 P692

Cupressus arizoniea, Gibberellins, Plant biochemistry. English abstraet

20911-68

ATRAZINE METABOLISM IN RESISTANT CORN AND SORGHUM.

R H Shimabukuro

Plant Physiol 43(12):1925-1930 REF

Dec 1968 450 P692

Atrazine, Corn, Metabolism, Plant biochemistry, Sorghum. English abstract

20912-68

EFFECTS OF MANGANESE AND IRON APPLICATION ON THEIR SOLUBILITY, ABSORPTION AND GROWTH OF OAT PLANTS.

M Singh A N Pathak

Agrochimica 12(4):382-388 REF

Jun 1968 385 AG84

Absorption, Biochemistry, Dosage, Hydrogen-ion eoneentration, Iron sulfates, Manganese, Oats, Oxidation-reduction potential, Plant physiology, Plant translocation, Research, Sodie soils, Spraying, French, German, Italian, and Spanish summaries.

20913-68

A SIMPLE METHOD FOR COMBUSTING TISSUES FOR CHLORINE-CI36 ANALYSIS. (ABSTRACTED FROM ANALYT. BIOCHEM. 17(1):24-37. 1966).

G N Smith

Pesticide Progr 5(5):165

Sep 1967 79.8 P434

Chlorine, Flammability, Isotopes, Nitrie aeid, Pesticide analysis, Sulfurie aeid.

20914-08

THE INABILITY OF GIBBERELLIC ACID TO STIMULATE AMYLASE ACTIVITY IN PEA COTYLEDONS.

J I Sprent

Planta 82(3):299-301

04 Sep 1968 450 P693

Amylases, Gibberellie aeid, Leguminosae, Peas, Plant growth inhibitors, Plant metabolism, Plant regulators. English abstract

20915-68

EFFECTS OF CYCOCEL AND B-NINE ON COLD HARDINESS OF WHEAT PLANTS.

F R Toman H L Mitchell

J Agr Food Chem 16(5):771-772

Sep 1968 381 J8223

Biochemistry, Cyeocel, Dimethylaminosuccinamic acid, N-, Measurement, Plant growth inhibitors, Plant physiology, Proteins, Tissues, Wheat.

20916-68

IDENTIFICATION OF PHYTOTOXINS OB-TAINED FROM PLANT RESIDUES DECOM-POSING IN SOIL. (ABSTRACT).

T A Toussoun A R Weinhold R G Linderman Z A Patrick

Phytopathology 57(8):834

Aug 1967 464.8 P56

Barley, Benzoic acid, Cotton, Cowpeas, Decomposition, Hydroeinnamie acid, Phenylacetic acid, Phenylbutyric acid, Plant biochemistry, Plant extracts, Plant residues, Roots, Seed germination, Soils, Soybeans, Tobacco, Toxins.

20917-6

THE EFFECT OF TEMPERATURE AND LIGHT ON SPORULATION OF HELMINTHOSPORIUM DICTYOIDES ON ARTIFICIAL MEDIA. (ABSTRACT).

J M Vargas R D Wileoxson

Phytopathology 57(8):834

Aug 1967 464.8 P56

Culture media, Fungus diseases (plants), Helminthosporium dietyoides, Leaf spot (Poa pratensis), Light, Poa pratensis, Root rot (turf), Spore germination, Temperature.

20918-68

GROWTH AND ANTHOLYANIN SYNTHESIS IN EXCISED SORGHUM INTERNODES. I. EFFECTS OF GROWTH REGULATING SUBSTANCES.

D Vince

Planta 82(3):261-279 REF

04 Sep 1968 450 P693

Anthocyanins, Chloroethyl)trimethylammonium chloride, (2-, D, 2,4-, Gibberellie aeid, Indoleaeetic acid, Light, Plant growth inhibitors, Plant physiolo-

gy, Plant regulators, Sorghum, Synthesis. English abstract

20919-68

GIBBERELLIC ACID AND THE LIGHT INHIBITION OF STEM ELONGATION.

D Vince

Planta 75(4):291-308 REF

03 Jun 1967 450 P693

Gibberellie acid, Light, Peas, Plant growth inhibitors, Plant regulators. English abstract

20920-68

THE MOVEMENT OF PLASMODIOPHORA BRASSICAE IN SOIL. (ABSTRACT).

A G Watson

Phytopathology 57(8):835

Aug 1967 464.8 P56

Fungus diseases (plants), Plasmodiophora brassicae, Root hairs, Soil fungi, Soils. From decayed clubbed roots.

20921-68

ULTRAVIOLET REPAIR CAPABILITIES OF AGROBACTERIUM TUMEFACIENS.

D M Yajko D R Tershak

Can J Microbiol 14(9):927-931

Sep 1968 448.8 C162

Agrobacterium tumefaciens, Dna viruses, Enzymes, Escherichia eoli, Research, Ultraviolet rays, Virus diseases (plants).

CHEMISTRY

20922-68

THE EXAMINATION OF TOXAPHENE BY GAS CHROMATOGRAPHY. (ABSTRACTED FROM BULL. ENVIRON. CONTAM. TOXICOL. 1(1):21-28, 1966.

A Bevenue H Beekman Pesticide Progr 5(5):159

Sep 1967 79.8 P434

Chromatography, Insecticide residues, Pesticide analysis, Toxaphene.

Abstract

20923-68

COMPARATIVE EFFECTS OF TRETAMINE, TEPA, APHOLATE, AND THEIR STRUCTURAL ANALOGS ON HUMAN CHROMOSOMES IN VITRO.

T S Chang W Klassen

Chromosoma 23(3):314-323 REF

1968 442.8 C46

Apholate, Biochemistry, Chromosomes, Culture media, Ethylenimine, Human diseases, Leukocytes, Tepa, Tretamine.

20924-68

STRUCTURE AND ACTIVITY IN MOLLUSCICIDES.

J P De Villiers M M Rossouw

Nature 213(5082):1208 25 Mar 1967 472 N21

Agricultural research, Molluscacides, Toxicology.

20925-68

STRUCTURE—ACTIVITY CORRELATION OF 1,2,4-TRIAZONEN, A NEW GROUP OF PHOTOSYNTHESIS INHIBITORS. (GE)
W Draber K Dickore K H Buehel A Trebst E

Pistorius

Naturwissenschaften 55(9):446

Sep 1968 474 N213

Amitrole, Chemical structure, Herbicides, Photosynthesis.

20926-68

RECOMMENDED ANALYTICAL METHODS FOR PESTICIDES. 37. METHODS OF ANALYSIS FOR METAM-SODIUM.

Fao Plant Protect Bull 14(6):145

Dec 1966 421 P692

Assay, Chemistry, Pesticides, Sodium N-methyl-dithiocarbamate.

20927-68

HERBICIDAL COMPOSITION AND METHOD. PATENT 3,393,991.

P C Hamm

Us Patent Office Offic Gaz 852(4):938 23 Jul 1968 156.65 OF2

Chloro-N-isopropylacetanilide, 2-, Herbicides, Patents, Triazines.

20928-68

THE COMPATIBILITY OF ARTHROPOD REPELLENTS WITH CERTAIN FUNCTIONAL FINISHES OF COTTON UNIFORM FABRIC. H Markarian J J Pratt J G DeMarco H K Gouck

J Econ Entomol 61(2):464-467

Apr 1968 421 J822

Armed forces, Arthropoda, Chemical warfare, Insect repellents, Textiles, Waterproofing, Army cotton cloth treated with water repellents, detoxicants for chemical warfare agents, and a fire retardant.

Abstract

20929-68

ATRAZINE AND THE NITRATE CONTENT OF CORN.

F Meggitt

Agron J 60(6):655-657 REF

Nov 1968 4 AM34P

Atrazine, Corn, Herbicide residues, Plant metabolism. English abstract

20930-68

A NEW ANTIFUNGAL SUBSTANCE PRODUCED BY MYROTHECIUM.

M Okuchi M Itoh Y Kaneko S Doi

Agr Biol Chem 32(3):394-395 Mar 1968 385 AG8B

Chemistry, Fermentation, Fungicides, Immunity, Molds, Myrothecium, Soil fungi.

20931-68

THE GAS CHROMATOGRAPHIC DETERMINATION OF ORGANOPHOSPHORUS PESTICIDES. II. A COMPARATIVE STUDY OF HYDROLYSIS RATES.

J H Ruzicka J Thomson B B Wheals J Chromatography 31(1):37-47 REF

Nov 1967 475 J824

Chromatography, Hydrolysis, Organophosphorus compounds, Pesticides.

Abstract

20932-68

DETECTION OF CHOLINESTERASE-INHIBIT-

ING PESTICIDES FOLLOWING SEPARATION ON THIN LAYER CHROMATOGRAMS,

W Winterlin G Walker H Frank

J Agr Food Chem 16(5):808-812 REF Sep 1968 381 J8223

Chromatography, Hydrolysis, Metabolites, Mcthodology, Organic compounds, Pesticides, Phosphorus, Research.

ENGINEERING

20933-68

PRELIMINARY TRIALS WITH UCAR MIST NOZZLE.

H H C Coutts

Arusha Trop Pesticides Res Inst Misc Rep 608:3 P. Mar 1967 423.92 G7922

Acrial spraying, Nozzles, Particle size determination, Research, Spraying equipment.

20934-68

AN EXPERIMENTAL REACTION-DRIVEN ROTARY SPRAYER FOR HELICOPTER OPERATION. (ABSTRACTED FROM TROPICAL PRODUCTS RESEARCH UNIT/PORTON DOWN REPORT NO.305).

D R Johnstone R F Hill Pesticide Progr 5(5):163 Sep 1967 79.8 P434

Aerial spraying, Helicopters

INDUSTRY

ECONOMICS

20935-68

COOPERATIVE ACTION PROGRAM II MERCER COUNTY, NEW JERSEY.

J A Blyman

N J Mosquito Exterm Ass Proc 54:76-80

Mar 1967 420 N46

Culicidae, Insect control, Research, Water pollution.

20936-68

A MULTIPURPOSE MOSQUITO CONTROL PROJECT- FISHING CREEK.

D M Jobbins

N J Mosquito Exterm Ass Proc 54:120-124 Mar 1967 420 N46 Aedes, Agricultural outlook, Culex, Culicidae, Insect control. Marshes, Research, Weather.

20937-68

THE VOLUME MYTH IN FORMULATED PESTICIDE SALES.

R G Van Buskirk

Farm Chem 130(11):66,68,70,7 ,74 Nov 1967 57.8 AM3

Formulations, Marketing, Pesticides.

EDUCATION

20938-68

PESTICIDE SAFETY HANDBOOK; A GUIDE FOR USERS AND AGRICULTURALISTS. SB56.0C3.

64 P. REF MONTREAL, CANADIAN AGRICULTURAL CHEMICALS AS

0000

Accident prevention, Equipment, Handbooks, Pesticide application, Pesticides, Poisoning.

REGULATIONS

20939-68

PESTICIDE REGULATIONS.

W Lamade

Agr Chem 23(10):34-35

Oct 1968 381 AG8

Accident prevention, Agricultural regulation, Biochemistry, Chemical control (pests), Legislation, Pesticide application, Pesticides.

20940-68

THE PESTICIDES PROGRAM ACTIVITIES OF THE PUBLIC HEALTH SERVICE.

S W Simmons

Public Health Rep 83(11):967-973

Nov 1968 151.65 P96

Laboratories, Pesticides, Public health administration, Research, Toxicology.

20941-68

REGULATIONS BY THE MILE.

J E Vawter

Northeast Weed Contr Conf Proc 22:149-153

03 Jan 1968 79.9 N814

Agricultural regulation, Herbicides, Pesticide application, Railroads, Spraying equipment.



ABATE Field trials with granular abate for control of early spring aedes mosquitoes.	ACETIC ACID COMPOUNDS Isolation of the methyl ester of chloro-3-in- dolylacetic acid from the immature seeds of the	Lung changes and Aelurostrongylus abstrusus in- festation in English cats.
20374	pea, Pisum sativum L.	20647
ABNORMALITIES A hypothesis on the subject of larval monsters in	ACIDS Fathy said composition of the rice stam because	AERIAL SPRAYING Aerial spray operations in the first U. S. Army
the genus Anopheles.	Fatty acid composition of the rice stem borer Chilo suppressalis Walker.	area. 20384
Chromosomal aberrations induced in somatic	20371	Low volume aerial applications of DDT to cotton
cells of Vicia faba by pesticides.	Aflatoxin formation by Aspergillus flavus and Aspergillus parasiticus in a casein substrate at	in central Tanzania 1966. 20616
Congenital hydrops in mink.	different pH values.	Preliminary trials with UCAR mist nozzle.
20711	20876	20933
ABORTION Abortion in a donkey associated with Brucella abortus.	Fatty acid composition of extract from pyrethrum flowers (Chrysanthemum cinerariaefolium).	An experimental reaction-driven rotary sprayer for helicopter operation. (Abstracted from Trop- ical Products Research Unit/Porton Down Re-
20699	20897	port no.305).
Role of the Brucellose in the etiology of abortions of the bovincs.	ACRIDIDAE Some Californian oedipodine grasshoppers, particularly three species given the specific name	AEROBACTER AEROGENES
ABSCISSION 20772	occidentalis by Lawrence Bruner (Orthoptera, Acrididae).	Experimental mastitis in leukopenic cows: Immunologically induced neutropenia and response to intramammary inoculation of Aerobacter
Chemical induction of fruit abscission in olives.	20203	acrogenes.
20501	ACROBASIS CARYAE	20720
ABSORPTION Pyrethrum in peonies.	The pecan nut casebearer, Acrobasis caryae (Lepidoptcra: Pyralidae) on mockernut hickory,	AFLATOXIN A metabolite of Macrophomina phaseoli
20500	Carya tomentosa.	(Maubl) Ashby, with thin-layer chromatographic
Accumulation and concentration of chlorinated hyrocarbon pesticides by microorganisms in soil.	ADENINE NUCLEOTIDES	behavior similar to that of aflatoxin B.
20504	Microsomal N-demcthylation, by a cotton leaf	Aflatoxin induced serum enzyme changes in
Uptake and transport of systemic fungicides and bactericides.	oxidase system, of 3-(41-chlorophenyl)-1,1-dimethylurea (monuron).	calves. (Abstract.
20889	20498	Further observations on the effect of aflatoxin in
Effects of manganese and iron application on	ADENOCARCINOMA	calves. (Abstract).
their solubility, absorption and growth of oat plants.	Incidence and types of canine rectal carcinomas. 20779	20735 Carcinogenic action of groundnut meal contain-
20912	ADENOMA	ing aflatoxin in rats.
ABSORPTION (BIOLOGICAL)	Incidence and types of canine rectal carcinomas. 20779	20868
Penetration of lindane into plants of various photoperiodic groups and its biological activity depending upon the light conditions.	ADENOVIRUSES Respiratory adenovirus infection in the dog.	Aflatoxin formation by Aspergillus flavus and Aspergillus parasiticus in a casein substrate at different pH values.
20637	20685	20876
ACARICIDES A new acaricide to control phosphate ester re-	Classification of an avian virus by electron microscopy.	Site of action of aflatoxin on human liver cells in culture.
sistent spider mites through resistanceinduced enhanced susceptibility.	20723	20886 AFRICAN HORSE SICKNESS
20434	ADSORPTION Relationship of depart age to adsorption of foot	Studies on the ecology of Culicoides midgesthe
ACARINA Water mites from puddles 'Vechten'.	Relationship of donor age to adsorption of foot- and-mouth disease virus by mouse tissucs. 20684	transmitters of bluc-tongue and horse-sickness. 20404
20173	AEDES	Contribution to the study of equinc plague; its
The collection of Dr. M. Gaillard in Kolda, Senegal. Orthoptera and closely related orders.	Evening crepuscular activity of some lowan mosquitoes (Diptera: Culicidae).	actual sanitary legislation in France. 20693
20254	20290	AGALACTIA Mastitis metritis agalactia syndroma
Preliminary results of a nine year investigation of Bachhydracarinen (Acari-Trombidiformes).	Field trials with granular abate for control of early spring aedes mosquitoes.	Mastitis-mctritis-agalactia syndrome.
Guide lines for the testing of materials on spider	A multipurpose mosquito control project- Fish-	The relation between milk production and sen- sitivity of the udder for infection with Sc. agalac-
mites in vegetable beds.	ing creek.	tiae. 20759
20609	20936	Investigation into electronic cell number count-
The summer and autumn daily activity of common wood ticks in the woods of Jezirko near Brno.	AEDES AEGYPTI Preliminary observations concerning the absence of Aedes aegypti in Savanah, Georgia, and near-	ing Brabanter Mastitis-Reaction, Whiteside Mas- titis test and lab coagulation time of milk.
20805	by areas. 20388	AGALLIA CONSTRICTA
Small mammals and their ectoparasites from the		Enhancement of infectivity of a mammalian virus
Scottisch islands of Handa (Sutherland), Muck, Pabay, Scalpay and Soay (Inner Hebrides).	Human sweat componentsattractancy and repellency to mosquitoes.	preparation after injection into insects.
20806	20491	AGAR
Sanitary legislation of the well known contagious	Pyrcthrum in peonies. 20500	Esterases of mouse brain active in hydrolyzing organophosphate and carbamate insecticides.
discases of bees in France; loques, acarine dis- ease, nosema disease.	AEDES SOLLICITANS	20659
20294	Effects of temperature on the development of the dog heartworm, Dirofilaria immitis, in Aedes	AGGLUTINATION
ACCIDENT PREVENTION	solicitans.	Immunological specificity of soluble polysaccharides of Candida albicans.
Insecticide poisoning: Danger area for the practi- tioner.	20804	20705
uoner. 20875	Some effects on microcrustaceans of coastal im-	AGGLUTINATION TEST
Pesticide safety handbook; a guide for users and	poundments for Aedes sollicitans control.	Adjuvant vaccincs prepared from killed Brucella
agriculturalists. SB56.0C3.	AFDES VEXANS	abortus. strain 45/20.

AEDES VEXANS
A study on gonotrophic cycle of the mosquito Aedes vexans Meig. in South Moravia.

Locating the eggs of Aedes vcxans (Mg.) (Diptera: Culicidae).

20377

20938

20939

20898

Pesticide regulations.

Fatty acids in Louisiana rice fields.

ACETIC ACID

20750

AGING
Biology of Hyphantria cunea Drury (Lepidoptera: Arctiidae) in, Japan. III. Photoperiodic induction of diapause in relation to the seasonal life cycle.

20156

AGRICULTURAL CHEMISTRY

Nest construction and life history of the eastern AIR POLLUTION **ALTERNARIA** Controlling pollution. The pesticide industry cucurbit bce, Peponapis pruinosa (Hymenop-Alternaria brassicae. tera: Apoidca). takes action. 20525 20848 Alternaria chrysanthemi. Experimental infection of gnotobiotic Tenebrio molitor and white rats with Hymenolepis diminute (Control of Control of Co AIRCRAFT 20526 Low volume aerial applications of DDT to cotton Alternaria brassicicola. ta (Cestoda: Cyclophyllidea). in central Tanzania 1966. 20527 ALTERNARIA SOLANI Relationship of donor age to adsorption of foot-Production of exoccllular polysaccharides by Aland-mouth disease virus by mouse tissues. Insecticide toxicology; augumented susceptibiliternaria solani. 20684 ty to carbaryl toxicity in albino rats fed purified 20499 case in diets. Occurrence and morphology of spontaneous ar-**AMBLYOMMA** teriosclerosis in domestic and wild pigs. Field vector studies of epizootic East Coast Fever V1.The occurrence of Amblyomma dihydric Herbicidally active cycloalkenyl Studies on immunity of calves to Dictyocaulus variegatum and A. Icpidum in the East Coast fluoroalcohols and method of controlling weeds viviparus reinfection. li. Relationship between Fever zones. therewith. Patent 3,393,993. the age of calves and the dose of larvae causing 2063I clinical and lethal course of dictyocaulosis. **AMINES** 20834 ALDRIN Amine derivatives for pesticide residue analysis Comparison between Adlrin and Milrex as prin-AGRICULTURAL CHEMISTRY ciple ingredients of pelleted bait in control of the 20856 Herbicides in the osier (Salix viminalis) culture. lcaf-cutting ant: Atta sexdens rubropilosa Forel, 20634 1908 and Atta laevigata (F. Smith, 1858) The endocrine and nutritional control of egg AGRICULTURAL ECONOMICS Hymenoptera, Formicidae. maturation in the fleshfly Sarcophaga bullata. Threshold values in the economics of insect pest 20444 control in agriculture. A bioassay technique to determine amount of termite control insecticide in soils. (Abstracted from PestControl 34(1). 32-38. 1966). milk products. Economically important nematodes in Ontario. 20661 20627 Supplement to the publication 'On the variations AGRICULTURAL OUTLOOK Water pesticides. 2. of free amino acids and proteins in chicken eggs Mosquito control in the environmental seience 2085 I after preliminary treatment of killed Salmonella'. picture. Insecticidal laboratory studies on the sisal weevil 1--consideration of the H2O2-catalase process. 20157 (Scyphophorus interstitialis Gyll, Curculionidac, 20725 New Jersey Mosquito Extermination association Colcoptera). IV. Persistence of aldrin and diel-Some amino acid needs of the young pig fed a proceedings of the fifty-fourth annual meeting drin in the soil. semisynthetic diet. held March 15, 16, and 17, 1967, Atlantic City, New Jersey. Malaria: Extracellular amino acid requirements 20160 Distribution of the alfalfa weevil, Hypera postica The Cape May Commission builds a controlled (Gyll.) in New York. water level facility for mosquito control. 20168 20768 20373 Borax inhibition of cyanogenesis in snow mold of AMITROLE A decade of mosquito control in Maryland alfalfa. Structure--activity correlation 1,2,4-20544 20376 Triazonen, a new group of photosynthesis inhibi-

Mosquito control means real estate enhance-20423

A multipurpose mosquito control project- Fishing creek. 20936

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Iron injection and ham acceptability. 20784

Pesticide regulations.

20939 Regulations by the mile.

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Ultraviolet repair capabilities of Agrobacterium tumefaciens. 20921

Survival of bean bacterial pathogens in the field and greenhouse under different environmental conditions. (Abstract). 20562 Alfalfa, clover and grass: Pests and diseases. 20595

The phytonome of alfalfa Hypera variabilis Herbst. (Coleoptera, Curculionidae) southwest France. 20602

The possible role of the algae Cladophora glomerata on the biological control of Biomphalaria boissyi, the snail host of Schistosoma mansoni. 20818

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Experimental determination of fitness interactions in drosophila melanogaster by the method of marginal populations. 20482

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ALLERTON VIRUS

Antibodies to the group II lumpy skin disease viruses in the sera of cattle in Kenya. 20740

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for in vitro growth of erythrocytic forms of Plasmodium knowlesi.

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Studics on Anaplasma ovis infection. II. Pathogenicity of a Nigerian goat strain for dutch sheep and goats. 20803

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Chemotaxonomic and ultrastructural studies on three species of Tilletia occurring on wheat.

Innoculation of the cecidomyiidae shell of Oligotrophus reaumurianus on the linden leaf.

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studies in the USSR.	20815	Some amino acid needs of the young pig fed a
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20871

Dietary interrelationship of cobalt and selenium in lambs.

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Pathogenicity of Vibrio coli for swinc I. experimental infection of gnotobiotic pigs with Vibrio coli.

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Goble, H W Guelph University, Canada; Dept. of Zoology 20605	Harvey, R W North Carolina State University, Raleigh; Animal Science Dept.	Howse, P E Southampton University, Australia; Dept. of Zoology 20360
Godin, P J Tropical Products Institute, London 20500	Haub, F Johannes-Gutenberg Univ., Mainz, Germany; Inst.	Hudson, J R Commonwealth Scientific and Industrial Research; Organization. Parkville, Australia; Animal Health Research Lah.
Goldthwaite, J. J. Harvard Univ., Cambridge, Mass.; Biological Labs. 20895	fur Allgemeine Zoologie 20352 Havre, G N Norges Veterinaerhogskole. Oslo; Institutt for	Huitema, H Centraal Diergeneeskundig Institut, Rotterdam
U. S. Dept. of Agriculture, Beltsville, Md.; Agricultural Research Service; Crops Research Division 20632	Biokjemi 20710 Hayashi, A	Huppi, G Institute of Steroid Chemistry, Palo Alto, California; Syntex Research
Goto, M Tottori University, Tottori, Japan; Faculty of Agriculture; Dept. of Veterinary Pathology 20706	Taisho Phamaceutical Company, Limited, Tokyo; Laboratory of Applied Entomology Head, S W	Hurd, P D California Univ., Berkeley
Granados, R R Wisconsin University; Dept. of Entomology 20606	Pyrethrum Marketing Board, P. O. Box 420, Naku- ru, Kenya; Research Laboratories	1shac, M M National Research Center, Egypt, United Arah Republic
Gressner, I Institut de Recherches Scientifique sur le Cancer, Ville; Juif, France; Laboratory of Viral Oncology 20707	Heinrichs, E A Tennessee University Agricultural Experiment Sta- tion, Knox; Ville, Tenn.; Dept. of Agricultural Biology	20818 Itagaki, K Tottori University, Japan; Faculty of Agriculture; Dept. of Veterinary Microhiology
Griel, L.C. Pennsylvania Agricultural Experiment Station, University; Park, Pennsylvania; Lipid Laboratory	Helling, C S Agricultural Research Service, Beltsville, Md.;	Ito, T Iwate University, Morioka, Japan; Dept. of Veteri-
Griggs, W H Experiment Station, Davis	Crops Research Division 20859 Hemmerlein, A H Rutgers University, New Brusnwick, N. J.; Dept. of	nary Pathology 20717 Ivanov, V B Academy of Scienes, USSR; Inst. of General and
Gromet-Elhanan, Z Weizmann Institute of Science, Rehovoth, Israel; Biochemistry Section	Entomology and Economic Zoology Herceg, M	Inorganic Chemistry 20899 Jackman, J B W
Gurney, A B U. S. Dept. of Agriculture, Washington, D. C.; Agricultural Research Service; Entomology	Veterinarskog fakulteta Sveucilista, Zagreb, Yu- goslavia; Instituta za fiziologiju i patologiju animalne proizvo; Centar za peradarstvo 20712	Macdonald College, P. Q; Dept. of Animal Science 20820 Jacotot, H Institut Pasteur, Paris, France
Research Division 20203 Gurney, B Glasshouse Crops Research Institute, Littlehamp-	Herrin, C S Ohio State Univ., Columbus; Acarology Lab. 20357	Jacquot, M Y A la Faculte de Medecine et de Pharmacie de Lyon 20719
ton, England 20204 Guy, Y	Hiers, J M Georgia University, Athens; Dairy Science Dept.; School of Veterinary Medicine	Jain, N C California University, Davis; School of Veterinary Medicine; Dept. of Clinical Pathology
Faculte de Medicine et de pharmacie, Algeria; Lab. de Parasitologie et de Zoologie medicale Guy, Y 20348	Hikichi, A Canada Dept. of Agriculture, Vineland Station, Ontario; Research Branch; Research Laboratory	James, L. F. U. S. Dept. of Agriculture, Washington, D. C.; Agricultural Research Service; Animal Disease and
Faculte de Medecine et de Pharmacie, Algeria; Lah, de Parasitologie et de Zoologie Medecale 20486	Hill, A V Commonwealth Scientific Industrial Research Or-	Parasite Research Division; Poisonous Plant Research Laboratory 20874 Jaques, R P
Hadorn, E Zurich Univ., Switzerland; Zoologisch-vergl. Anatomisches Inst.	ganization; Division of Plant Industry, Canberra 20538 Hironaka, R Canada Agriculture Research Station, Lethhridge;	Canada Dept. of Agriculture, Harrow; Research Station 20363
Hajkova, Z Czechoslovak Academy of Sciences, Prague; Institute of Parasitology	Animal Science Section 20860 Hodge, H C	Jensen, O Strandvejen 63, Bredballe Strand Pr. Vejle Jicha, R
20350 Halperin, J E U. S. Dept. of Agriculture, Beltsville, Maryland; Crops Research Division; Plant Virology Laborato-	Rochester University, N. Y.; School of Medicine and Dentistry 20873 Hodgson, C J	7107 neckarsulm 2, Odheimer Strasse 10 Juhbins, D M
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Agricultural Research Council, Bucks, England; Pest Infestation Lahoratory 20206 Halterman, L. G	Agricultural University, 10, Haarweg, Wageningen, Netherland; Laboratory of Animal Physiology 20714 Hoenigsberg, H F	Guelph University, Ontario, Canada; Dept. of Zoology 20364 Johnson, C
U. S. Dept. of Health, Education, and Welfare, Atlanta, Ga; Public Health Service; Mental Health Administration	Los Andes Univ., Bogota, Colombia; Inst. de Genetica 20462	Manchester Museum, Manchester: Department of Entomology 20210
Hammond, P M British Museum, England; Dept of Entomology 20351	Hoenigsberg, H F Los Andes Univ., Bogota, Colombia; Inst. de Genetica 20463	Johnson, M P Stanford University, Calif.; Dept. of Biological Sciences 20464
# W. C. I		

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Jones-Davies, W. J. Cooper Technical Bureau, Berkhamsted, England	Research Division 20218	Leclant, L
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Weinstrabe	V-1 V	Leibovitz, L
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Khalaf, k T	Krista, L M	2073
Loyola University, New Orleans 2021-	Minnesota University, St. Paul; Dept. of Animal Science and Veterinary Pathology 20728	Lempke, B J Amsterdam-Z. 2, Oude Ijselstraat 12 III, Nether lands
Khalil, A A Alexandria University, United Arab Republic	Krombein, K U U. S. Dept. of Agriculture, Washington, D. C.;	Leonard, M D
Khan, M I Zoologigul Surgery Dept. Kurnehi, Rubistun	Agricultural Research Service; Entomology Research Division	Washington, D C 2022
Zoological Survey Dept., Karachi, Pakistan 2082	Krombein, K V	Levi, M P North Carolina State University, Raleigh
Khanna, P N Indian Veterinary Research Institute, Mukteswai	U. S. Dept. of Agriculture, Washington, D C;	Levieux, J
kumaon, Indi 2072.	Research Division 20220	Laboratoire de Zoologie de l E. N. S., 24, Ru Lhomond,; Paris, Ve, France
Kheissin, E M USSR Academy of Sciences, Leningrad, Russia; In	Kulaeva, O N - Academy of Sciences, USSR; K. A. Timiryazev	Lewis, L A
stitute of Cytology 2021:	Inst. of Plant Physiology	U. S. Navy Disease Vector Control Center Jacksonville, Fla.; Naval Air Station
Kiauta, B	Kuo, T T	2023 Lie, J L
Utrecht University, Netherlands; Institute of Genetics	stitute of Botany	Institute Pertanian Bogor, Bogor, Indonesia; Akul tas Pertanian
Kimura, S	Kurczewski, F E	2087
Tokushima University, Japan; School of Medicine Dept. of Bacteriology	Syracuse University; College of Forestry; Dept. of Forest Entomology	Logvinenko, V N Ukranian USSR Academy of Sciences, Kiev; In
2072-		stitute of Zoology 2023
King, T H Food and Agriculture Organization, Bangkhen	Kyoto University; College of Agriculture; Pesticide	 Lomax, J L Rutgers University, New Brunswick, N. J.; Dept. o
Thailand; Rice Protection Research and Training Center	20371	Entomology and Économic Zoology 2038
Kinzelbach, R	Ladduwahetty, A M Ceylon Univ., Colombo; Dept. of Zoology	Long, G L
Johannes-Gutenberg Univ., Mainz, Germany; Inst fur Allgemeine Zoologie	Lafferty, B M	Brandeis University, Waltham, Mass.; Graduat Dept. of Biochemistry
Klesser, P. J.		Long, P L 2065
Plant Protection Research Institute, Pretoria	0.0000	Houghton Poultry Research Station, Huntingdon 2073
South Africa 2053	Canada Dept. of Agriculture, Saint Jean, Quebec;	Langworth, J F Oxford University, England; Commonwealt
Klyuchko, Z F Kiev University, USSR	Research Station 20222	Forestry Institute; Insect Pathology Unit 2038
Knowlton, C B	Lake, R W Delaware University; Dept. of Entomology and Ap-	Loschiavo, S R Canada Dept.of Agriculture, Winnipeg, Manitoba
Orange County Community College, Middletown	plied Ecology 20374	2038
New York: Dept. of Biology 2021	Lamuda 11/	Lavekin, L G New Haven, Conn.
Ko, W H Michigan State University, East Lansing; Dept. o	20939	Loy, V A 2073
Botany and Plant Pathology 2050-	Margland State Board of Agriculture College Park	U.S. Army, Maryland; Fort George G. Meade, 2038
Konishi, S Tokyo University;; Dept. of Veterinary Microbiolo	Laseter, J L	Lukoschus, F S Katholick E Universiteit, Nijmegen, The Nether
gy 20720	Sciences	lands; Zoologisch Laboratorium 2023
Kono, T Shikoku Agricultural Experiment Station, Zentsuji	Laudì, G	 Lussier, G Montreal University, C. P. 100, Laval-des-Rapides
Japan	Italy: Facolta di Agraria: Instituto di Botanica	Institute of Microbiologie and Hygiene 2073
20366 Koss, R W	Laursen-Jones, A P	Luthman, J Royal Veterinary College, Stockholm, Sweder
Utah Univ., Salt Lake City; Dept. of Environmenta Biology	Post-mortem Laboratory	Dept. of Medicine li 2065
Kovitvadhi, K	Laven, H	Lynch, E E
Florida Univ., Gainesville; Dept. of Entomology 2036	Johannes Gutenburg University, Mainz, Republic	Maryland University, Salisbury; Maryland Stat Board of Agriculture 2015
Kovoor, A	20466	Lynch, G P
C. P. E. M., Paris, France; Faculte des Sciences Laboratoire de Biologie cellulaire	Johannes Gutenberg-universität Mainz; Institut für	U. S. Dept. of Agriculture, Beltsville, Md.; Agricultural Research Service
Kralj, N	20467	Lynch, G P
Zagreb University, Yugoslavia; Institute of Anatomy, Histology And Embryology	 Leatherdale, D Whitchurch, Pangbourne, Berkshire, England 	 Ú. S. Dept. of Agriculture, Beltsville, Md.; Agricultural Research Service
2082		2073

Lyons, E T

Lyons, E T Kentucky University, Lexington; College of Agriculture; Dept. of Veterinary Science	2074.	2 Biochemistry
Lyons, L A Forest Insect Laboratory, Ontario 2061	Dickinson Coll., Carlisle, Pa.; Dept. of Biology 2046	Mohanty, S B Maryland Univ., College Park; Dept. of Veterinary Medicine
Macadam, 1 Central Veterinary Laboratory, Dar es Salaam Tanzania; Assistant Director of Veterinary Service	Veterinary Research Laboratories, Stormont, Irelands	Morel, P.C. Institute d'elevage et de medecine veterinaire
(research) 2073 Machida, S Animal Health Institute, Ryukyu Governmen	2061	Central Veterinary Laboratory, Surrey
Naha, Okinawa; Research Division 2073 Macnay, C G Canada Dept. of Agriculture, Ottawa; Researc	North Dakota State University, Fargo; Dept. over Veterinary Science	Moriwaki, D
Branch; Central Experimental Farm 2015 Malkin, K L Canada Dept. of Agriculture, P. O. Box 1400, Hul	University Suh Post Office, Saskatoon; Researc Station; Research Branch	Moriyama, II
Animal Diseases Research Institute; Health of Animals Branch; Animal Pathology Division 2073	Rutgers University, New Brunswick, N. J.; Colleg	Morrissette, M C Oklahoma State University, Stillwater; Dept. o
Mani, M S St. John's College, Agra, India; School of Er tomology 2054	Merrill, W Pennsylvania State University, University Park 2054	Physiology and Pharmacology 2075 Moseley B 1
Manna, G K Kalyani Univ., India; Dept. of Zoology 2046	Meyer, A S Case Western Reserve University, Cleveland, Ohio	ry Medicine; Dept. of Veterinary Pathology 2075. Mostafa, 1 E
Manuel, M F University of the Philippines, Quezon City; Dept C Veterinary Parasitology 2082	of Meza-Ruiz, G Universidad National Autonoma de Mexico; Facu tad de Quimica	Pathology 2075. Motovoshi, F
Markkula, M Agricultural Research Centre, Tikkurila, Finland Dept. of Pest Investigation 2038	Ministry of Agriculture and Forestry, 959 Aob.	a- Mouchet, J
Marquet-Hauteville, L A la Faculte Mixte de Medecine et de Pharmaci de Lyon	Research e 2054 Mikkelson, T	Outre-me; Services Scientifiques Centraux; En tomologiste Medical
Martin, R J Illinois Dept. of Public Health, Springfield 2061	dremedisin 2074	University College, Nairohi, Kenya
Martin, W B University Veterinary Hospital, Glasgow, Scotland 2074 Martinson, C A		2040
Cornell University, Ithaca, New York Masaki, S 2054	Georgia University, Athens; School Veterinar Medicine; Dept. of Dairy Science 2065	y tomology 2048: 7 Muma, M H
Hirosaki University; Lahoratory of Entomology 2015 Mason, L G New York State University, Alhany; Dept. of Biolo	of Zoology	2023
gy Mason, W R M	Miniats, O P Guelph University; Ontario Veterinary College 2082	Soil Conservation Service, Freehold, N. J. 2015 Munnecke, D E
Entomology Research Institute 2023 Materu, M E A Tropical Pesticides Research Institute, Arush:	2074	California University, Riverside 2055 Munson, R E Missouri University, Columbia; Dept. of Entomole
Tanzania 2086 Mathewson, J A	Commercial Solvents Corporation, Terre Haute Ind.	gy 2023 7 Murray, M
Rhode-Island, Kingston; Dept. of Plant Patholog Entomology 2038 Matoff, K	7 Florida University, Gainsville; Zoology Dept. 2039	Glasgow University, Scotkind: Experimenta Veterinary Medicine 2082 Nakanishi, K
Academie DES Sciences de Bulgarie; Lahoratoir Central d'Helminthologie, Sofia 2065	Muliaina Dant of Migrahialage	2040
Matsumoto, T T California University, Davis; Dept. of Pomology 2090 Maxwell, D P	2039	Keio University School of Medicine, Tokyo, Japan Dept. of Microhiology 2075
Cornell University, Ithaca, New York 2090 McBain, J B Stauffer Chemical Company, Mountain View	2039	Nakashima-Tanaka, E Osaka Prefecture University, Sakai, Osaka, Japar Dept. of Biology 2047
California; Agricultural Research Center McConnell, S 2065	Ceylon Univ., Peradeniya; Dept. of Zoology Modder, W W D	Nakashima-Tanaka, E Osaka Prefecture University, Sakai, Osaka, Japar Dept. of Biology
U. S. Army Medical Unit, Fort Detrick, Md. 2074 McCray, E M Communicable Disease Center, Savannah, Ga.	Ceylon Univ., Peradeniya; Dept. of Zoology Modder, W.W.P. Ceylon Univ., Peradeniya; Dept. of Zoology	7 Nazerian, K U. S. Dept. of Agriculture, East Lansing, Michigar Regional Poultry Research Laboratory
2038		

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Nel, M D Division of Plant Pest Control, Pretoria, South	Palmer, L T Minnesota University, St. Paul	Rao, K K Baroda University, India; Dept of Microhiology 2050
Africa 20473 Neuhard, J Copenhagen University, Denmark; Institute of Biological Chemistry	Palmer, T P Department of Scientific and Industrial Research.; Christchurch, New Zealand; Crop Research Div. 20411	Rao, P S Kansas State University, Manhattan Rapp, W F
Nevill, E.M. Veterinary Research Inst., Onderstepoort, south Africa	Panse, M V Hindustan Antihiotics Ltd., Poona, India; Research Div. 20763	State Dept. of Health, Lincoln, Neh.; Division of Sanitation 20250 Raspail, M
Novacky, A University of Kentucky, Lexington	Papavizas, G C U. S. Dept. of Agriculture, Beltsville; Agricultural Research Service; Crops Research Division	A la Faculte de Medecine et de Pharmacie de Lyor 2077. Rehmann, O
Novak, D Lab. of Entomology, Honodin, Czechoslovakia 20405	Parish, R H Tropical Pesticides Research Institute, Arusha,	6 Frankfurt (M). 1. Freseniusstr. 18, Germany 2025 Rees, D M
Nuesch, H Basel Univ., Switzerland; Zoologisches Inst.	Tanzania 20616 Parkash, O Viana University Austria Institut of Richau	Utah University, Salt Lake City, Institute of Environmental Biological Research 2016
Nunberg, M Landwirtschaftliche Univ., Warsaw, Poland 20241	Vicnna University. Austria; Institut of Biology 20474 Parsons, M C	Reinmuth, E Rostock 2050
Odhiambo, T R University College, Nairobi, Kenya; Dept. of Zoology	Toronto University, Canada; Dept. of Zoology 20412 Pattenden, G Univ. Coll., Cardiff, Wales; Dept. of Chemistry	Rep, B H Dept. of Royal Tropical Institute, Amsterdam; In stitute of Tropical Hygiene 2083
Odumanova-Dunaeva, G A All-union Scientific Research Inst. of Plant Protection.; Leningrad, USSR	Patterson, R S Cornell Univ., Ithaca, New York; Dept. Of En-	Ribeiro, M Institut Pasteur, Algeria; Scrvice de la Clavelee 2077.
20637 Okljesa, B Veterinarskog fakulteta Sveucilista, Zagrebu, Yu-	tomology Paulus, H Mainz, Germany	Rich, L J Cornell University, Ithaca; New York State Veterinary College; Dept. of Small Animal Medicine and Surgery
goslavia; Klinika za porodiljstvo; Sterilitet i umjet- no osjemenjivanje 20759	Pensaert, M B	Riman, J Czechoslovak Academy of Sciences, Prague; In
Okoshi, S Tokyo University; Dept. of Veterinary Internal Medicine and Parasitology	Purdue University, Lafayette, Ind.; School of Veterinary Science and Medicine; Dept. of Veterinary Microbiology, Pathology and Public; Health 20765	stitute of Organic Chemistry and Biochemistry Dept. of Molecular Biology; Lahoratory of Biochemical Investigation of Cancer
Okoshi, S Tokyo University, Japan; Faculty of Agriculture; Dept. of Veterinary Internal Medicine and Parasitology	Phillips, J H H Canada Dept. of Agriuclture, Ontario; Vineland Research Station 20617	Rizki, T M Michigan University, Ann Arhor, Michigan; Dept of Zoology
Okoshi, S Tokyo University, Japan; Faculty of Agriculture; Dept. veterinary Internal Medicine and Parasitolo-	Pier, A C U. S. Dept. of Agriculture, Ames, Iowa; Agricultural Research Service; Animal Disease and Parasite Research Division; National Animal Disease Laboratory	Roach, R W Veterinary Research Lahoratory, Kahete, Kenya 2077 Rohaux, P
gy Okoshi, S Talana Jana Faratta of	Pocock, E F Ontario Veterinary College, Canada; Dept. of	Museum National d'Histoire Naturelle, France Laboratoire d'Ecologie
Tokyo University, Tokyo, Japan; Faculty of Agriculture; Dept. of Veterinary Internal Medicine and Parasitology 20830	Clinical Studies 20767 Polet, H	Roberts, B R U. S. Dept. of Agriculture, Delaware, Ohio Agricultural Research Service; Crops Research
Okuchi, M Nagoya University, Nagoya; Laboratory of Fer- mentation Chemistry; Dept. of Agricultural	Walter Reed Inst. of Research, Washington, D. C.; Dept. of Hematology 20768	Division 2055 Roberts, J.M.D.
Chemistry 20930 Olson, C	Pont, A C British Museum (natural History), London, England; Dept. of Entomology	Ministry of Health, Nairobi, Kenya; Division of Ai horne Diseases
Wisconsin University, Madison; Dept. of Veterinary Science 20761	Preiss, F J Maryland University, College Park, Md.; Dept. of	Rodriguez-Kahana, R Auhurn University, Akahama 2090
Olson, T A Minnesota University, Minneapolis, Minnesota; School of Public Health	Entomology 20416 Privora, M Institut fur Epidemiologie und Mikrohiologie,	Roesler, U Zoologisches Forschungsinstitut, Bonn, Germany 2025 Rogers, C E
Oozhnikova, V N Academy of Sciences, USSR; K. A. Timiryazev Plant Physiology Inst.	Prague, Czec 20417 Privora, M	U. S. Dept. of Commerce; Dept. of Entomology 2064 Rohfritsch, O
20905 Orlando, E Modena Univ., Italy; Inst. di Zoologia	Czechoslovakia 20489 Provost, A	Institut de Botanique, Strasbourg; Lahoratoire d Cecidologie 2061
Ostazeski, S A U. S. Dept. of Agriculture, Beltsville	Veterinaires de Farcha, Fort-lamy; Lab. de Recherches 20769	Rosen, P World Health Organization Filariasis Researc Unit, Rangoon; Burma
Pacenovsky, J Agricultural College, Nitra, Czechoslovakia;	Prydic, J Wellcome Research Laboratories, Kent, England 20770	Ruber, E Rutgers University, New Brunswick, N. J.; Dept. c
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Ruzicka, J H	20564	20430
Great Britain Laboratory of the Government Chemist, Londo	Semancik, J S California University, Riverside; Dept. of Plant	Sobieszewski, K Agricultural University College, Warsaw, Poland, Dept. of Parasitology
20931	Pathology 20565	20833
Sacher, R M Monsanto Company, St. Louis, Mo.; Agricultural Division	Semancik, J S California University, Riverside	Sollers-Riedel, H U. S. Dept. of Agriculture; Agricultural Research
20421	20566	Service; Plant Pest Control Division
Sachs, R University College, Nairobi, Kenya; Faculty of Veterinary Science; Dept. of Clinical Studies	Serra-Tosio, B Saint-Martin-d'Heres; Laboratoire de Zoologie 20260	Solly, S R B Department of Agriculture, Wellington, New Zea-
20777	Shaldybina, E S	land; Wallaceville Animal Research Centre
Sailer, R I U. S. Dept. of Agriculture; Agricultural Research	Gorki Pedagogical Institute, USSR 20261	Sommer, N F California University, Berkeley
Service; Entomology Research Division	Shanklin, S H	20844
Sakai, K Wisconsin University, Madison; Dept. of En-	A. E. Staley Manufacturing Company, Decatur, Ill. 20782 Shaw, M.J.P	Spielman, A Harvard University, Boston, Massachusetts; School
tomology 20659	Tobacco Research Board of Rhodesia, Salisbury	of Public Health; Dept. of Tropical Public Medecine 20478
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Sang, J H	Research Service; Animal Disease and Parasite Research Division	Sprent, J I
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Sarasola, A A	Sericulture Experiment Station, Suginami-ky.	St-Laurent, G J
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Morristown Memorial Hospital, Morristown, N. J.;	tralia; School of Biological Sciences	20787
Laboratory of Virology	Siddiqui, W M	Stall, R E
20778	Rutgers Univ., New Brunswick, N. J.	Florida University, Gainesville 20570
Sattler, K British Museum (natural History), London, En-	20568	Standifer, L N
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Schaffer, E	20427	Research Division 20432
Munich University, Munich 22, Veterinarstrasse 13, Germany; Dept. of Veterinary Pathology	Simmons, S W Public Health Service, Atlanta, Ga.; Consumer	Steele, J E University of Western Ontario, London, Canada:
Schedl, K E	Protection and Environmental Health Service;	Dept. of Zoology
Lienz, Osttirol, Austria	Food and Drug Administration; Pesticides Program 20940	Steinhausen, W R
20422	Singh, D	Hauptlaboratorium der Schering AG, Berlin, Ger-
Schieble, J H	National Malaria Eradication Programme, Shil-	many
California State Dept. of Public Health, Berkeley;	long, India; Regional Coordinating Organisation	20434
Viral and Rickettsial Lah. 20780	Singh, M 20262	Stevens, R W New York State Dept. of Health, Alhany; Div. of
Schlesinger, J L	Government Agricultural College, Kanpur	Labs, and Research
Essex County Mosquito Extermination Commis-	20912	20788
sion, New Jersey	Singh, S B	Stillwell, M.A. Dept of Forestry and Rural Development, Canada
Schlesinger, M J Washington University School of Medicine, St.	University of Western Ontario, London, Canada; Dept. of Zoology 20428	Sullivan, R
Louis, Mo.; Dept. of Microhiology	Sinha, R C	National Center for Urban and Industrial Health,
Schmidt, H B	Canada Dept. of Agriculture, Ottawa; Cell Biologi-	Cincin; Nati, Ohio 20661
Der Deutschen Akademie der Landwirtschaftswis-	cal Research Institute 20429	Sun, G Y
senschaften; zu Berlin; Institut für Phytopatologie Aschersleben	Sippell, W L Dept. of Forestry, Sault Ste. Marie. Canada; Insect	Cleveland Psychiatric Institute, Cleveland, Ohio 20436
20560 Sebasidan H	and Disease Survey Section, Ontario Region 20619	Sutherland, D.W.S. Delaware Agricultural Experiment Station,
Schneider, H California University, Riverside 20561	Sirlin, J L	Newark; Dept. of Entomology 20265
Schonbeck, H	Cornell University Medical College, New York, N. Y.; Dept. of Anatomy	Sved, J A
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20660	Skelley, G C	20480
Schuerer, R Bern Univ., Switzerland; Ahteilung für	Clemson University, Clemson, S. C.; Animal Science Dept.	Syoboda, J
Zoophysiologie	20784	Czechoslovak Academy of Sciences, Prague; In- stitute of Experimental Biology and Genetics
20424	Skinner, W A	20789
Schuster, M.L.	San Francisco Medical Center, Calif.; Research In-	Swalles, G E
Nebraska University, Lincoln 20562	stitute, Menlo Park; Div. of Dermatology 20491	Canada Dept. of Agriculture, Lethbridge, Alberta, Research Station
Scott, H A	Skuhrava, M	20437
Plant Virology Lahoratory, Crops Research Divi-	Akademie de Wissenschaften, Prag, Czechoslav-	Swietlikowski, M
sion,; Agricultural Research Service, U. S. Dept. of Agriculture,; Beltsville, Maryland	kia; Entomologishes Institut der Tschechoslowakischen	Polish Academy of Sciences, Warsaw; Dept. of Parasitology
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