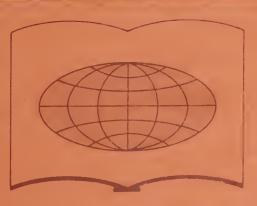


Pesticides Documentation BULLETIN

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Volume 4 November 22, 1968 Number 24



U.S. DEPARTMENT OF AGRICULTURE

PESTICIDES DOCUMENTATION BULLETIN

Volume 4 November 22, 1968 Number 24

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

OBJECTIVES AND SCOPE

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

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

FORMAT

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

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

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

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

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

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

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

Other Files

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

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

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

Compound Tested

Company furnishing the compound

Author or Investigator

Test Sponsor

Date

Location

Mode of Application

Rates of Application

Soil Types

Carriers

Crops or Weeds tested with phytotoxicity ratings

Associated documentation

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

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ACKNOWLEDGMENT

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

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

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

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

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

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



ENTOMOLOGY

21583-68

A METHOD FOR COLLECTING FEATHER LICE (MALLOPHAGA).

D B Crockett

Kans Entomol Soc J 40(2):192-194

Apr 1967 420 K13

Anoplura, Ethyl acetate, Fumigants, Predatory birds, Research.

21584-68

APPLICATION OF SCANNING MICROSCOPY IN THE STUDY OF VIRUS TRANSMISSION OF APHIDS.

G A De Zoeten

J Virology 2(7):745-751

Jul 1968 QR360.J6

Aphididae, Insect vectors, Morphology, Plant disease transmission, Plants, Research, Stylets.

21585-68

THE RESPONSE OF RHAGOLETIS POMONEL-LA (WALSH) ADULTS AND OTHER INSECTS TO TRAP BOARDS BAITED WITH PROTEIN HYDROLYSATE BAITS.

A J Howitt L J Connor

Entomol Soc Ontario Proc 95:134-136

1964 420 ON8

Insect pests, Proteins, Research, Rhagoletis pomonella, Tables (data), Traps.

21586-68

FLEAS FOUND ON RABBITS AND OTHER MAMMALS FROM A PASTURE.

A R Mead-Briggs R J C Page

Entomol Mon Mag (SER 4)99(277-9,JAN-MAR):19-22

1963 421 EN86

Insect behavior, Mammals, Oryctolagus cuniculus, Pastures, Research, Tables (data), Traps.

21587-68

A FLIGHT TRAP FOR COLLECTING LIVING INSECTS.

W W Nijholt J A Chapman

Can Entomol 100(11):1151-1153

Nov 1968 421 C16

Insect collecting equipment, Insect flight, Insect traps, Scolytidae.

21588-68

RESISTANCE PATTERN IN FOUR STRAINS OF INSECTICIDERESISTANT GREEN RICE LEAF-HOPPER, NEPHOTETTIX CINCTICEPS UHLER, COLLECTED IN FIELDS.

K Ozaki Y Kurosu

Jap J Appl Entornol Zool 11(4):145-149

Dec 1967 475 J27

Chemicals, Insect control, Insecticide resistant insects, Insecticides, Nephotettix cincticeps. English summary

21589-68

COCKROACH INSECTICIDES, HOW REPELLENT ARE THEY.

B J Smittle G S Burden W A Banks

Pest Contr 36(11):9-10

Nov 1968 449.8 EX8

Blattella germanica, Insect control, Insecticides, Laboratories, Mortality, Research.

21590-68

MILKY DISEASE BACTERIA.

K H Steinkraus H Tashiro

Appl Microbiol 15(2):325-333 REF

Mar 1967 448.3 AP5

Aging, Bacteria, Culture media, Geography, Insect names, Milky disease, Physiology, Research, Scarabaeidae.

21591-68

INFECTION OF CULTURED SILKWORM EMBRYOS WITH THE CYTOPLASMIC-POLYHEDROSIS VIRUS. (JA)

T Takam H Sugiyama T Kitazawa T Kanda Jap J Appl Entomol Zool 11(4):182-186 Dec 1967 475 J27 Anatomy, Bombyx mori, Culture media, Cytoplasm, Injections, Polyhedroses, Research, Virus diseases (insects).

21592-68

TERMITES- ROASTED OR AS A SOUP. (GE)

P Valentin

Kosmos 64(10):424-425

Oct 1968 474 K842

Food, Insect behavior, Insect traps, Proteins, Temperature, Termites, Vitamins, Weather.

21593-68

ALDRIN, DIELDRIN, ENDRIN, AND CHLOR-DANE PERSISTENCE--A 3-YEAR STUDY.

G Winnett J P Reed

Pest Mont J 2(3):133-136

Dec 1968 S0B951.0A10P41

Aldrin, Chlordane, Dieldrin, Endrin, Insect pests, Pest control, Pesticides, Soils, Tables (data).

SYSTEMATICS

21594-68

SOME ORTHOPTEROID INSECTS OF THE ORDERS BLATTOPTERA, ORTHOPTERA, AND DERMAPTERA FROM AFGHANISTAN. (RUS)

G Ja Bey-Bienko

Acta Ent Boltemoslov 64(6):407-438 REF

20 Nov 1967 420 C33

Blattidae, Catalogs, Dermaptera, Insect taxonomy, Orthoptera, Zoogeography. English and Czech abstract

21595-68

NOTES ON MALLOPHAGA ON THE ASIATIC WILD ASS AND BISONS.

D I Blagoveschenskiy

Entomol Rev 46(4,OCT-DEC):513-515

Dec 1967 421 R322AE

Bovicola, Insect taxonomy, Parasitic insects, Wildlife. Russian journal pp. 860-863

21596-68

A NEW SPECIES OF BLACK FLY OF THE GENUS GYMNOPAIS (DIPTERA, SIMULIIDAE) FROM THE ALTAY.

S I Bobrova

Entomol Rev 46(4,OCT-DEC):529-530

Dec 1967 421 R322AE

Insect taxonomy, Simuliidae. Russian journal pp. 884-886

21597-68

PSEPHENUS (COLEOPTERA: PSEPHENIDAE) PARASITIZED BY A NEW CHALCIDOID (HYMENOPTERA: EULOPHIDAE). I. DESCRIPTION OF THE PARASITE.

B D Burkes

Entomol Soc Amer Ann 61(2):450-452

15 Mar 1968 420 EN82

Aquatic insects, Chalcicidae, Eulophidae, Insect taxonomy, Parasitic insects, Psephenivorus mexicanus, Psephenus texanus.

21598-68

A FAUNISTIC STUDY OF PHILIPPINE APHIDS (APHIDIDAE, HOMOPTERA).

V J Calilung

Philippine Agr 51(2):93-170 REF

Jul 1967 25 P542

Aphididae, Insect identification, Insect taxonomy, Zoogeography.

21599-68

A NEW GENUS AND SPECIES OF APHIDIDAE (HOMOPTERA) ON PREMNA ODORATA BLANCO.

V J Calilung
Philippine Agr 51(2):89-92

Jul 1967 25 P542

Aphididae, Insect taxonomy.

21600-68

CONTRIBUTION TO THE FAUNA OF THE CONGO (BRAZZAVILLE). MISSION A. VIL-

LIERS AND A. DESCARPENTRIES. L. ORTHOPTERA GRYILODEA. (FR)

L. Chopard

Inst Fondamental Afr Noire Bull Ser A Sci Natur (SER A)29(2)758-776

Apr 1967 515 D14

Catalogs, Gryllidae, Insect taxonomy, Zoogeography.

21601-68

AN UNDESCRIBED PHYTOSEIUS FROM FLORIDA AND MEXICO. (ACARINA: PHYTOSEIIDAE).

D De Leon

Entomol News (philadelphia) 71(10):269-270

Dec 1960 421 EN88

Insect identification, Insect taxonomy, Phytoseius. Research.

21602-68

THE TREEHOPPERS OF WISCONSIN IN RELATION TO THE TENSION ZONE (HOMOPTERA, MEMBRACIDAE).

C J Dennis

Amer Midland Natur 81(1):236-242 MAP Jan 1969 410 M58

Catalogs, Insect ecology, Membracidae, Zoogcography.

21603-68

STANDARD NAMES FOR COMMON INSECTS.

New Zeal J Agr 114(1):97-99,101 (CONT.)

Jan 1967 23 N48J

Catalogs, Insect names.

21604-68

STATUS OF ZODION ZEBRINUM, Z. AURICAUDATUM, AND Z. ALBONOTATUM (DIPTERA: CONOPIDAE).

B A Freeman

Entomol Soc Amer Ann 61(2):276-278 REF

15 Mar 1968 420 EN82

Conopidae, Diptera, Insect taxonomy. Synonymy and misidentification

21605-68

WESMAELIUS BALTICUS TJEDER, 1931 (NEUROPTERA, PLANIPENNIN) NEW TO

L Greve

Norsk Entomol Tidsskr 14(2):68-69 MAP 1967 421 N812

Insect taxonomy, Neuroptera, Zoogeography.

21606-68

NOTES ON ECPHYLUS FORST. AND DESCRIPTION OF TWO NEW SPECIES (ICHNEUMONOIDAE, BRACONIDAE, DORYCTINAE).

K J Hedqvist

Entomol Tidskr 88(1-2):66-71

1967 421 EN891

1967 421 EN891 Braconidae, Insect taxonomy, Zoogeography.

21607-68

21607-68
A NUMERICAL TAXONOMIC STUDY OF THE GENUS PSOROPHORA (DIPTERA: CU-

LICIDAE).

J A Hendrickson R R Sokal Entomol Soc Amer Ann 61(2):385-392 REF

15 Mar 1968 420 EN82 Aedes, Culicidae, Insect taxonomy, Psorophora.

Abstract: Study of phenetic relationships among 29 species of culture mosquitoes based on 158 adult characters, findings are reported as phenograms based on correlation and distance coefficients, and as graphs representing the positions of the species in a 3-dimensional factor space.

21608-68

THE MALE OF NEOASCIA PETSAMOENSIS KANERVO (DIPT., SYRPHIDAE) WITH REMARKS ON THE FEMALES AND THE DISTRIBUTION OF THE SPECIES.

Suomen Hyonteistieteellinen Aikakauskir Ann Entomol Fenn 33(4):256-260

20 Dec 1967 421 SU7

21609-68

Insect taxonomy, Syrphidac, Zoogeography.

REDESCRIPTION OF NEOASCIA AENEA A REDESCRIPTION ON MEIG. (DIPT., SYRPHIDAE).

Н Нірра

Suomen Hyonteistieteellinen Aikakauskir Ann Entomol Fenn 33(2):113-117 MAP REF 30 Aug 1967 421 SU7

Insect taxonomy, Syrphidae, Zoogeography.

COLEOPTERA IN SOUTHERN NORDLAND. C Johnson

Norsk Entomol Tidsskr 14(2):70-82 MAP 1967 421 N812

Catalogs, Coleoptera, Insect taxonomy, Zoogeography.

A catalog of Colcoptera species found in southern Norway in the summer of 1965 is given.

HADRODACTYLUS BRANDERI SP. N. (HYM., ICHNEUMONIDAE) FROM FINLAND.

R Jussila

Suomen Hyonteistieteellinen Aikakauskir Ann Entomol Fenn 33(3):148-151 02 Nov 1967 421 SU7 lehneumonidae, Inseet taxonomy.

21612-68

CATALOGUE ON THE INDIAN DERMAPTERA. V C Kapoor

Agra Univ J Res Sci 16(PT 1):1-42

Jan 1967 513 AG8

Catalogs, Dermaptera, Inscet taxonomy, Zoogeography.

21613-68

CATALOGUE ON THE INDIAN DERMAPTERA.

V C Kapoor

Agra Univ J Res Sci 16(PT:1):1-42 Jan 1967 513 AG8

Catalogs, Dermaptera, Insect taxonomy.

21614-68

SOME ANATOMICAL DIFFERENCES OF POSSIBLE TAXONOMIC VALUE IN THE FEMALE REPRODUCTIVE ORGANS OF SITOPHILUS (CURCULIONIDAE: COLEOP-TERA).

N R Khan A J Musgrave

Can Entomol 100(11):1226-1228

Nov 1968 421 C16

Anatomy, Colcoptera, Curculionidae, Sitophilus, Taxonomy.

21615-68

REVISION OF SPHAEROCERA, WITH DESCRIPTION OF A NEW GENUS AFROMYIA (DIPTERA: SPHAEROCERIDAE).

K C Kim

Entomol Soc Amer Ann 61(2):296-312 REF 15 Mar 1968 420 EN82

Afromyia, Insect identification, Insect taxonomy, Sphaerocera, Sphaerocera richardsi, Sphaerocera tuberculosa, Zoogeography.

21616-68

TWO NEW SPECIES OF NOCTUID MOTHS OF THE GENUS PALLUPERINA HMPS. (LEPIDOP-TERA, NOCTUIDAE).

Z F Klyuchko

Entomol Rev 46(4,OCT-DEC):519-521

Dec 1967 421 R322AE

Insect taxonomy, Noctuidae. Russian journal pp. 869-872

THE ROLE OF CHEMICALS IN GENERAL INSECT CONTROL PICTURE. THE E F Knipling

Entomol Soc Amer Bull 14(2):102-107 REF Jun 1968 423.9 EN8

Bacillus thuringiensis, Chemicals, Chemosterilants, Heliothis zea, Insect control, Insecticides, Popula21618-68

NEW AND LITTLE-KNOWN SPECIES OF ALEYRODIDS (HOMOPTERA, DOIDEA) FROM CRIMEA. ALEYRO-

V.G. Korobitsin

Entomol Rev 46(4,OCT-DEC):510-512

Dec 1967 421 R322AE

Aleyrodidae, Insect taxonomy. Russian journal pp. 857-859

21619-68

A NEW EMPIDID, PLATYPALPUS CAU-CASICUS, SP. N. (DIPTERA, EMPIDIAE), FROM NORTH CAUCASUS.

V G Kovalev

Entomol Rev 46(4,OCT-DEC):531-532

Dec 1967 421 R322AE

Empididae, Insect taxonomy. Russian journal pp.

21620-68

A REVISION OF THE GENUS BLISSUS (HETEROPTERA: LYGAEIDAE) IN EASTERN NORTH AMERICA.

D E Leonard

Entomol Soc Amer Ann 61(2):239-250 REF

15 Mar 1968 420 EN82

Blissus, Heteroptera, Insect taxonomy, Lygaeidae.

DATA ON THE CADDISFLY (TRICHOPTERA) FAUNA OF SIBERIA AND THE FAR EAST.

1 M Levanidova

Entomol Rev 46(4,OCT-DEC):467-470

Dec 1967 421 R322AE

Catalogs, Insect taxonomy, Trichoptera, Zoogeography. Russian journal pp. 793-798

THREE NEW SPECIES OF AFRICAN GABRIUS (COL. STAPHYLINIDAE PHILONTHINI), (FR) L Levasscur

Inst Fondamental Afr Noire Bull Ser A Sci Natur (SER A)29(2):653-656

Apr 1968 515 D14

Insect taxonomy, Staphylinidae.

NEW RECORDS OF CARABIDAE (COLEOP-TERA) FROM NORTHUMBERLAND.

M. L. Luff

Entomologist (london) 101(1264):193-195 Sep 1968 421 EN8

Carabidae, Coleoptera, Taxonomy, Zoogeography.

A REVIEW OF TWELVE APHID SPECIES DESCRIBED AS NEW BY EDITH M. PATCH. M E MacGillivray

Entomol Soc Amer Ann 61(2):338-362 REF

15 Mar 1968 420 EN82

Acyrthosiphon, Aphididae, Dactynotus, Insect morphology, Insect taxonomy, Macrosiphum, Neocorylobium.

21625-68

GALL MIDGES OF THE USSR. 7. NEW SPE-CIES OF NONCECIDOGENOUS GALL MIDGES OF THE TRIBE OLIGOTROPHINI (DIPTERA, CECIDOMYIIDAE).

B M Mamayev

Entomol Rev 46(4,OCT-DEC):522-528 REF

Dec 1967 421 R322AE

Catalogs, Cecidomyiidae, Insect taxonomy. Russian journal pp. 873-883

21626-68

A NEW SPECIES OF FAHRENHOLZIA (ANOPLURA: HOPLOPLEURIDAE) FROM TEXAS, WITH A KEY TO THE SPECIES OF THE GENUS AND A LIST OF THEIR KNOWN HOSTS.

B McDaniel

Entomol Soc Amer Ann 61(2):402-405

15 Mar 1968 420 EN82

Anoplura, Fahrenholzia, Hoplopleuridae, Insect taxonomy, Parasitie insects, Rodents.

SIX NEW SPECIES AND ONE NEW NAME OF SOME DIPTEROUS FAMILIES FROM JAPAN.

M Miyatake

Shikoku Entomol Soc Trans 8(4):105-114

May 1965 420 SH6

Insect identification, Insect taxonomy, Research, Xylophagus matsumurai, Xylophagus omogensis, Xylophagus albopilosus, Pachygaster japonica, Solva fuscitarsis, Solva shikokuana are insects

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NEW PALEARCTIC SPECIES OF THE SUB-FAMILY MEDETERINAE (DIPTERA FAMILY MEDETERINAE DOLICHOPODIDAE). (DIPTERA,

O P Negrobov

Entomol Rev 46(4,OCT-DEC):533-544

Dec 1967 421 R322AE

Catalogs, Dolichopodidae, Insect taxonomy. Russian journal pp. 890-908

21629-68

ON PRESERVING BEETLE LARVAE. (NO)

T Palm

Opusc Entomol 33(1-2):64-68

1968 421 OP7

Coleoptera, Inscet preservation. Larvae. Methodology. English abstract

21630-68

GENERA AND SPECIES OF THE DERMAP-EUDOHRNINAE, TERA. NEOLOBOPHORINAE, ANCISTROGAS-TRINAE, DIAPERASTICINAE AND ANECHURINAE (FORFICULIDAE).

E J Popham

Entomologist (london) 101(1264):196-201

Sep 1968 421 EN8

Dermaptera, Taxonomy, Zoogeography. Article in-cludes: Eudohrninac, Neolobophorinae, Ancis-trogastrinae, Diaperasticinae, Anechurinae.

21631-68

ON STENUS (PARASTENUS) ALPICOLA FAU-VEL AND OTHER DIVERGENTLY EVOLVED PALEARCTIC PARASTENUS-SPECIES (COL., STAPHYLINIDAE). 44. CONTRIBUTION TO THE KNOWLEDGE OF THE STENIDS. (GE)

V Puthz Suomen Hyonteistieteellinen Aikakauskir Ann Entomol Fenn 33(4):226-256 MAP REF 20 Dec 1967 421 SU7

Insect evolution, Insect taxonomy, Staphylinidae, Zoogeography.

21632-68

A STROBOSCOPIC DEVICE FOR THE STUDY OF FLIGHT IN VERY SMALL INSECTS.

D. M. Robinson Entomol Mon Mag (SER 4)99(277-9 JAN-MAR):41-42

1963 421 EN86 Equipment, Insect flight, Insects, Research.

TROMBICULID MITES (ACARIFOR TROMBICULIDAE) FROM THE CRIMEA. (ACARIFORMES.

Ye G Schluger F N Vshivkov Entomol Rev 46(4,OCT-DEC):545-549

Dec 1967 421 R322AE

raphy. English abstract

Catalogs, Insect taxonomy, Trombiculidae. Russian journal pp. 909-915

TRICOPTERA COLLECTED IN SOR-TRON-

DELAG COUNTY. (NO) LO Solem

Norsk Entomol Tidsskr 14(2):65-67 REF 1967 421 N812 Catalogs, Insect taxonomy, Trichoptera, Zoogeog-

21635-68

MEDOCOSTIDAE--A NEW FAMILY OF CIMICOMORPHAN HETEROPTERA BASED ON A NEW GENUS AND TWO NEW SPECIES

FROM TROPICAL AFRICA . I. DESCRIPTIVE PART.

P Stys

Acta Ent Bohemoslov 64(6):439-465

20 Nov 1967 420 C33

Heteroptera, Insect taxonomy. English and Czech abstracts

21636-68

FINNISH ENTOMOLOGICAL LITERATURE PUBLISHED IN 1966, INCLUDING ECONOMIC ENTOMOLOGY AND CONTROL OF INSECT PESTS.

N A Vappula

Suomen Hyonteistieteellinen Aikakauskir Ann Entomol Fenn 34(1A):1-22 REF

28 Mar 1968 421 SU7

Bibliography, Catalogs, Economic entomology, Entomology, Insect control, Literature.

ENDOPHYTUS ANEMONES (HERING) IN FIN-LAND (HYM., TENTHREDINIDAE).

V Vikberg

Suomen Hyonteistieteellinen Aikakauskir Ann Entomol Fenn 33(4):265-268 REF

20 Dcc 1967 421 SU7

Insect taxonomy, Leaf miners, Tenthredinidae.

ON THE SYSTEMATIC POSITION OF ICHNEU-MONIDS OF THE GENERA ODINOPHORA FORSTER AND EXETASTES GRAVENHORST AND DESCRIPTIONS OF NEW SPECIES (HYMENOPTERA, ICHNEUMONIDAE).

G A Viktorov

Entomol Rev 46(4,OCT-DEC):516-518 REF Dec 1967 421 R322AE

Catalogs, lehneumonidae, Insect taxonomy. Russian journal pp. 864-868

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

A Villiers

Inst Fondamental Afr Noire Bull Ser A Sci Natur 29(1):370-374

Jan 1967 515 D14

Catalogs, Insect taxonomy, Pyrrhocoridae, Zoogeography.

21640-68

EXAMINATION OF AFRICAN REDUVIDAE. HARPACTORINAE. GENUS NAGUSTA STAL. (FR)

A Villiers

Inst Fondamental Afr Noire Bull Ser A Sci Natur (SER A)29(2):657-694

Apr 1967 515 D14

Catalogs, Insect taxonomy, Reduviidae, Zoogeography.

CONTRIBUTION TO THE FAUNA OF THE CONGO (BRAZZAVILLE), MISSION A. VILLIERS AND A. DESCARPENTRIES. LIV. HEMIPTERA PLATASPIDAE. (FR)

L. Villiers

Inst Fondamental Afr Noire Bull Ser A Sci Natur (SER A):29(2):807-814

Apr 1967 515 D14

Catalogs, Heteroptera, Insect taxonomy, Zoogeography.

21642-68

A COLLECTION OF SPIDERS FROM SON NORWAY.

P F Waaler

Norsk Entomol Tidsskr 14(2):91-93

1967 421 N812

Catalogs, Insect ecology, Insect taxonomy, Spiders.

21643-68

WHAT IS A BEE.

G M Walton

New Zeal J Agr 114(1):53

Jan 1967 23 N48J

Apidae, Bees, Economic entomology, Hymenoptera, Insect ecology, Insect identification.

A brief description is given of New Zealands bees and wasps, including morphology, ecology and economic values.

21644-68

MIMICRY IN PLANTS AND ANIMALS.

W Wiekler

255P. MCGRAW-HILL, NEW YORK

1968 QH546.W53

Animals, Insects, Mimiery, Plants. Translated from German by R. D. Martin, includes insects.

HETEROPTERA BEATEN FROM BLACKCUR-RANTS AT LONG ASHTON RESEARCH STA-TION IN 1967.

J A Wightman

Entomologist (london) 101(1264):202-204

Scp 1968 421 EN8

Cimicidae, Currants, Heteroptera, Miridae, Pentatomidae, Taxonomy, Tingidae, Zoogeography.

21646-68

GEOMETRIDAE, NEW FOR TURK DISCOVERED IN 1939-42 BY J. ROMIEUX. TURKEY. F P Wiltshire

Entomol Gesell Basel 14(6,NOV-DEC):151-153 Dec 1964 O0L461.0E58

Entomology, Geometridae, Insect identification, Insect taxonomy. German summary

21647-68

MORPHOLOGY OF THE MALE PINK SUGAR-CANE MEALYBUG, SACCHARICOCCI SACCHARI CKLL. (PSEUDOCOCCIDA HOMOPTERA)--PART II. APTEROUS FORM. SACCHARICOCCUS (PSEUDOCOCCIDAE:

R L Yadava

Agra Univ J Res Sci 16(PT 1):101-133 Jan 1967 513 AG8

Inseet morphology, Saceharicoceus sacchari.

21648-68

A NEW GENUS AND THREE NEW SPECIES OF STONEFLIES (PLECOPTERA) FROM CAUCASUS AND CRIMEA.

L A Zhil'tsova

Entomol Rev 46(4,OCT-DEC):505-509 Dec 1967 421 R322AE

Insect taxonomy, Plecoptera. Russian journal pp. 850-856

PHYSIOLOGY AND BIOCHEMISTRY

21649-68

PORPHYRINIA PURPURINA HB. (LEP., NOC-TUIDAE), NEW FOR FINLAND. (FI)

J Alvas

Suomen Hyonteistieteellinen Aikakauskir Ann Entomol Fenn 33(2):112-113 30 Aug 1967 421 SU7 Noctuidae, Zoogeography.

21650-68

MORTALITY DUE TO BACILLUS THURIN-GIENSIS IN POST-LARVAL STAGES OF SOME LEPIDOPTERA.

T A Angus

Entomol Soc Ontario Proc 95:133-134 1964 420 ON8

Bacillus thuringiensis, Bacteria, Larvae, Lepidoptera, Mortality, Research, Spraying.

CONTRIBUTION TO STUDIES OF ZEUZERA 'ZEUZERA PYRINA' L. (LEPIDOPTERA COSSIDAE) IN THE LOWER VALLEY OF THE RHINE: THE LIFE CYCLE AND BIOLOGICAL CHARACTERISTICS OF DIFFERENT STAGES.

H Audemard Rev Zool Agr Appl 66(7-9, 3RD TRIMESTER):65-91 REF 1967 410.9 SO12

Cossidac, Insect biology, Life cycle, Zcuzera pyrina.

21652-68

CROP POLLINATION AND THE FLOWER RELATIONSHIPS OF THE WILD BEES OF LUDHIANA, INDIA (HYMENOPTERA: LUDHIANA, APOIDEA).

S W T Batra

Kans Entornol Soc J 40(2):164-177

Apr 1967 420 K13

Aging, Bees, Climate, Crops, Insect behavior, Inseet identification, Pollination.

SLOW AND SPIKE POTENTIALS RECORDED FROM RETINULA CELLS OF THE HONEYBEE DRONE IN RESPONSE TO LIGHT,

J Gen Physiol 52(6):855-875 REF

Dec 1968 447.8 J822

Apidae, Apis mellifera, Bees, Insect physiology, Light, Phototropism, Retina.

21654-68

HYMENOPTERA ASSOCIATED WITH ELM BARK BEETLES IN WYTHAM WOOD, BERKS. R A Beaver

Soc Brit Entomol Trans 17(PT 6):141-150 REF Aug 1967 420 SO15

Hymenoptera, Parasitie insects, Scolytidae, Scolytus multistriatus.

LARVAL DIAPAUSE IN THE TICK IXODES RICINUS L. AND ITS DEPENDENCE ON EXTERNAL CONDITIONS. IV. INTERACTION BETWEEN EXOGENOUS AND ENDOGENOUS FACTORS IN THE REGULATION OF LARVAL DIAPAUSE.

V N Belozerov

Entornol Rev 46(4,OCT-DEC):447-451 REF

Dec 1967 421 R322AE

Diapause, Environment, Insect biology, Ixodes ricinus, Larvac, Metamorphosis, Photoperiodism, Temperature. Russian journal pp. 760-768

21656-68

WEATHER CONDITIONS AND DAILY ACTIVI-TY OF DRAGONFLIES (ODONATA).

B F Belyshev

Entomol Rev 46(4,OCT-DEC):457-460

Dcc 1967 421 R322AE

Insect ecology, Insect flight, Odonata, Weather. Russian journal pp. 778-783

21657-68

INTRODUCING QUEEN BEES.

F S Benecke

Agr Gaz New S Wales 78(PT 9):513-516 Sep 1967 23 N472

Apiculture, Methodology, Queen bees. Methods of introducing queen bees into bee colonics in Australia are discussed.

DEVELOPMENT OF SAMPLING TECHNIQUES AND LIFE TABLES FOR THE FIR ENGRAVER SCOLYTUS VENTRALIS (COLEOPTERA: SCOLYTIDAE).

A A Berryman

Can Entomol 100(11):1138-1147 REF

Nov 1968 421 C16

Colcoptera, Population, Aging, Sampling (statistics), Scolytidae, Scolytus ventralis.

INFLUENCE OF SOIL HUMIDITY ON THE LO-CATION IN DEPTH OF THE GALLEY BEET WORM DURING A FAVORABLE SEASON. (FR

J Biernaux

Gembloux Inst Agron Etat Bull 3(2):234-240 1968 105.1 G285

Diplopoda, Insect eeology, Soil moisture, Sugar

Millipedes of sugar-beets (Blaniulus guttulatus

21660-68

Bosc. and Archiboreaiulus pallidus Br. Bx.) avoid soils with less than 110 water content but readily dwell in soils with more than 130 water content.

OBSERVATIONS ON THE HIBERNATION OF PSILA ROSAE F. (FR)

1 Biernaux

Gembloux Inst Agron Etat Bull 3(2):241-248 RFF

1968 105.1 G285

Diapause, Larvae, Metamorphosis, Psila rosae, Pupae. English, German and Afrikaan abstract

The hibernating larvae of Psila rosae developed into adults faster than the diapausing pupae.

BREEDING INSECTS WITH ARTIFICIAL FOOD. (GE)

M Boness

Umschau 68(18):561

29 Aug 1968 474 UM7

Breeding, Food, Insect pests, Insect rearing, Leaves, Methodology, Plant extracts.

21662-68

THE METHOD OF ACTION OF THE DARK AND LIGHT PHASES ON THE PRODUCTION OF WINGED GYMNOSPORES OF DYSAPHIS PLANTAGINEA PASS. (HOMOPTERA, APHIDIDAE). (FR)

L. Bonnemaison

Acad Sci Compt Rend Ser D Sci Nat (SER D)267(2, 2ND SEMESTER):218-220

08 Jul 1968 505 P21

Diurnal rhythm, Dysaphis plantaginea, Hormones, Insect physiology, Wings (insects).

21663-68

NOTES ON BIVOLTINISM IN THE LESSER PEACH TREE BORER, SYNANTHEDON PIC-TIPES (G AND R).

H R Boyce

Entomol Soc Ontario Proc 95:139

1964 420 ON8

Environment, Larvae, Plant cuttings, Reports, Research, Synanthedon pictipes.

THE LARVAE AND PUPAE OF THE BRITISH CYLINDROTOMINAE AND LIMONIINAE (DIP-TERA, TIPULIDAE).

A Brindle

Soc Brit Entomol Trans 17(PT 7):151-216 REF Aug 1967 420 SO15

Catalogs, Insect ecology, Insect morphology, Larvae, Pupae, Tipulidae.

EFFECTS OF ALTERING THE COMPOSITION AND VOLUME OF THE HAEMOLYMPH ON WATER INGESTION OF THE BLOWFLY, LU-CILIA CUPRINA.

L B Browne

J Insect Physiol 14(11):1603-1620

Nov 1968 421 J825

Consumption, Hemolymph, Insect physiology, Lucilia cuprina, Research, Sodium chloride, Water.

21666-68

BIOSYNTHESIS AND OCCURRENCE OF FREE AMINO ACIDS IN EGGS OF GRASSHOPPER, AULOCARA ELLIOTTI.

D E Bunde J H Pepper

J Insect Physiol 14(11):1635-1649 REF

Nov 1968 421 J825

Amino acids, Aulocara elliotti, Chromatography, Culture media, Insect eggs, Insect rearing, Mctabolism, Population, Radioactivity.

SIGNIFICANCE OF THE TIME FACTOR IN THE IRRADIATION OF IMAGO INSECTS (EX-PERIMENTS ON GRANARY WEEVILS).

I B Bychkovskaya G K Ochinskaya T P Volynova Radiobiology 8(2):93-98 REF

Nov 1968 442.8 R11AE

Chemical control (insects), Cureulionidac, Insect physiology, Irradiation, Larvae, Mortality, Time. Russian journal- vol.8(2):235-238, 1968

THE AUSTRALIAN PLAGUE LOCUST CHOR-TOICETES TERMINIFERA.

M Casimir

Agr Gaz New S Wales 78(PT 11):626-632

Nov 1967 23 N472

Chemical control (insects), Chortoicetes terminifera, Insect outbreak forecasting, Life cycle, Lindane, Spraying,

The life cycle and habits of Chortoieetes terminifera, the Australian plague locust and its chemical control and outbreak forecasting are discussed

21669-68

ECOLOGY OF GOMPHOMASTAX CLAUATA PLOTNIKOVI C. BOL. (ORTHOPTERA EU-MASTACIDAE).

M Ye Chernvakhovskiv

Entomol Rev 46(4,OCT-DEC):452-456

Dec 1967 421 R322AE

Acrididae, Food habits, Insect behavior, Insect ecology, Insect physiology, Life cycle, Zoogeography. Russian journal pp. 769-777

THE RELIABILITY OF A METHOD OF SAM-PLING STREAM INVERTEBRATES.

F M Chutter R G Noble

Arch Hydrobiol 62(1):95-103

May 1966 410 AR28

Ecology, insects. Aquatic Invertcbrates. Methodology, Sampling (statistics), Surveys.

THE MODIFICATION OF ADULT LIFE SPAN IN BRACON HEBETOR (HYMENOPTERA: BRACONIDAE) BY IRRADIATION NITROGEN.

A M Clark R E Smith

Entomol Soc Amer Ann 61(2):541-542 REF 15 Mar 1968 420 EN82

Air, Bracon hebetor, Braconidae, Gamma rays, Insect behavior, Longevity, Nitrogen, X-rays.

LOCALIZATION AND DESCRIPTION OF STRETCH RECEPTORS AT THE LEVEL OF THE TIBIO-FEMORAL JOINT OF THE JUMP-ING LEG OF THE CRICKET, SCHISTOCERCA GREGARIA. (FR)

J P Coillot J Boistel

J Insect Physiol 14(11):1661-1667 REF

Nov 1968 421 J825

Cells, Insect histology, Insect morphology, Insect physiology, Joints, Legs, Locomotion, Schistocerea gregaria. English summary

21673-68

WARNING SOUNDS OF MOTHS.

D Covalt-Dunning

Z Tierpsychol 25(2):129-138 REF

Mar 1968 410 Z35

Bats, Insect behavior, Moths, Stridulation. German

21674-68

FOUR IMPORTANT BEE DISEASES.

N A Cutts

Agr Gaz New S Wales 78(PT 12):698-702

Dec 1967 23 N472

Apiculture, Apis mellifera, Bee diseases, Foul-brood, Nosema disease, Paralysis, Saebrood, Sanitation control (insects).

Economic importance, causal organisms, symptoms and control methods for four bee diseases in Australia are discussed.

THE EFFECTS OF HIGH TEMPERATURES ON GREENBUG, REPRODUCTION. SCHIZAPHISGRAMINUM,

N E Daniels

Kans Entomol Soc J 40(2):133-137

Apr 1967 420 K13

Aging, Laboratories, Reproduction, Research, Schizaphis graminum, Temperature.

21676-68

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

1 Decelle

Inst Fondamental Afr Noire Bull Ser A Sci Natur 29(1):344

Jan 1967 515 D14

Colcoptera, Insect taxonomy, Zoogeography.

21677-68

SOURCES OF LARVAL SALIVARY GLAND SECRETION SECRETION IN THE CHIRONOMUS TENTANS. DIPTERAN

D Doyle H Laufer

J Cell Biol 40(1):61-78 REF

Jan 1969 442.8 J828

Chironomidae, Chironomus tentans, Larvae, Proteins, Salivary glands (insects), Secretion.

THE ROLE OF SOIL ARTHROPODS IN COM-MUNITY ENERGETICS.

M D Engelmann

Amer Zool 8(1):61-69 REF

Feb 1968 410 AM3

Arthropoda, Insect ecology, Soil insects, Surveys.

21679-68

SEXUAL REPRODUCTION OF 'GREEN PEACH APHID' MYZUS PERSICAE (SULZ) IN MEN-DOZA (ARGENTINA). (SP)

J C Espul P S Mansur

Rev Invest Agr Ser 5, Patol Veg 5(6):63-71

1968 464 8 R322

Insect physiology, Myzus persicae, Reproduction, Sex. English abstract

RESPONSE CHARACTERISTICS AND PROBABLE BEHAVIOURAL ROLES FOR AB-BLE BEHAVIOURAL ROLES FOR AB-DOMINAL VIBRATION RECEPTORS OF SOME COCKROACHES.

G J Florentine

J Insect Physiol 14(11):1577-1588 REF

Nov 1968 421 J825

Abdomen, Insect behavior, Insect physiology, Insect respiration, Leucophaea maderae, Nauphoeta cinerea, Periplaneta americana, Research, Vibra-

21681-68

RESEARCH ON FOREST ECOSYSTEMS, SERIES B: THE MIXED CALCIFIED OAK-GROVE OF VIRELLES-BLAIMONT. CONTRIBUTION NO. 19 INSECT COLLECTIONS IN TUBES OF WATER. (FR.)

C Gaspar S Krzelj C Verstraeten F Wolf Gembloux Inst Agron Etat Bull 3(2):294-300 1968 105.1 G285

Diptera, Forests, Hymenoptera, Insect collecting equipment, Insect ecology, Quercus. French ab-

21682-68

A WAXED-PAPER LABORATORY CAGE FOR STERILIZATION STUDIES WITH THE ORIENTAL FRUIT MOTH, GRAPHOLITHA MOLESTA (BUSCK) (LEPIDOPTERA: TOR-TICIDAE).

J A George M G Howard

Entomol Soc Ontario Proc 95:146-147

1964 420 ON8

Fertility, Gamma rays, Grapholitha molesta, Insect Laboratories, Morphology, Research, Sterilization.

21683-68 **OUANTITATIVE RELATIONSHIPS BETWEEN** FLEAS AND RODENTS IN A HAWAIIAN CANE FIELD.

G E Haas

Pacific Sci 23(1):70-82 REF

Jan 1969 475 PI1

Host relationships, Quantitative analysis, Rodents, Siphonaptera, Sugarcane.

21684-68

BIOCHEMICAL LOOK AT INSECT DIAPAUSE.

D K Hayes

Entomol Soc Amer Bull 14(2):108-111 REF Jun 1968 423.9 EN8

Biochemistry, Biological control (insects), Cells, Insect eggs, Insect morphology, Insecticides, Metabolism, Reproduction, Temperature, Viscera.

21685-68

THE BIONOMICS AND ECOLOGY OF ANTHOCORIS CONFUSUS REUTER IN SCOT-LAND.

A R Hill

Soc Brit Entomol Trans 18(PT. 3):35-48

Dec 1968 420 SO15

Anthocoridae, Demography, Insect ecology.

21686-68

EPIZOOTIOLOGICAL RESEARCH ON MILKY DISEASE CAUSED BY BACILLUS POPILLIAE (MELOLONTHA). (FR)

B Hurpin

Ann Epiplyt 18(2):127-173 REF

1967 464.9 F84AN

Bacillus popilliae, Bacteria, Insect diseases, Milky disease, Research. English summary

21687-68

THE FINE STRUCTURE OF THE GASTRIC CAECA OF AEDES AEGYPTI LARVAE.

J C Jones V H Zeve

J Insect Physiol 14(11):1567-1575 REF Nov 1968 421 J825

Absorption, Aedes aegypti, Gastrointestinal system, Insect physiology, Microscopy, Mitochondria, Muscles.

21688-68

A LIST OF SINHALESE APHIDS (HEM., APHIDIDAE).

E Judenko V F Eastop

Entomol Mon Mag (SER 4)99(277-9,JAN-

MAR):62-63

1963 421 EN86

Aphididae, Insect names, Insect taxonomy, Myzus persicae, Traps.

21689-68

ICHNEUMONOLOGICAL (HYM.) REPORTS FROM FINLAND I.

R Jussila

Suomen Hyonteistieteellinen Aikakauskir Ann Entomol Fenn 33(2):107-112 REF 30 Aug 1967 421 SU7

Ichneumonidae, Insect taxonomy.

Three species of Ichneumonid wasps new to Finland are taxonomically described.

SYNANTHEDON FLAVIVENTRIS STGR. (LEP., AEGERIIDAE) FOUND IN SUOMESTA. (FI) J Kaisila

Suomen Hyonteistieteellinen Aikakauskir Ann Entomol Fenn 33(2):125-129 MAP REF 30 Aug 1967 421 SU7

Insect ecology, Synanthedon, Zoogeography. German abstract

21691-68

STUDIES ON THE OLFACTORY STIMULI GUIDING THE BARK BEETLE BLASTOPHAGUS PINIPERDA L. (COLF TERA, SCOLYTIDAE) TO ITS HOST TREE. (COLEOP-

E Kangas V Perttunen H Oksanen

Suomen Hyonteistieteellinen Aikakauskir Ann Entomol Fenn 33(3):181-211 REF 02 Nov 1967 421 SU7

Chemoreceptors, Insect biology, Pinus sylvestris, Plant biochemistry, Scolytidae.

21692-68

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

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

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

Biochemistry, Blood proteins, Calliphora stygia, Calliphoridae, Larvae, Metamorphosis.

EFFECTS OF PARENTAL AGE ON THE LIFE CYCLE OF THE SOUTHERN GREEN STINK BUG, NEZARA VIRIDULA L. (HETEROPTERA: PENTATOMIDAE.

K Kiritani K Kimura

Appl Entomol Zool 2(2):69-78 REF

Jun 1967 SB599.A6

Aging, Insect eggs, Insect morphology, Insect physiology, Metamorphosis, Nezara viridula, Research.

21694-68

THE PRESENT DISTRIBUTION HYLOTRUPES BAJULUS L. (COL., CERAM-BYCIDAE) IN NORWAY AND ITS ABUNDANCE IN SOME DISTRICTS.

P Knudsen A Bakke

Norsk Entomol Tidsskr 14(2):94-102 MAP REF 1967 421 N8I2

Cerambycidae, Demography, Insect ecology, Zoogeography.

21695-68

ACTION OF INSECT HORMONES ON THE FATE OF C-GLUCOSE IN THE DIAPAUSING, BRAINLESS PUPA OF SAMIA CYNTHIA PRYERI (LEPIDOPTERA: SATURNIIDAE).

M Kobayashi S Kimura M Yamazaki Appl Entomol Zool 2(2):79-84 REF

Jun 1967 SB599.A6

Brain, Glucose compounds, Hormones, Insect morphology, Insect physiology, Metabolism, Samia cynthia pryeri, Tables (data).

A PROBLEM IN THE DIAGNOSIS OF HEAD LICE.

F W Kutz

Entomol News (philadelphia) 80(1):27-28 Jan 1969 421 EN88

Diagnosis, Insect identification, Pediculus humanus capitis, Public health.

BIOLOGY OF THE BLACK WIDOW SPIDER, LATRODECTUS HASSELTI THORELL (ARANEIDA: THERIDIIDAE).

B. L. Lariaso

Philippine Agr 51(2):171-180 REF

Jul 1967 25 P542

Insect rearing, Latrodectus, Life cycle, Oviposition, Sex behavior.

THE NEUROSECRETORY CELLS OF THE BRAIN OF AEDES AEGYPTI IN RELATION TO LARVAL MOLT, METAMORPHOSIS AND OVARIAN DEVELOPMENT.

J R Larsen A Broadbent

Amer Microscop Soc Trans 87(4):395-410 REF Oct 1968 440.9 AM33

Aedes aegypti, Histochemistry, Insect physiology, Metamorphosis, Nervous system, Ovaries.

DEVELOPMENTAL INTERACTIONS IN THE DIPTERAN SALIVARY GLAND.

Amer Zool 8(2):257-271 REF

May 1968 410 AM3

Biochemistry, Chironomidae, Chromosomes, Insect histology, Insect physiology, Salivary glands (insects).

21700-68

CRICKET NUTRITION: SUPPLEMENTATION OF GRASS BY KNOWN NUTRIENTS.

T D Luckey P C Stone

J Insect Physiol 14(11):1533-1538 REF

Nov 1968 421 J825

Acheta domesticus, Blattella germanica, Diet, Experimental insects, Food additives, Grasses, Insect nutrition, Insect physiology.

2170I-68

DISTRIBUTION AND ADAPTIVE DIVERSITY OF TRAPDOOR SPIDERS.

B Y Main

Australian Natur Hist 16(2):49-53

Jun 1968 475 AU7

Aging, Ctenizidae, Habitats, Insect behavior, Insect dissemination, Predaceous insects.

THE RATE OF PASSAGE OF FOOD AND THE EFFECT OF TEMPERATURE IN TWO NOCTUID CATERPILLARS.

L M L Mathur

Ann Zool 5(6):57-64

23 May 1967 410 AN78

Digestion, Food habits, Insect physiology, Noctuidae, Temperature.

TERRITORIAL BEHAVIOR OF BARK-BEETLE MALES.

J H McGhehey

Can Entomol 100(11):1153

Nov 1968 421 C16

Insect behavior, Scolytidae.

ARE HYLEMYA CILICRURA AND HYLEMYA LITURATA TWO SEPARATE SPECIES.

D G R McLeod

Entomol Soc Ontario Proc 95:140-142

1964 420 ON8

Culture media, Diet, Hylemya cilicrura, Hylemya liturata, Insect cages, Laboratories, Research.

ON MY ACQUAINTANCE WITH MIDDLE AND NORTHERN EUROPEAN SPECIES OF THE GENUS PSENULUS KOHL (HYM., SPHE-COIDEA). (GE)

A K Merisuo

Suomen Hyonteistieteellinen Aikakauskir Ann Entomol Fenn 33(3):151-154

02 Nov 1967 421 SU7

Hymenoptera, Insect taxonomy, Zoogeography.

STUDIES ON BIOLOGY OF BANMALIKA LEAF MINOR (AGROPISTIS LIMATUS, MOTH, COLEOPTERA, HALTICIDAE.) A SERIOUS PEST OF BANMALIKE (JASMINUM AQUESTIFOLIUM, VOHL.) IN RAJASTHAN. V P Mital

Agra Univ J Res Sci 16(PT 1):89-91

Jan 1967 513 AG8

Chrysomelidae, Insect biology, Leaf miners, Plant diseases.

STABILITY OF CHILO IRIDESCENT VIRUS. (JA)

J Mitsuhashi K Koyama

Jap J Appl Entomol Zool 11(4):177-181

Dec 1967 475 J27 Chemicals, Chilo, Iridescent virus, Research, Storage, Temperature. English summary

21708-68

THE EFFECT OF AGE, SKF 525- A HYDROCHLORIDE, AND CHLORCYCLIZINE DIHYDROCHLORIDE ON THE TOXICITY OF PARATHION TO ADULT ALKALI BEES, NOMIA MELANDERI CKLL.

M J Moradeshaghi

Diss Abstr Sect B 29(5):1722B

Nov 1968 Z5055.U49D53

21709-68

Aging, Bces, Chlorides, Hydrogen, Nomia melanderi, Parathion, Toxicology.

HOW FLIES FLY. (GE)

W Nachtigall

Kosmos 64(10):434-437

Oct 1968 474 K842

Coleoptera, Diptera, Grasshoppers, Insect anatomy, Insect behavior, Insect dissemination, Insect flight, Mechanization, Muscles, Nervous system.

A CYTOLOGICAL STUDY OF CHANGES IN THE FAT BODY OF TROGODERMA GRANARIUM DURING METAMORPHOSIS, WITH SPECIAL REFERENCE TO THE PROTEINACEOUS GLOBULES.

K S S Nair G K Karnavar

J Insect Physiol 14(11):1651-1659 REF

Nov 1968 421 J825

Cytology, Fat body, Insect morphology, Insect physiology, Metamorphosis, Proteins, Research, Trogoderma granarium.

STUDIES ON THE FEEDING BEHAVIOR OF GREEN RICE LEAFHOPPER, NEPHOTETTIX CINTICEPS UHLER. II. PROBING FREQUENCY OF THE ADULT LEAFHOPPER. (JA)

A Naito I Masaki

Jap J Appl Entomol Zool 11(4):150

Dec 1967 475 J27

Environment, Feeding, Insect behavior, Laboratories, Nephotettix cincticeps, Research. English summary

21712-68

THE REINFORM ON **NEMATODE** ROTYLENCHULUS NICOTIANA (YOKOO ET TANAKA, 1954) N. COMB. IN JAPAN (TYLENCHIDA: HOPLOLAIMIDAE). (JA)

K Nakasono M Ichinohe

Jup J Appl Entomol Zool 11(4):169-176 REF Dec 1967 475 J27

Anatomy, Crops, Insect identification, Insect names, Research, Rotylenchulus nicotiana. English summary

21713-68

ACID PHOSPHATASE ACTIVITY IN THE DIGESTIVE SYSTEM OF THE DESERT LOCUST SCHISTOCERCA GREGARIA (FOR-SKAL).

S N H Naqui S H Ashrafi M A H Qadri Australian J Biol Sci 21(5):1047-1052 REF Oct 1968 442.8 AU72

Acid phosphatase, Biochemistry, Gastrointestinal system, Insect physiology, Schistocerca gregaria.

ECOLOGICAL STUDIES OF CERTAIN NATU-RAL MORTALITY FACTORS OF THE SUGAR-CANE BORER, DIATRAEA SACCHARALIS (FABRICIUS) IN LOUISIANA.

A A G Negm

Diss Abstr Sect B 29(5):1722B

Nov 1968 Z5055.U49D53

Diatraea saccharalis, Ecology, Insect physiology, Mortality, Research, Sugarcane.

FIELD OBSERVATIONS ON THE ROOSTING BEHAVIOR OF THE AFRICAN MIGRATORY LOCUST (LOCUSTA MIGRATORIA MIGRA-TORIOIDES R. AND F.) IN THE SOLITARY PHASE.

B Nickerson

Entomol Mon Mag (SER 4)99(277-9,JAN-MAR):51-53

1963 421 EN86

Habitats, Insect behavior, Locusta migratoria migratorioides, Research.

21716-68

ON THE HABITATS OF SOME LONCHAEA SPECIES FENNOSCANDIA (DIPT., LONCHAEIDAE). M Nuorteva

Suomen Hyonteistieteellinen Aikakauskir Ann Entomol Fenn 33(2):118-121

30 Aug 1967 421 SU7

Diptera, Habitats, Insect ecology, Insect rearing.

STUDIES ON THE POSSIBILITIES OF USING BLOWFLIES (DIPT.) AS MEDICOLEGAL IN-DICATORS IN FINLAND. I. REPORT OF FOUR INDOOR CASES FROM THE CITY OF HELSIN-KI.

P Nuorteva M Isokoski K Laiho

Suomen Hyonteistieteellinen Aikakauskir Ann Entomol Fenn 33(4):217-225 REF

20 Dec 1967 421 SU7

Autopsies, Calliphoridae, Death, Insect physiology, Medical entomology.

21718-68

CHANGES IN THE RESPIRATORY METABOL-ISM OF RHODNIUS PROLIXUS AS INDUCED BY TEMPERATURE.

A Y K Okasha

J Insect Physiol 14(11):1621-1634 REF

Nov 1968 421 J825

Feeding, Insect metabolism, Insect physiology, Insect respiration, Larvae, Rhodnius prolixus, Tem-

21719-68

THE APPEARANCE AND DISTRIBUTION OF EPICUTICULAR INFRAMICROSCOPIC FOR-MATIONS OF THREE COLLEMBOLES. (FR)

Acad Sci Compt Rend Ser D Sci Nat (SER D)267(2, 2ND SEMESTER):214-217

08 Jul 1968 505 P21

Biochemistry, Collembola, Cuticle, Insect histolo-

21720-68

ANTS.

G Pasfield

Agr Gaz New S Wales 78(PT 2):105-109 Feb 1967 23 N472

Catalogs, Chemical control (insects), Formicidae.

Nuisance species of ants in Australia and their controls are discussed.

21721-68

THE ORGANIZATION OF THE SAR-COPLASMIC RETICULUM AND T SYSTEM IN THE FEMORAL MUSCLE OF THE HOUSEFLY, MUSCA DOMESTICA.

I Pasquali-Ronchetti

J Cell Biol 40(1):269-273 REF

Jan 1969 442.8 J828

Electron microscopy, Insect histology, Musca domestica, Muscles.

21722-68

THE ARTHROPOD FAUNA ASSOCIATED WITH THE BIRCH BRACKET FUNGUS POLYPORUS BETULINUS, IN EASTERN CANADA.

D P Pielou A N Verma

Can Entomol 100(11):1179-1199

Nov 1968 421 C16

Arthropoda, Betula, Fungus diseases (plants), Insect behavior, Polyporus betulinus.

21723-68

BIOLOGY OF APIS DORSATA F.

H A Qayyum N Ahmad

Pakistan J Sci 19(3):109-113

May 1967 475 P172

Apis dorsata, Insect biology, Queen bees. English abstract

21724-68

CUTICULAR ESTERASE IN THE STERNAL GLAND OF CALOTERMES FLAVICOLLIS F. (ISOPTERA, TERMITIDAE). (FR)

A Quennedey C Noirot Acad Sci Compt Rend Ser D Sci Nat (SER D)266(26, 2ST SEMESTER):2456-2458 24 Jun 1968 505 P21

Enzymes, Esterases, Glands (insects), Insect histology, Termites.

21725-68

ON THE EXISTENCE OF CELLS WITH VACUOLES IN THE BRAIN OF MUSCA DOMESTICA L. (FR)

F Ramade

Acad Sci Compt Rend Ser D Sci Nat (SER D)266(26, 2ST SEMESTER):2437-2440 24 Jun 1968 505 P21

Brain, Cytology, Insect histology, Musca domestica

21726-68

CROSS-BRIDGES AND PERIODS IN INSECT FLIGHT MUSCLE.

M K Reedy

Amer Zool 7(3):465-481 REF

Aug 1967 410 AM3

Belostomatidae, Electron microscopy, Insect physiology, Muscles, Myosins. PHS 2F2-NB-21075-02 and 03

21727-68

BUPRESTIS AURULENTA (COL., BUPRESTIDAE) IN IRELAND.

G Roche

Entomol Mon Mag (SER 4)99(277-9,JAN-MAR):42

1963 421 EN86

Buprestis aurulenta, Insect identification. Research, Timber.

21728-68

REARING OF CATERPILLARS OF THE EU-DEMIS MOTH (LOBESIA BOTRANA SCHIFF.) ON SOME SUBSTITUTED NATURAL FOODS.

R Roehrich

Rev Zool Agr Appl 66(7-9, 3RD TRIMESTER):111-115

1967 410.9 SO12

Color, Feeding, Grapes, Insect rearing, Olethreutidae, Polychrosis botrana.

21729-68

SEX PHEROMONE SPECIFICITY TESTS IN THE TORTRICIDAE--AN INTRODUCTORY RE-PORT.

W L Roclofs K C Feng

Entomol Soc Amer Ann 61(2):312-316 REF 15 Mar 1968 420 EN82

Epithelium, Glands (insects), Hormones, Insect histology, Lepidoptera, Pheromones, Tortricidae.

21730-68

CONTRIBUTION TO THE DEVELOPMENT OF THE ANTERIOR HEAD AND THE MOUTH REGION OF PERIPLANETA AMERICANA. (GE)

1 Rohrschneider Zool Jahrbucher Abt Allg Zool Physiol Tiere 85(4):537-578 REF

1968 410 Z751Z

Head, Insect histology, Insect morphology, Mouth parts, Periplaneta americana. English abstract

TERRITORIALITY IN THE SHEET-WEB SPIDER LINYPHIA TRIANGULARIS (CLERCK) (ARANEAE, LINYPHIIDAE).

R S Royner

Z Tierpsychol 25(2):232-242 REF

Mar 1968 410 Z35

Insect behavior, Insect ecology, Linyphia triangularis, Research, Social insects, Spiders. German summary

21732-68

ATP-DRIVEN OSCILLATION OF GLYCEROL-EXTRACTED INSECT FIBRILLAR MUSCLE: MECHANO-CHEMICAL COUPLING.

J C Ruegg

Amer Zool 7(3):457-464 REF

Aug 1967 410 AM3

Adenosine triphosphates. Belostomatidae, Biochemistry, Insect flight, Insect physiology, Muscles.

21733-68

ULTRASTRUCTURE OF MOTH ALARY MUSCLES AND THEIR ATTACHMENT TO THE HEART WALL.

J W Sanger F V McCann

J Insect Physiol 14(11):1539-1544 REF

Nov 1968 421 J825

Cells, Dorsal vessel, Hyalophora cecropia, Insect anatomy, Insect physiology, Muscles.

RESEARCH ON BIOLOGICAL PEST CON-TROL. (GE)

F Scherney E Naton H D Mueller Gesunde Pflanzen 20(10):219-223 REF

Oct 1968 464.8 G33

Attractants, Biological control (pests), Insects, Integrated control (insects), Parasitism, Research,

21735-68

MAIN CURRENTS IN RESEARCH CONCERN-ING STERILIZATION METHODS OF INSECTS.

E M Schumakon

Pflanzenschutzberichte 38(12):157-165 REF

Oct 1968 464.9 P48

Biological control (insects), Breeding, Chemosterilants, Insect genetics, Insect rearing, Population, Research, Sterilization. Report given to 6th Int. Congress for Plant Protection, vienna 1967, english summary

21736-68

BETTER BEEKEEPING: THE SUMMER ROU-TINE.

S Singh

Indian Farming 16(3):28-29

Jun 1966 22 IN283

Apiculture, Bee behavior.

BETTER BEE--KEEPING:II. MONSOON MEA-SURES AND AUTUMN NEEDS.

S Singh

Indian Farming 16(5):22

Aug 1966 22 IN283

Apiculture, Climate.

21738-68

COMPETITION BETWEEN INSECT SPECIES. (TU)

M N Sisli

Bitki Koruma Bulteni 6(3):111-118 REF 1966 464.8 B542

Competition, Entomology, Insects, Research.

RING GLAND TRANSPLANTATIONS AND BODY WEIGHT IN DROSOPHILA.

K C Sondhi

J Insect Physiol 14(11):1553-1557 REF Nov 1968 421 J825

Drosophila melanogaster, Experimental insects, Glands (insects), Hormones, Injections, Insect physiology, Temperature, Transplanting.

21740-68

ADULT DESCRIPTION OF THE TETRANYCHUS TELARIUS L. (ACARINA, TETRANYCHIDAE).

B K Srivastava L M L Mathur

Entomol Mon Mag (SER 4)99(277-9,JAN-

MAR):4-6

1963 421 EN86

Crop yields, Cuticle, Geography, Insect identification, Morphology, Research, Tetranychus telarius.

21741-68

ON ALKALINE THE AND PHOSPHATASE IN THE ALIMENTARY TRACT OF PERIPLANETA AMERICANA L. (BLAT-TARIA: BLATTIDAE).

J P Srivastava S C Saxena Appl Entomol Zool 2(2):85-92 REF Jun 1967 SB599.A6

phosphatasc, Alkaline phosphatase, Biochemistry, Digestion, Gastrointestinal system, Hydrogen-ion concentration, Insect physiology, Periplaneta americana, Research, Salivary glands (insects).

21742-68

BIOLOGY OF THE **GALL-FORMER** PROCECIDOCHARES STONEI ON A COM-POSITE.

M J Tauber C A Tauber

Entomol Soc Amer Ann 61(2):553-554 REF

15 Mar 1968 420 EN82

Chrysothamnus viscidiflorus, Gall-making insects, Insect biology, Procecidochares stonei.

PHARMACOLOGY PROPERTIES OF THE TOXINS IN THE VENOM OF THE SCORPION (ANDROCTONUS AUSTRALIS). (FR)

F Tazieff-Depierre

Acad Sci Compt Rend Ser D Sci Nat (SER D)267(2, 2ND SEMESTER):240-243

08 Jul 1968 505 P21

Biochemistry, Pharmacology, Scorpionida, Toxins, Venoms.

21744-68

NEW SPECIES OF THE SUB-FAMILY BOMBINAE OF THE PALAEARCTIC REGION (HYMENOPTERA, APOIDEA). (GE)

B Tkalcu

Acta Ent Boltemoslov 1(65):21-51 REF

1968 420 C33

Bombinae, Entomology, Insect identification, Insect taxonomy.

21745-68

CHANGES IN THE ACID-SOLUBLE NUCLEO-TIDES DURING THE PUPAL DEVELOPMENT OF THE RICE STEM BORER, CHILO SUP-PRESSALIS WALKER (LEPIDOPTERA: PYRALIDAE).

S Tojo C Hirano

Appl Entomol Zool 2(2):93-99 REF

Jun 1967 SB599.A6

Acids, Biochemistry, Chilo suppressalis, Chromatography, Insect morphology, Metamorphosis, Nucleotides, Pupae.

21746-68

RANGE OF HOST PLANTS AND LARVAL FEEDING IN PHYTOMYZA ATRICORNIS MEIGEN (DIPT., AGROMYZIDAE).

K N Trehan V K Sehgal

Entomol Mon Mag (SER 4)99(277-9,JAN-MAR):1-3

1963 421 EN86

Feeding, Food plants, Larvae, Morphology, Phytomyza atricornis, Research.

NUCLEAR AND SPINDLE DAMAGE DURING EMBRYONIC SEGMENTATION, PROCESSES, YOLK ABSORPTION, SEROSA AND BLASTODERM NUCLEUS IN TOTAL X-RAY IRRADIATED EGGS OF KALOTERMES FLAVICOLLIS FABR. (ISOPTERA). (FR)

W Truckenbrodt

Zool Jahrbucher Abt Allg Zool Physiol Tiere 85(4):609-640 REF

1967 410 Z751Z

Eggs, Embryology, Insect biochemistry, Insect morphology, Irradiation, Isoptera.

21748-68

INSECT NEUROMUSCULAR MECHANISMS.

P N R Ushcrwood

Amer Zool 7(3):553-582 REF

Aug 1967 410 AM3

Bibliography, Biochemistry, Insect physiology, Muscles, Neurology.

21749-68

RESULTS OF THE TRANSPLANTATION OF THE OVARIES OF IMAGOS TO LOCUSTA MIGRATORIA (L.). (FR) A Vogel

Acad Sci Compt Rend Ser D Sci Nat (SER D)267(12, 2ND SEMESTER):1043-1046 16 Sep 1968 505 P21

Insect histology, Insect morphology, Insect physiology, Locusta migratoria, Ovaries.

THE FALL WEBWORM, HYPHANTRIA CU-NEA, ITS DISTRIBUTION AND NATURAL ENE-MIES: A WORLD LIST (LEPIDOPTERA: ARC-TIIDAE).

L O Warren M Tadic

Kans Entomol Soc J 40(2):194-202 REF

Apr 1967 420 K13

Geography, Habitats, Hyphantria cunea, Insect behavior, Insect migration, Predaceous insects, Research.

21751-68

LABORATORY STUDIES ON INTERSPECIES TRAIL FOLLOWING AND TRAIL PREFERENCE OF ARMY ANTS (DORYLINAE).

J F Watkins T W Cole R S Baldridge

Kans Entomol Soc J 40(2):146-151

Apr 1967 420 K13

Formicidae, Insect behavior, Insect identification, Laboratories, Research. Neivamyrmex nigrescens, N. opacithorax, N. pilosus, N. pauxillus, N. wheeleri, and Labidus coecus-insect listed.

AUSTRALIAN DRAGONFLIES. JAL Watson

Australian Natur Hist 16(2):33-38

Jun 1968 475 AU7

Insect behavior, Insect identification, Insect migration, Odonata, Predaceous insects, Research.

TRANSDETERMINATION IN THE LAYOUT OF THE ORGANS OF THE DROSOPHILA FLY. (GE)

R Wehner

Umschau 68(11):325

23 May 1968 474 UM7

Drosophila, Insect physiology, Larvae. Metamorphosis, Viscera.

A CONTRIBUTION TO THE ALIMENTARY CANAL, SALIVARY GLANDS AND MALPIGHIAN TUBULES OF SACCHARICOCCUS SACCHI COCKERELL (HOMOPTERA PSEUDOCOC-

R L Yadava B S Chandel

Zool Jahrbucher Abt Allg Zool Physiol Tiere 8574):597-608 REF

1967 410 Z751Z

Gastrointestinal system, Insect histology, Insect morphology, Malpighian tubes, Pseudococcidae, Saceharieoccus sacchari, Salivary glands (insects).

INVESTIGATION OF STERILIZING DOSES FOR EPHESTIA KUNNIELLA L. IN IRRADIA-TION IN VARIOUS STAGES OF DEVELOP-MENT.

N I Yusifov

Radiobiology 8(2):158-164 REF

Nov 1968 442.8 RITAE

Chemical control (insects), Ephestia, Insect reproduction, Irradiation, Phycitidae, Sterilization. Russian journal-vol.8(2):275-278, 1968

GENETICS

21756-68

MATING CHOICE IN CROSSES BETWEEN GEOGRAPHIC POPULATIONS OF DROSOPHILA PSEUDOOBSCURA.

W W Anderson L Ehrman

Amer Midland Natur 81(1):47-53 MAP REF

Jan 1969 410 M58

Demography, Drosophila pseudoobscura, Insect evolution, Inseet genetics, Zoogeography.

21757-68

21757-68

GENOTYPE FREQUENCY AND MATING SUC-CESS IN THE WILLISTON: SPECIES GROUP OF DROSOPHILA.

L Ehrman C Pctit

Evolution 22(4):649-658 REF

30 Dec 1968 443.8 EV62

Demography, Drosophila, Insect genetics.

21758-68

THE FREQUENCY OF INTERBREEDING BETWEEN TWO SIBLING SPECIES OF DACUS (DIPTERA) IN WILD POPULATIONS.

G W Gibbs

Evolution 22(4):667-683

30 Dcc 1968 443.8 EV62

Dacus, Demography, Insect genetics.

THE TEMPERATURE-SENSITIVE PERIOD IN DEVELOPMENT OF ROLLED THE HEMIZYGOTES DROSOPHILA OF MELANOGASTER.

R Hackman S Lakovaara

Suomalainen Tiedeakatemia Ann Ser A Iv Biol

4(118):3-13 REF 1967 442.9 H36

Drosophila melanogaster, Insect genetics, Insect physiology, Temperature.

21760-68

GENETIC VARIABILITY IN ISCHNURAN DAMSELFLIES.

C Johnson

Amer Midland Natur 81(1):39-46

Jan 1969 410 M58

Insect evolution, Insect genetics, Odonata, Venation (insects), Wings (insects).

AN EXPERIMENTAL AND GENETIC ANALY-SIS OF DISPERSAL BEHAVIOR IN TRIBOLI-UM.

J C Ogden

Diss Abstr Sect B 29(5):1723B

Nov 1968 Z5055.U49D53

Genetics, Insect behavior, Research, Tribolium.

21762-68

EVOLUTION AND HYBRIDIZATION IN THE UTETHEISA ORNATRIX COMPLEX (LEPIDOPTERA: ARCTIIDAE). I. INTER- AND INTRAPOPULATION VARIATION AND ITS RELATION TO HYBRIDIZATION.

R W Pease

Evolution 22(4):719-735 REF

30 Dec 1968 443.8 EV62

Arctiidac, Brecding, Demography, Insect evolution, Zoogeography.

21763-68

MIMETIC VERSUS DIŞRUPTIVE COLORA-TION IN INTERGRADING POPULATIONS OF LIMENITIS ARTHEMIS AND ASTYANAX BUT-TERFLIES.

A P Platt L P Brower

Evolution 22(4):699-718 MAP REF

30 Dec 1968 443.8 EV62

Color, Demography, Insect genetics, Nymphalidae, Zoogeography.

ADAPTIVE SIGNIFICANCE OF MYCOPHAGY IN STORED-PRODUCT ARTHROPODA.

R N Sinha

Evolution 22(4):785-798 REF

30 Dec 1968 443.8 EV62

Fungi, Insect adaptation, Insect evolution, Mites, Predaceous insects, Stored products.

GENETICAL CONTROL OF PENETRANCE AND EVOLUTION OF DOMINANCE IN DROSOPHILA.

M.J. Whitten

Heredity 23(PT 2):263-278 REF

May 1968 443.8 H42

Drosophila melanogaster, Insect evolution, Insect

CROP PROTECTION

21766-68

USE OF FORMALINIZED MYCOPLASMA GALLISEPTICUM ANTIGENS AND CHICKEN ERYTHROCYTES IN HEMAGGLUTINATION HEMAGGLUTINATION-INHIBITION STUDIES.

H E Adler A J Da Massa

Appl Microbiol 15(2):245-248

Mar 1967 448.3 AP5

Antigens, Chickens, Erythrocytes, Formaldehyde, Hemagglutination, Mycoplasma gallisepticum, Physiology, Research.

21767-68

NEW KNOWLEDGE CONCERNING WIRE STRINGING IN FRUIT GROWING, (GE

F Afscharpour

Gesunde Pflanzen 20(5):113-115

May 1968 464.8 G33

Amines, Frost, Fruit, Plant injuries, Plant physiology, Plant protection, Spraying.

LETTUCE GROWTH AND TIPBURN IN-CIDENCE UNDER CONTROLLED HUMIDITY. (ABSTRACT).

G E Bottenberg T W Tibbitts

Hortscience 3(2,SUMMER):124

1968 SB1.H6

Humidity, Lettuce, Light, Peat, Plant physiology, Research, Tipburn (lettuce).

21769-68

EFFECT OF FLUORESCENT LIGHTING BEYOND THE NORMAL DAY ON THE FLOWERING OF THE CARNATION.

N W Butterfield G A Hemerick A Kinoshita

Hortscience 3(2,SUMMER):78

1968 SB1.H6

Dianthus caryophyllus, Equipment, Fluorescent lamps, Reproduction, Research, Temperature.

21770-68

CORN EARWORM DAMAGE TO EARS WITH STARCHY (SU.) VERSUS (SU.) KERNELS ON GENETICALLY UNIFORM MOTHER PLANTS. (ABSTRACT).

J W Cameron L D Anderson H H Shorey Hortscience 3(2,SUMMER):110

1968 SB1.H6

Harvesting, Heliothis zea, Plant injuries, Pollination, Research, Starches.

21771-68

THE LEACHING OF AUXIN FROM AIR LAYERS.

R J Cameron

New Zeal J Bot 6(2):237-239

Jun 1968 450 N48

Aluminum foil, Carbon isotopes, Indoleacetic acid, Musci, Pinus radiata, Plant hormones, Soil lcaehing.

21772-68

SPONTANEOUS VARIABILITY OF SINGLE ISOLATES OF PHYTOPHTHORA INFESTANS. I. CULTURAL VARIATION.

C E Caten J L Jinks

Can J Bot 46(4):329-348 REF

Apr 1968 470 C16C

Culture media, Phytophthora infestans, Plant genetics, Reproduction, Research.

SURVEY OF EPIDEMIC DISEASES OF FOREST

TREES IN TAIWAN IV. C.C.Chen.

Acad Sinica Bot Bull (N s)8:295-315

Oct 1967 451 AC10B

Research, Surveys, Tree diseases, Trees. Japanese summary

21774-68

COMPARISON OF STAMINATE FLOWER PRODUCTION ON GYNOECIOUS STRAINS OF CUCUMBERS BY PURE GIBBERELLINS (A3, A4, A7, AND A13) AND MIXTURES. (AB-STRACT.

R K Clark D S Kenney

Hortscience 3(2,SUMMER):102

1968 SB1.H6

Cucumbers, Fermentation, Gibberella fujikuroi, Gibberellins, Plant anatomy, Research.

FOLIAR ABSORPTION OF BORON BY BART-LETT PEARS. (ABSTRACT).

O C Crandall C C Woodbridge Horiscience 3(2,SUMMER):106

1968 SB1.H6

Boron, Foliar application, Harvesting, Pears, Research, Spraying, Water.

21776-68

IMPORTANT PLANT PROTECTION PROBLEMS IN BAVARIAN AGRICULTURE. (GE)

R Diercks

Gesunde Pflanzen 20(10):200-202,204-206,

Oct 1968 464.8 G33

Bects, Fungicides, Grain, Herbicides, Millet, Pest control, Pesticides, Plant diseases, Plant protection, Potatocs, Research, Weed control.

21777-68

FINE STRUCTURAL CHARACTERIZATION OF PLANT MICROBODIES.

S E Frederick E H Newcomb E L Vigil W P Wergin

Planta 81(3):229-252 REF

1968 450 P693

Cells, Electron microscopy, Plant anatomy, Plant morphology, Research, Tissues.

21778-68

SOME NOTES ON THE STUDY OF BARK FUN-GI.

J H B Garner

Can J Bot 45(4):540-541

Apr 1967 470 C16C

Bark, Biology, Fungi, Research.

21779-68

FOLIAR PENETRATION NAPHTHALENEACETIC ACID. (ABSTRACT).

D W Green M J Bukovac

Hortscience 3(2,SUMMER):120

1968 SB1.H6 Absorption, Foliar application, Kidney beans, Leaves, Naphthaleneacetic acid, Pears, Radioactivity, Research.

THE CHEMICAL MAKE-UP AND SELECTIVE EFFECT OF TRIAZINE HERBICIDES. (GE)

H Gysin Pflanzenschutzberichte 38(12):211-223

Oct 1968 464.9 P48 Biochemistry, Chemical control (pests), Chemistry, Fungicides, Herbicides, Setaria, Sorghum, Triazine. Given at 6th Int. Congress for Plant Protection, vienna, 1967 english summary

NEW ANTIBACTERIAL AGENT (U-24,544) ISOLATED FROM STREPTOMYCES GRISEUS.

R R Herr F Reusser

Appl Microbiol 15(5):1142-1144

Sep 1967 448.3 AP5 Antibiotics, Bacteria. Chemistry, Chromatography, Culture media, Microbiology, Research, Streptomyces griseus.

21782-68

DORMANCY OF ONION SETS AS IN-FLUENCED BY IRRADIATION, GIBBERELLIN AND TEMPERATURE TREATMENTS. (AB-STRACT). H J Hopen R R Dedolph W F Whiteside W

Chorney

Hortscience 3(2,SUMMER):94

1968 SB1.H6

Gibberellins, Greenhouses, Harvesting, Irradiation, Onions, Research, Temperature.

CHEMICAL ALTERATION OF SEX EXPRESSION IN CUCUMBERS AND CANTALOUPES. (ABSTRACT).

R M Irving M A Zawawi

Hortscience 3(2,SUMMER):101

1968 SB1.H6

Cantaloupes, Chemicals, Crop yields, Cucumbers, Greenhouses, Morphology, Plant regulators, Research, Spraying.

21784-68

PROTECTION AGAINST PSEUDOMONAS AERUGINOSA INFECTION BY IMMUNISA-TION WITH FRACTIONS OF CULTURE FIL-TRATES OF PS. AERUGINOSA.

R I Jones

Brit J Exp Pathol 49(5):411-420 REF

Oct 1968 448.8 B772

Drug plants, Drug therapy, Humans, Immunization, Mortality, Pseudomonas aeruginosa, Research.

THE IMPORTANCE OF PLANT PROTECTION FOR THE WORLD HARVEST. (GE

W Kaiser

Gesunde Pflanzen 20(7):155-156

Jul 1968 464.8 G33

Agricultural productivity, Crops, Harvesting, Plant diseases, Plant protection, Weeds, World agricultural situation. Continuation from issue number 6.

THE IMPORTANCE OF PLANT PROTECTION FOR WORLD HARVEST. (GE)

W Kaiser

Gesunde Pflanzen 20(6):131-132

Jun 1968 464.8 G33

Agricultural productivity, Crop yields, Population, Supply and demand, World agricultural situation. Continued in number 7.

PLANT PROTECTION PROBLEMS IN THE CULTIVATION OF FORAGE PLANTS IN BAVARIA. (GE)

K Koenig

Gesunde Pflanzen 20(10):234-235

Oct 1968 464.8 G33

Biochemistry, Chemical control (pests), Clover, Corn, Crop rotation, Forage plants, Plant diseases, Plant protection.

CHARACTERIZATION OF THREE BACTERIOPHAGES OF XANTHOMONAS ORYZAE (UYEDA ET ISHIYAMA) DOWSON.

TTKuoTC Huang RY Wu CM Yang Acad Sinica Bot Bull (N s)8:246-254 REF

Oct 1967 451 AC10B

Bacteriophages, Chemicals, Electron microscopy, Plants, Temperature, Xanthomonas oryzac. Japanese summary

INHIBITION OF AXILLARY BUD GROWTH OF CHRYSANTHEMUM MORIFOLIUM FATTY ACIDS ESTERS. (ABSTRACT).

P J Lert A M Kofranek

Hortscience 3(2,SUMMER):118

1968 SR1 H6

Chrysanthemum morifolium, Fatty acids, Harvesting, Physiology, Plant anatomy, Plant injuries, Research, Spraying.

AUXIN AND GIBBERELLIN-LIKE ACTIVITY IN BLUEBERRY FLOWERS AND FRUIT. (AB-STRACT).

C M Mainland P Eck

Hortscience 3(2,SUMMER):113

1968 SB1.H6

Blueberries, Gibberellins, Morphology, Plant regulators, Pollination, Research.

21791-68

THE BAVARIAN DEPARTMENT FOR AGRICULTURE, PLANTING AND PLANT PROTECTION, AND ITS 'GROUP PLANT PROTEC-TION'. (GE)

H R Mayer

Gesunde Pflanzen 20(10):198-200

Oct 1968 464.8 G33

Fruit, Grain, Organizations, Pesticides, Plant diseases, Plant protection.

THE EFFECT OF THE NEAR ULTRA-VIOLET LIGHT (3000A4000A) ON THE PHYSIOLOGICAL DEVELOPMENT OF CUCUMBERS CUCU-MIS SATIVIUS, CULTIVAR SPARTAN DAWN. (ABSTRACT).

J 1 McKenzie H Tiessen

Hortscience 3(2,SUMMER):101

1968 SB1.H6

Cucumbers, Equipment, Physiology, Reproduction, Research, Ultraviolet rays.

21793-68

PENETRATION OF NAPHTHALENEACETIC ACID AND NAPHTHALENEACETAMIDE THROUGH ISOLATED PEAR LEAF CUTICLE.

R F Norris M J Bukovac

Hortscience 3(2,SUMMER):120

1968 SB1.H6

Anatomy, Cuticle, Naphthaleneacetic acid, Pears, Research, Temperature.

GIBBERELLIN A4/A7, FOR INDUCTION OF STAMINATE FLOWERS ON THE GYNOE-CIOUS CUCUMBER. (ABSTRACT).

L M Pike C E Peterson

Hortscience 3(2,SUMMER):101

1968 SR1 H6

Cucumbers, Gibberellin a4, Gibberellin a7, Plant anatomy, Research, Spraying.

INCREASED REVERSION OF AN APPLE SPORT FOLLOWING X IRRADIATION AND PRUNING, (ABSTRACT).

C Pratt D K Pireclu

Hortscience 3(2,SUMMER):92

1968 SB1.H6

Abnormalities, Apples, Harvesting, Irradiation, Pruning, Research, X-rays.

21796-68

EFFECTS OF ALAR TREATMENT ON GROWTH, FLOWERING, AND FRUITING OF GREENHOUSE TOMATO CULTIVARS, (AB-STRACT).

P E Read

Hortscience 3(2,SUMMER):101

1968 SB1.H6

Greenhouses, Physiology, Reproduction, Research, Succinic acid, 2,2-dimethylhydrazide, Tillage, To-

21797-68

THE EFFECTS OF INTEGRATED PLANT PRO-TECTION METHODS.

K Russ

Pflanzenarzt 21(5):67-68

01 May 1968 464.9 P482

Biology, Chemosterilants, Ecology, Insect pests, Incontrol secticides. Integrated Methodology, Plant protection, Tables (data).

21798-68

AFLATOXIN PRODUCTION BY ASPERGILLUS FLAVUS AS RELATED TO VARIOUS TEMPERATURES.

A F Schindler J G Palmer W V Eisenberg Appl Microbiol 15(5):1006-1009

Sep 1967 448.3 AP5

Aflatoxin, Aspergillus flavus, Culture media, Fungi, Microbiology, Physiology, Rcsearch, Temperature.

FOREST PLANT PROTECTION PROBLEMS IN BAVARIA. (GE)

W Schwenke

Gesunde Pflanzen 20(10):208-210

Oct 1968 464.8 G33

Bacillus thuringiensis, Chemical control (insects), Forests, Insect pests, Plant injuries, Plant protection, Spraying, Weeds.

BREEDING PEACHES FOR ROOT-KNOT NE-MATODE RESISTANCE.

R H Sharpe C O Hesse B F Lownsberry C J Hansen

Hortscience 3(2,SUMMER):92

1968 SB1.H6

Breeding, Meloidogyne incognita, Meloidogyne javanica, Nematodes, Peaches, Plant diseases, Research.

AUXIN (PLANT HORMONES) PRODUCTION IN PLANTS. (GE)

A R Sheldrake

Umschau 68(18):568

29 Aug 1968 474 UM7

Amino acids, Bacteria, Cells, Crown galls, Fungi, Indoleacetic acid, Plant hormones, Plant metabolism, Tryptophan.

21802-68

INSECTICIDES FROM PLANTS.

A A Siddiqui

Sci Chronicle 5(12):8-9

Jun 1967 Q1.0S33

Anabasine, Biochemistry, Insecticides, Nicotine, Nornicotine, Poiso Rotenone, Sabadilla. Poisonous plants, Pyrethrum,

THE EFFECTS OF KINETIN IN OVERCOMING HIGH-TEMPERATURE INHIBITION OF LETTUCE SEED GERMINATION. (ABSTRACT).

O E Smith W Yen J M Lyons Hortscience 3(2,SUMMER):124

1968 SB1.H6

Kinetin, Lettuce, Research, Seed germination, Temperature, Water.

INFLUENCE OF GIBBERELLIN UPON TIME BUD DEVELOPMENT IN GLOBE AR-TICHOKE (CYNARA SCOLYMUS).

M J Snyder N C Welch V E Rubatzkt Hortscience 3(2,SUMMER):101

1968 SB1.H6

Artichokes, Crop yields, Gibberellins, Plant morphology, Research.

INFLUENCE OF GROWTH REGULATORS ON THE CONCENTRATION OF PROTEIN AND NUCLEIC ACIDS IN GRAPE FLOWERS. (AB-STRACT).

A Soleimani W M Kliewer R J Weaver Hortscience 3(2,SUMMER):113

1968 SB1.H6

Grapes, Nucleic acids, Physiology, Plant regulators, Proteins, Research, Spraying.

THE NEED FOR INTERNATIONAL TESTING PATHOGENS. CROP PESTS

E C Stakman

Entomol Soc Amer Bull 14(2):124-128

Jun 1968 423.9 EN8

Food supply, International cooperation, Laboratories, Plant disease resistance, Plant diseases, Plant pest resistance, Plant protection, Research, Supply and demand.

21807-68

PRODUCTION OF AFLATOXIN ON WHEAT AND OATS: MEASUREMENTS WITH A RECORDING DENSITOMETER.

R D Stubblefield O L Shotwell C W Hesseltine M L Smith

Appl Microbiol 15(1):186-190 REF Jan 1967 448.3 AP5

CROP PROTECTION

21808-68

BIBLIOGRAPHY

Aflatoxin, Aspergillus flavus, Chromatography, Culture media, Fermentation, Oats, Wheat.

21808-68

CONCENTRATE SPRAY-THINNING OF APPLES. (ABSTRACT).

A H Thompson B L Rogers Hortscience 3(2,SUMMER):91 1968 SB1.H6

Apples, Carbaryl, Harvesting, Pesticides, Research, Spraying, Thinning sprays.

21809-68

DISTRIBUTION OF SOLUBLE COMPONENT AND QUALITY FACTORS IN THE EDIBLE PORTION OF CITRUS FRUIT. (ABSTRACT).

S V Ting

Hortscience 3(2,SUMMER):113

1968 SB1.H6

Amino acids, Ascorbic acid, Chemistry, Citrus, Hydrogen-ion concentration, Research.

21810-6

PROJECT AND PROBLEMS OF PLANT PROTECTION IN THE DEVELOPING COUNTRIES. (GE)

W Tornow

Gesunde Pflanzen 20(7):137,138,140,1 2,144,146,148-149

Jul 1968 464.8 G33

Agricultural policies, Extension work, Pest control, Plant disease transmission, Plant protection.

21811-68

ARTIFICIAL LIGHT INDUCED LEAF LESIONS IN A DIPLOID SOLANUM ACCESSION. (ABSTRACT).

K N Wilsen D R Bienz

Hortscience 3(2,SUMMER):124

1968 SB1.H6

Equipment, Fluorescent lamps, Leaves, Plant physiology, Research, Solanaceae.

21812-68

THE ULTRASTRUCTURE OF PIRICULARIA ORYZAE CAV.

H K Wu T H Tsao

Acad Sinica Bot Bull (N s)8:353-363 REF

Oct 1967 451 AC10B

Anatomy, Cells, Crop yields, Cytoplasm, Pirieularia oryzae, Plant protection, Research, Rice. Japanese summary

21813-68

THE USE OF ACTIDIONE ON THE CONTROL OF RICE BLAST.

L H Yang T T Kuo L T Chou
Acad Sinica Bot Bull (N s):390-397

Oct 1967 451 AC10B

Blast (rice), Crop yields, Cycloheximide, Greenhouse culture, Piricularia oryzae, Rice, Seedlings. Japanese summary

DISEASES

21814-68

SURVIVAL OF ROOT-INFECTING FUNGI IN SOIL. III. THE EFFECT OF CELLULOSE AMENDMENT ON CHLAMYDOSPORE GER-MINATION OF FUSARIUM SOLANI F. SP. PHASEOLI IN SOIL.

P B Adams G C Papavizas J A Lewis

Phytopathology 58(3):373-377 REF

Mar 1968 464.8 P56

Beans, Cellulose, Fungus diseases (plants), Fusarium solani phaseoli, Oat straw, Sodium nitrate, Soil amendments, Soil fungi, Spore germination.

21815-6

TOMATO BUSHY STUNT VIRUS FROM PRUNUS AVIUM L. I. FIELD STUDIES AND VIRUS CHARACTERIZATION.

W R Allen T R Davidson

Can J Bot 45(12):2375-2383 REF

Dec 1967 470 C16C

Bushy stunt (tomatoes), Mazzard eherries, Research, Virus diseases (plants).

21816-68

TOMATO BUSHY STUNT VIRUS FROM PRUNUS AVIUM. II. SEROLOGICAL TYPING AND THE CHARACTERIZATION OF ANTIBODY TYPES AND ACTIVITIES.

W R Allen

Can J Bot 46(3):229-233 REF

Mar 1968 470 C16C

Antibodies, Bushy stunt (tomatoes), Mazzard eherries, Serological tests, Virus diseases (plants).

21817-68

ELECTRON MICROSCOPIC OBSERVATIONS ON THE APPARENT REPLICATION IN VIVO OF A PLANT VIRUS.

H J Arnott K M Smith

Virology 34(1):25-35 REF

Jan 1968 448.8 V81

Biology, Electron microscopes, Plants, Research, Virus diseases (plants).

21818-68

AMERICAN COTTON IS ALLERGIC TO 2,4-D.

B Bakshi

Indian Farming 16(11):25

Feb 1967 22 IN283

D, 2,4-, Plant physiology, Toxicology, Upland cotton, Vapors.

The author discusses the susceptibility of upland cotton to 2,4-D vapors in India.

21819-68

CLONAL SELECTION OF GRAPEVINES IN SOME AREAS OF ITALY. (IT)

E Baldacci G Belli E Refatti R Cesati F Pessina Riv Patol Veg (SER 4)3(1,JAN-MAR):15-22 REF 1967 464.8 R52

Chenopodium amaranticolor, Chenopodium quinoa, Clones, Forage plants, Gomphrena globosa, Grapes, Host indexing (plants), Virus diseases (plants). English summary

21820-68

RESEARCH AND IDENTIFICATION OF LOW LITRE AND AVIRULENT VIRUSES OR GRAPEVINES. (IT)

E Baldacci G Belli

Riv Patol Veg (SER4)3(1,JAN-MAR):4-14 REF 1967 464.8 R52

Biochemistry, Forage plants, Grapes, Host indexing (plants), Research, Virus diseases plants. English summary

21821-68

DEVELOPMENT OF DOWNY MILDEW RESISTANT BROCCOLI, CABBAGE, AND COLLARDS. (ABSTRACT).

W C Barnes

Hortscience 3(2,SUMMER):110

1968 SB1.H6

Broecoli, Cabbage, Crop yields, Kale, Morphology, Plant disease control, Research.

21822-68

DIFFERENCE IN PHENOLIC EXTRACTS FROM HEALTHY DOUGLAS-FIR ROOTS AND THOSE INFECTED WITH PORIA WEIRII.

G M Barton

Can J Bot 45(9):1545-1552 REF

Sep 1967 470 C16C

Fungus diseases (plants), Phenols, Plant extracts, Poria weirii, Pseudotsuga menziesii, Root rot (evergreens), Roots.

21823-68

FACTORS AFFECTING VIRULENCE AND PIGMENT PRODUCTION OF XANTHOMONAS PHASEOLI VAR. FUSCANS.

P K Basu V R Wallen

Can J Bot 45(12):2367-2374 REF

Dec 1967 470 C16C

Beans, Fungus diseases (plants), Seeds, Xanthomonas phaseoli.

21824-68

FREE AMINO ACIDS OF SUNFLOWER HYPOCOTYL TISSUE DURING CROWN GALL TUMOR DEVELOPMENT,

R M Behki S M Lesley

Can J Bot 46(3):217-223 REF

Mar 1968 470 C16C

Amino acids, Crown galls, Plant diseases, Sunflowers, Tissues.

21825-6

DIAMOND SPOT OF BANANAS CAUSED BY FUSARIUM ROSEUM 'GIBBOSUM.'.

L A Berg

Phytopathology 58(3):388-389

Mar 1968 464.8 P56

Bananas, Fungus diseases (plants), Fusarium roseum.

21826-68

TUMOR FORMATION THROUGH DEOXYRIBONUCLEIC ACID FROM AGROBACTERI-UM TUMEFACIENS (SMITH AND TOWNSEND) CONN. (GE)

J Bieber E Sarfert

Phytopathol Z 62(4):323-326 REF

Aug 1968 464.8 P562

Agrobaeterium tumefaciens, Cells, Crown galls, Deoxyribonucleic acid, Plant diseases, Proteins. English summary

21827-68

ACCUMULATION OF AFLATOXINS IN STORED RICE IN RELATION TO COMPETI-TION BETWEEN ASPERGILLUS PARASITICUS AND A. CHEVALIERI. (ABSTRACT).

R A Boller H W Schroeder Phytopathology 58(6):725-726

Jun 1968 464.8 P56

Aflatoxin, Aspergillus chevalieri, Aspergillus parasiticus, Fungus diseases (plants), Rice, Storage, Temperature.

21828-68

CHEMICAL, PHYSICAL AND BIOLOGICAL PROPERTIES OF FOUR STRAINS OF SUGARCANE MOSAIC VIRUS.

W P Bond

Diss Abstr Sect B 29(5):1540B-1541B

Nov 1968 Z5055.U49D53

Biology, Chemistry, Mosaic (sugarcane), Physiology, Properties, Sugarcane, Virus diseases (plants).

21829-68

EFFECTS OF TWO CARBAMATES ON SEVERAL PESTS OF PEACH,

H R Boyce

Entomol Soc Ontario Proc 95:125-127

1964 420 ON8

Carbamates, Grapholitha molesta, Insect pests, Panonychus ulmi, Peaches, Plant injuries, Research.

21830-68

STUDIES OF THE HOST-PARASITE RELA-TIONSHIP IN THE PINEAPPLE DISEASE OF SUGARCANE.

H W Boyd C C Allison

Phytopathology 58(6):839-842

Jun 1968 464.8 P56

Ceratocystis paradoxa, Fungus diseases (plants), Greenhouse culture, Pineapple disease, Sugarcane.

21831-6

THE RELATION OF GROWTH REGULATORS TO THE DEVELOPMENT OF SYMPTOMS AND EXPRESSION OF STEM RESISTANCE IN WHITE PINE INFECTED WITH BLISTER RUST.

M G Boyer

Can J Bot 45(4):501-513 REF

Apr 1967 470 C16C

Blister rust (pinus), Pinus, Plant disease resistance, Plant regulators.

21832-68

TOBACCO LEAF VEINS IN SOURCES OF A CUCUMBER MOSAIC VIRUS FOR APHIDS.

R H E Bradley

Virology 34(1):172-173 Jan 1968 448.8 V81

Aphididae, Cueumbers, Mosaie (eueumbers), Tobaeco, Veins, Virus diseases (plants).

21833-68

TOXICITY OF FERMENTATION PRODUCTS ACCUMULATING IN WATERCORED 'DELI-CIOUS' APPLES. (ABSTRACT).

W J Bramlage R E Bir

Hortscience 3(2,SUMMER):122

1968 SB1.H6

Apples, Fermentation, Plant diseases, Plant injuries, Research, Temperature, Toxicology, Water core (apples).

MEASUREMENT OF OXYGEN CONSUMPTION OF WHEAT STEM RUST UREDOSPORES WITH AN OXYGEN ELECTRODE.

Phytopathology 58(6):752-754

Jun 1968 464.8 P56

Electrodes, Fungus diseases (plants), Oxygen, Plant physiology, Stem rust, Uredospores, Wheat.

CITRUS FRUIT VIRUS DISEASES IN THE LIGHT OF THE RESULTS OF THE 4TH CON-FERENCE OF THE I.O.C.V. (it)

Riv Patol Veg (SER 4)3(1,JAN-MAR):47-82 REF 1967 464 8 R52

Citrus, Fruit, Virus diseases (plants).

21836-68

TAICHUNG NATIVE--I VS BACTERIAL BLIGHT.

G V Chalam

Indian Farming 16(3):3,47,52

Jun 1966 22 IN283

Bacterial diseases (plants), Crop yields, Rice.

HOST RANGE OF PEANUT STUNT VIRUS IN TRIFOLIUM SPP. (ABSTRACT).

D Choopanya J E Halpin Phytopathology 58(6):726

Jun 1968 464.8 P56

Clover, Host indexing (plants), Peanuts, Stunt, Virus diseases (plants).

ACCUMULATION OF HYPOXANTHINE IN POTATO LEAVES AND ITS EFFECT ON SPORE GERMINATION IN PHYTOPHTHORA INFESTANS.

M C Clark O T Page

Can J Bot 46(3):267-270

Mar 1968 470 C16C

Fungus diseases (plants), Hypoxanthine, Leaves, Phytophthora infestans, Potatoes, Seed germination, Spores.

21839-68

RELATIVE SIGNIFICANCE OF PARASITISM VERSUS SAPROPHYTISM IN COLONIZATION OF WHEAT STRAW BY FUSARIUM ROSEUM CULMORUM IN THE FIELD.

R J Cook G W Bruchl

Phytopathology 58(3):306-308

Mar 1968 464.8 P56

Fusarium roseum, Parasitism, Saprophytes, Wheat

21840-68

INFLUENCE OF RHIZOPUS NIGRICANS EHRENB. ON THE DEVELOPMENT OF AL-TERNARIA SOLANI (ELL. AND MART.) JONES AND GROUT.

C R Das A Pal

Phytopathol Z 63(1):40-46 REF

Sep 1968 464.8 P562

Alternaria solani, Fungus diseases (plants), Leaves, Plant physiology, Potatoes, Research, Rhizopus nigricans. German summary

21841-68

THE RELATIONSHIP BETWEEN CALCIUM MAGNESIUM, AND POTASSIUM ACCUMULA-TION AND TITRATABLE ACIDITY IN THE LEAVES OF SELECTED MCINTOSH APPLE CLONES. (ABSTRACT).

J C M Ddungu R Eggert

Hortscience 3(2,SUMMER):106-107

1968 SB1.H6

Absorption, Apples, Calcium, Deficiency diseases, Extracts, Leav Research, Water, Leaves, Magnesium, Potassium.

WRINKLED SKIN DISEASE OF APPLES. (FR)

H De Meirleire

Phytoma 19(193):31

Dec 1967 464.8 P563

Apples, Diagnosis, Plant diseases, Research, Skin diseases, Virus diseases (plants).

BLOSSOM END ROT OF THE TOMATO. (FR)

H De Meirleire

Phytoma 19(193):30

Dec 1967 464.8 P563

Blossom end rot (tomatoes), Calcium, Diagnosis, Pimientos, Plant diseases, Plant water relations.

THE NATA DE COCO. 2. CHEMICAL NATURE AND PROPERTIES OF NATA.

L S Dimaguila

Philippine Agr 51(6):475-488 REF

Nov 1967 25 P542

Acetobacter, Biochemistry, Coconuts.

21845-68

QUANTITATIVE MEASUREMENTS OF IN-TERACTIONS BETWEEN CROWN-GALL TU-MORS AND THE PINTO BEAN HOST.

M D El Khalifa J A Lippincott Amer J Bot 55(3):382-391 REF

Mar 1968 450 AM36

Agrobacterium tumefaciens, Crown galls, Kidney beans, Plant physiology.

21846-68

BIOCHEMICAL CHANGES DURING THE DEVELOPMENT OF CORK SPOT OF 'YORK IMPERIAL' APPLES. (ABSTRACT).

M Faust C B Shear

Hortscience 3(2,SUMMER):122

1964 SB1.H6

Apples, Biology, Chemistry, Cork spot (apples), Morphology, Research, Tissues.

21847-68

THE OCCURRENCE OF AN ASH-COLORED MOLD ON PEANUTS IN THE STATE OF SAO PAULO. (POR)

M B Figueiredo R M Cardoso

Biologico 34(10):217-220

Oct 1968 442.8 B529

Botrytis, Crop losses, Fungus diseases (plants), Pe-

21848-68

CYLINDROCLADIUM ROOT ROT OF BLACK WALNUT. (ABSTRACT).

Phytopathology 58(6):728

Jun 1968 464.8 P56

Cylindrocladium, Fungus diseases (plants), Juglans nigra, Root rot, Temperature.

A SELECTIVE MEDIUM FOR ISOLATION OF PHYTOPHTHORA PARASITICA VAR, NICOTIANAE FROM SOIL. (ABSTRACT).

R A Flowers J W Hendrix Phytopathology 58(6):728

Jun 1968 464.8 P56

Black shank, Culture media, Fungus diseases (plants), Phytophthora parasitica nicotianae, Soilborne plant diseases, Tobacco.

21850-68

GROWTH REGULATORS TO CONTROL LET-TUCE BOLTING. (ABSTRACT).

R E Foster

Hortscience 3(2.SUMMER):102

1968 SB1.H6

Chemicals, Greenhouse culture, Lettuce, Plant diseases, Research, Spraying, Temperature.

GONATOBOTRYS ZEAE SP. N. A NEW PATHOGEN ON CORN. (ABSTRACT).

C Futrell D C Bain

Phytopathology 58(6):728

Jun 1968 464.8 P56

Corn, Fungus diseases (plants), Gonatobotrys zeae. Plant taxonomy.

21852-68

HISTOCHEMICAL STUDIES ON THE ALTERA-TION OF LIGNIN AND PECTIC SUBSTANCES IN WHITE ELM INFECTED BY CERATO-CYSTIS ULMI.

C Gagnon

Can J Bot 45(9):1619-1623 REF

Sep 1967 470 C16C

Ceratocystis ulmi, Fungus diseases (plants), Histochemistry, Lignin, Peetins, Research, Ulmus

LONGEVITY OF TOMATO PLANTS IN DIS-EASED FIELDS AS AFFECTED BY BREEDING. (ABSTRACT).

J C Gilbert J S Tanaka J T Chinn Hortscience 3(2,SUMMER):110

1968 SB1.H6

Agricultural policies, Breeding, Longevity, Plant disease resistance, Research, Tomatoes.

RATE OF MOVEMENT OF BARLEY YELLOW DWARF VIRUS OUT OF INOCULATED CEREAL LEAVES,

C C Gill

Phytopathology 58(6):870-871

Jun 1968 464.8 P56

Aphididac, Barley, Grain, Immunization, Insect vectors, Leaves, Oats, Plant translocation, Virus diseases (plants), Yellow dwarf.

TRANSMISSION OF TOBACCO MOSAIC VIRUS IN GRAPE SEEDS.

R M Gilmer L J Kelts

Phytopathology 58(3):277-278

Mar 1968 464.8 P56

Grapes, Mosaic, Mosaic (tobacco), Seed-borne plant diseases, Seeds, Virus diseases (plants).

Abstract: The possible role of the pollen parent in eausing seed infection is not known.

BURLEY TOBACCO NATURALLY INFECTED WITH PEANUT STUNT VIRUS IN NORTH CAROLINA. (ABSTRACT).

G V Jr. Goodling

Phytopathology 58(6):728

Jun 1968 464.8 P56 North carolina, Peanuts, Stunt, Tobacco, Virus diseases (plants).

VERTICILLIUM WILT OF TOMATOES, TESTS WITH RESISTANT LINES.

R Gottl R J Conroy

Agr Gaz New S Wales 78(PT 9):504-506

Scp 1967 23 N472

Fungus diseases (plants), Plant breeding, Plant disease resistance, Tomatoes, Verticillium dahliae.

The development and testing of Verticillium wilt resistant tomatoes in Australia is discussed.

21858-68

RELATIVE QUANTITIES OF ANTIFUNGAL METABOLITES PRODUCED IN RESISTANT AND SUSCEPTIBLE SOYBEAN PLANTS IN-

21859-68

OCULATED WITH **PHYTOPHTHORA** MEGASPERMA VAR. SOJAE AND CLOSELY RELATED NONPATHOGENIC FUNGI.

G Grav W L Klarman M Bridge

Can J Bot 46(3):285-288

Mar 1968 470 C16C

Fungus • diseases (plants), Metabolites, Phytophthora megasperma, Plant disease resistance, Soybeans.

CANKER OF PEACHES BY FUSICOCCUM AMYGDALI . BIOLOGY OF THE PARASITE AND METHODS OF CONTROL. (FR)

Rev Zool Agr Appl 66(7-9, 3RD TRIMESTER):103-110

1967 410.9 SQ12

Canker, Chemical control (plant diseases), Fungus diseases (plants), Fusicoceum amygdali, Peaches.

PRODUCTION OF PECTIC AND CELLU-LOLYTIC ENZYMES BY PHYTOPHTHORA IN-FESTANS DE BY. II. INFECTION OF POTATO TUBERS. (GE)

F Grossman

Phytopathol Z 63(1):15-22 REF

Sep 1968 464.8 P562

Assay, Cellulase, Enzymes, Peetins, Phytophthora infestans, Plant extraets, Potatoes, Research, Tissues. English summary.

21861-68

INFECTION AND DEVELOPMENT OF HEL-AGROSTIS PALUSTRIS.

M J Heals 14 P.

Phytopathology 58(3):273-276 REF

Mar 1968 464.8 P56

Fungus diseases (plants), Golf eourses, Helminthosporium sorokinianum, Turf.

THREE-YEAR EFFECTS OF SYSTEMIC FUN-GICIDES APPLIED FOR THE CONTROL OF CYTOSPORA IN ITALIAN PRUNE TREES.

A W Helton W J Koehan

Can J Bot 45(11)-2017-2020

Nov 1967 470 C16C

Cytospora, Fungicides, Plant physiology, Plums,

21863-68

A DISTINCTION BETWEEN PUCCINIASTRUM GOEPPERTIANUM AND P. EPILOBII WITH CLARIFICATION OF STATUS OF PERIDERMIUM HOLWAYI AND PER. ORNAMENTALE.

Y Hiratsuka L E McArthur F J Emond

Can J Bot 45(10):1913-1915

Oet 1967 470 C16C

Fungus diseases (plants), Peridermium holwayi, Peridermium ornamentale, Pueeiniastrum epilobii, Pueciniastrum goeppertianum.

21864-68

FACTORS GOVERNING ZOOSPORE RESPON-SES OF PHYTOPHTHORA MEGASPERMA VAR. SOJAE TO PLANT ROOTS.

H H Ho C J Hiekman

Can J Bot 45(11):1983-1994 REF

Nov 1967 470 C16C

Fungus diseases (plants), Pcas, Phytophthora megasperma, Plant physiology, Roots, Soybeans, Zoospores.

21865-68

GENETIC ANALYSIS IN RICE, VIII. IN-HERITANCE OF RESISTANCE TO RACES 4, 22 AND 25 OF PIRICULARIA ORYZAE.

S C Hsieh M H Lin H L Liang

Acad Sinica Bot Bull (N s)8:255-260 REF

Oct 1967 451 AC10B

Blast (rice), Injections, Leaves, Piricularia oryzae, Plant protection, Research, Rice. Japanese summa-

EFFECT OF ANTIFUNGAL COMPOUNDS ON ASPERGILLOSIS IN HATCHING CHICK EMBRYOS.

C N Huhtanen J M Pensaek

Appl Microbiol 15(1):102-109

Jan 1967 448.3 AP5

Amphoteriein b, Aspergillus flavus, Aspergillus fumigatus, Chiek embryos, Research, Water.

ANALYSIS OF EPIDEMICS OF THE TOBACCO (PERONOSPOR TABACINA ADAM) MILDEW IN THE GEMBLOUX AREA. (FR)

Gembloux Inst Agron Etat Bull 3(2):308-327 REF

1968 105.1 G285

Belgium, Humidity, Peronospora tabaeina, Plant disease transmission, Spore germination, Tempera-ture, Tobaeco. English and Afrikaan abstraet

TOBACCO MOSAIC VIRUS STRAINS IN GREENHOUSE TOMATOES.

M H Jensen B L Pollaek E H Varney Hortscience 3(2,SUMMER):124

1968 SB1.H6

Greenhouses, Mosaie (tobaeeo), Research. Serological tests, Tomatoes.

21869-68

THE MODE OF SEEDLING INFECTION OF GRAIN SORGHUM WITH SCLEROSPORA SORGHI. (ABSTRACT).

B.L. Jones

Phytopathology 58(6):729

Jun 1968 464.8 P56

Fungus diseases (plants), Plant disease transmission, Selerospora sorghi, Seedlings, Sorghum.

ORCHARD SANITATION AND BROWN ROT CONTROL.

P F Kable

Agr Gaz New S Wales 78(PT 11):665

Nov 1967 23 N472

Brown rot, Crop losses, Fruit, Orehards, Sanitation control (pests).

STUDIES ON SOME STRAINS OF TOBACCO MOSAIC VIRUS IN ORCHIDS. I. BIOLOGICAL, CHEMICAL, AND SEROLOGICAL STUDIES.

C 1 Kado M H V Van Regenmortel C A Knight Virology 34(1):17-24 REF

Jan 1968 448.8 V81

Biology, Chemistry, Mosaie (tobaceo), Orehidaeeae, Research, Serological tests, Virus diseases (plants).

VIRULENCE OF RHIZOCTONIA SOLANI AS INFLUENCED BY AGE OF INOCULUM IN SOIL.

M Kamal A R Weinhold

Can J Bot 45(9):1761-1765 REF

Sep 1967 470 C16C

Fungus diseases (plants), Rhizoetonia solani, Soils,

21873-68

NON-RANDOM SEGREGATION OF GENE 1 FOR FUSARIUM RESISTANCE IN THE TO-MATO.

N Kedar N Betig J Katan Euphytica 16(2):258-266

Sep 1967 450 EU6

Fungus discases (plants), Fusarium, Geneties, Plant disease resistance, Tomatoes.

21874-68

THE EFFECT OF SEVERAL DITHIOCARBA-MATE FUNGICIDES ON BLACK SPOT CON-TROL AND FRUIT QUALITY IN VALENCIA ORANGES.

T B Kiely

Agr Gaz New S Wales 78(PT 5):309-317

May 1967 23 N472

Black spot (oranges), Bordeaux mixture, Carbamates, Guignardia, Oranges.

THE EFFECT OF LEAF WATER BALANCE ON THE SUSCEPTIBILITY OF FRENCH BEAN TO TOBACCO NECROSIS VIRUS.

W C Kimmins R E Litz

Can J Bot 45(11):2115-2118

Nov 1967 470 C16C

Beans, Leaves, Nccrosis, Plant disease resistance, Tobaeco, Virus diseases (plants), Water.

21876-68

SUSCEPTIBILITY TO TOBACCO MOSAIC VIRUS IN RELATION TO RNA AND PROTEIN SYNTHESIS IN TOBACCO AND BEAN PLANTS.

Z Kiraly M El Hammady B I Pozsar

Phytopathol Z 63(1):47-63 REF

Sep 1968 464.8 P562

Beans, Bioehemistry, Metabolism, Mosaie (tobaceo), Plant disease resistance, Proteins, Ribonuelcic acid, Tobaeeo, Virus diseases (plants). German summary.

21877-68

MATHEMATICAL MODELS FOR INFECTIVITY DILUTION CURVES OF PLANT VIRUSES.

A Kleezkowski

Virology 34(1):186-187

Jan 1968 448.8 V81

Mathematical analysis, Mathematies, Virus diseases (plants).

IDENTIFICATION OF TWO SEROTYPES IN SQUASH MOSAIC VIRUS STRAINS. H K Knuhtsen M R Nelson

Phytopathology 58(3):345-347

Mar 1968 464.8 P56 Cantaloupes, Electrophoresis, Mosaie, Mosaie

(watermelons), Pumpkins, Serological tests, Virus diseases (plants), Watermelons.

21879-68

BREEDING GLASSHOUSE CUCUMBERS IN THE NETHERLANDS.

E Kooistra

Hortscience 3(2, SUMMER):107

1968 SB1 H6

Breeding, Cueumbers, Fungus diseases (plants), Greenhouse culture, Research.

21880-68

INFLUENCE OF SEED SIZE ON THE INCIDENCE OF LOOSE SMUT IN FUNZA BAR-LEY. (SP)

C F Krull G Robayo L A Valbuena G Rico L E Castiblanco

Agr Trop 23(1):20-25

Jan 1967 26 AG8 Barley, Fungus diseases (plants), Loose smut (barley), Seeds, Ustilago nuda.

RESPIRATORY PATTERNS IN TRIFOLIUM PRATENSE INOCULATED AND NONINOCU-LATED WITH ERYSIPHE POLYGONI.

G C M Latch E W Hanson

Phytopathology 58(3):297-300 REF

Mar 1968 464.8 P56

Erysiphe polygoni, Fungus diseases (plants), Leaves, Plant disease resistance, Plant respiration, Powdcry mildew, Red elover.

21882-68

A FURTHER LOOK AT NECK ROT IN ONIONS.

G S Lawes

New Zeal J Agr 114(1):50-51

Jan 1967 23 N48J

Botrytis allii, Fertilizers, Fungicides, Neck rot (onions), Onions, Soil series.

Neck rot of onions eaused by Botrytis allii in New

Zealand is discussed as well as the control of the fungus with fungicides and other methods.

MAJOR AND MINOR GENES IN WHEAT FOR RESISTANCE TO PUCCINIA STRIIFORMIS AND THEIR RESPONSES TO TEMPERATURE CHANGES.

RT Lewellen E L Sharp E R Hehn Can J Bot 45(11):2155-2172 REF

Nov 1967 470 C16C

Fungus diseases (plants), Genetics, Puccinia striiformis, Temperature, Wheat.

OZONE DAMAGE AND SEMIMATURE-TISSUE NEEDLE BLIGHT OF EASTERN WHITE PINE. S N Linzon

Can J Bot 45(11):2047-2061 REF

Nov 1967 470 C16C

Fungus diseases (plants), Needle blight (pinus), Ozone, Pinus strobus, Plant injuries, Tissues.

HISTOLOGICAL STUDIES OF SYMPTOMS IN SEMIMATURE-TISSUE NEEDLE BLIGHT OF EASTERN WHITE PINE.

S N Linzon

Can J Bot 45(1):133-143 REF

Jan 1967 470 C16C

Histology, Needle blight (pinus), Pinus strobus, Plant diseases, Research.

THE INCIDENCE OF CROWN ROT OF BOXED BANANAS IN RELATION TO MICROBIAL POPULATIONS OF THE CROWN TISSUE.

F L Lukezie W J Kaiser M M Martinez

Can J Bot 45(4):413-421

Apr 1967 470 C16C

Bacterial diseases (plants), Bananas, Crown rot (bananas), Microbiology.

FIELD TEST OF LABORATORY RESULTS IN SELECTING SEED DRESSING FUNGICIDES AGAINST SEED-BORNE DISEASES OF JUTE (CORCHORUS CAPSULARIS L.).

S Mahboob-E-Ilah Q A Ahmed Pakistan J Sci Res 19(4):163-170

Oct 1967 475 P173

Fungicides, Fungus diseases (plants), Jute, Seedborne plant diseases.

21888-68

PESTS OF CULTIVATED PLANTS IN FINLAND IN 1967.

M Markkula

Ann Agr Fenn 7(2):107-110

1968 20 AN7

Catalogs, Crop yields, Insect pests, Nematodes, Plant diseases, Zoogeography.

THERMAL STABILITY OF STEM RUST RE-SISTANCE IN OAT SEEDLINGS.

J W Martens R I A McKenzie G J Green

Can J Bot 45(4):451-458 REF

Apr 1967 470 C16C

Fungus diseases (plants), Oats, Plant disease resistance, Seedlings, Stem rust (oats), Temperature.

DISEASE DEVELOPMENT IN GUAR (CYAMOPSIS PSORALOIDES DC.) AND GRAM (CICER ARIETINUM L.) ATTACKED WITH SCLEROTIUM ROLFSII UNDER DIFFERENT SOIL PH CONDITIONS.

S B Mathur S Sinha

Phytopathol Z 62(4):319-322

Aug 1968 464.8 P562

Chickpeas, Crop losses, Guar, Sclerotium rolfsii, Seedlings, Soil hydrogen-ion concentration, Soilborne plant diseases. German summary.

21891-68

VARIATION IN RESPONSE TO IRON NUTRI-TION AMONG SOME CORN INBREDS. (ABSTRACT).

D N Maynard S Odurukwe Hortscience 3(2,SUMMER):110 1968 SB1.H6

Chlorosis (plants), Corn, Deficiency diseases, Environment, Iron, Physiology, Research.

PREVENTIVE MEASURES CAN CONTROL BUNCHY TOP.

M R Menon S P Christudas Indian Farming 16(2):22-23

May 1966 22 IN283

Aphididae, Bunchy top (bananas), Chemical control (insects), Insect vectors, Virus diseases (plants).

Control of the bunchy top virus of bananas and its aphid vector is discussed. I//uui s1india

CHLAMYDOSPORE FORMATION IN CONIDIA OF HELMINTHOSPORIUM SATIVUM.

R A Meronuck E H Pepper

Phytopathology 58(6):866-867 REF

Jun 1968 464.8 P56

Barley, Fungus diseases (plants), Helminthosporium sativum, Plant physiology, Spot blotch.

21894-68

RESEARCH ON FUSARIUM DISEASES. II. ECOLOGY AND PATHOLOGY OF FUSARIUM OXYSPORUM. (FR)

J A Meyer

Ann Epiphyt 18(2):241-247 REF

464.9 F84AN

Ecology, Fungus diseases (plants), Fusarium, Fusarium oxysporum, Research. English summary

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

F H Milazzo G J Lougheed

Can J Bot 45(4):532-534

Apr 1967 470 C16C

Arylsulfatase, Fomes geotropus, Wood, Wood destroying fungi.

BACTERIAL SCAB, SCLEROTINIA A BOTRYTIS ROTS OF GLADIOLUS CORMS. AND

Agr Gaz New S Wales 78(PT 6):BACK COVER Jun 1967 23 N472

Botrytis gladiolorum, Chemical control (plant diseases), Cultural control (plant diseases), Gladiolus, Plant diseases, Pseudomonas, Selerotinia.

21897-68

FOOT-ROT OF WHEAT.

Agr Gaz New S Wales 78(PT 10):598-601 Oct 1967 23 N472

Cultural control (plant diseases), Fungus diseases (plants), Root rot, Seedbeds, Superphosphates, Wheat.

Control of wheat foot rot by baring fallow infested land, erop rotation, seedbed preparations, and stubble burning is discussed.

VIRUS DISEASES OF DECIDUOUS FRUIT TREES: APPLE MOSAIC.

Agr Gaz New S Wales 78(PT 9):BACK COVER Sep 1967 23 N472

Crop losses, Germ-free life, Mosaic (apples), Plant quarantine, Virus diseases (plants).

21899-68

POWDERY MILDEW OF THE GRAPEVINE.

Agr Gaz New S Wales 78(PT 11):BACK COVER Nov 1967 23 N472

Chemical control (plant diseases), Fungus diseases (plants), Oidium, Powdery mildew (grapes), Sul-

Symptoms and chemical control of powdery mildew of grapes are discussed.

21900.68

TOMATO SPOTTED WILT (TOMATO SPOTTED WILT VIRUS).

Agr Gaz New S Wales 78(PT 10):BACK PAGE Oct 1967 23 N472

Chemical control (insects), Dimethoate, DDT, Insect vectors, Spotted wilt (tomatoes), Thrips tabaci, Virus diseases (plants).

RHIZOCTONIA STEM ROT.

Agr Gaz New S Wales 78(PT 2):BACK COVER Feb 1967 23 N472

Chemical control (plant diseases), Fungus diseases (plants), Pentachloronitrobenzene, Rhizoctonia, Soil sterilization, Stem rot.

INTERCEPTIONS IN PLANT QUARANTINE FOR THE YEAR ENDING 30TH JUNE, 1966.

Agr Gaz New S Wales 78(PT 1):52-53

Jan 1967 23 N472

Catalogs, Fungus diseases (plants), Plant quarantine, Virus diseases (plants).

LOOSE SMUT OF WHEAT.

Agr Gaz New S Wales 78(PT 4):BACK COVER Apr 1967 23 N472

Air-borne plant diseases, Hot water treatment (plants), Seed-borne plant diseases, Smut (wheat), Ustilago nuda, Wheat.

Symptoms of wheat smut caused by Ustilago nuda and its control are discussed.

SCLEROTIUM STEM ROT.

Agr Gaz New S Wales 78(PT 1):BACK COVER Jan 1967 23 N472

Chemical control (plant diseases), Fungus diseases (plants), Pentachloronitrobenzene, Sclerotium rolfsii, Stem rot.

BACTERIAL CANKER OF TOM (CORYNEBACTERIUM MICHIGANENSE). TOMATO

Agr Gaz New S Wales 78(PT 8):BACK COVER Aug 1967 23 N472

Bacterial canker, Chemical control (plant diseases), Corynebacterium michiganense, Crop losses, Tomatoes.

The symptoms of bacterial canker of tomatoes and measures for its control and prevention are discussed.

21906-68

GENETIC STUDY OF THE RESISTANCE OF COFFEA SPP. TO LEAF RUST I. IDENTIFICA-TION AND BEHAVIOR OF FOUR FACTORS CONDITIONING DISEASE REACTION IN COF-FEA ARABICA TO TWELVE PHYSIOLOGIC RACES OF HEMILEIA VASTATRIX.

M Noronha-Wagner A J Bettencourt Can J Bot 45(11):2021-2031 REF

Nov 1967 470 C16C

Coffee, Fungus diseases (plants), Genetics, Hemileia vastatrix, Leaf rust (coffee), Plant disease resistance, Plant physiology, Research.

21907-68

FERTILIZER-FUNGICIDE COMBINATIONS FOR THE CONTROL OF PYTHIUM DAMPING-OFF OF TOBACCO.

F P Obrero T T Reyes A N Pordesimo

Philippine Agr 51(3):231-240 REF

Aug 1967 25 P542

Chemical control (plant diseases), Fertilizers, Fungicious, Pythium debaryanum, Seed treatment, Tobacto.

21908-68

INVESTIGATIONS OF INHIBITING MECHANISMS IN VIRUS-INFECTED PLANTS. 3RD COMMUNICATION. PROBLEMS OF THE

21909-68

MECHANICAL TRANSMISSION OF FRUIT VIRUS TO HERBACEOUS HOST. (GE)

H Opel H Kegler

Phytopathol Z 63(1):75-95 REF

Sep 1968 464.8 P562

Fruit, Leaves, Plant disease transmission, Proteins, Research, Tables (data), Virus diseases (plants). English summary

VIRUS DISEASE SURVEY ON CITRUS IN AEGEAN REGION. (TU)

M O Ozalp T Azeri

Bitki Koruma Bulteni 7(4):167-187 REF

1967 464.8 B542

Citrus, Host indexing (plants), Insect pests, Insect vectors, Plant disease transmission, Research, Surveys, Tables (data), Tree diseases, Virus diseases (plants). English summary

21910-68

DISTRIBUTION OF LOOSE SMUT OF WHEAT (USTILAGO TRITICI (PERS) IN THE YEAR OF 1965 IN TURKEY.

M Ozkan A Esen

Bitki Koruma Bulteni 6(3):77-93

1966 464.8 B542

Plant diseases, Plant injuries, Seedlings, Smut (wheat), Ustilago tritici, Wheat.

CONTROL OF RICE BLAST THROUGH FORECASTS AND FUNGICIDES.

S 4 Padmanabhan

Indian Farming 16(3):7-8

Jun 1966 22 1N283

Blast (ricc), Fungicides, Rice.

SIX POWDERY MILDEWS FROM JAMMU AND KASHMIR STATE.

V R Pandotra J L Kachroo K S M Sastry Indian Acad Sci Proc Sect B 67(3):119-124 Mar 1968 513 1N250B

Fungus diseases (plants), Myeology, Plants, Powdery mildew (plants).

SURVIVAL OF ROOT-INFECTING FUNGI IN SOIL. II. INFLUENCE OF AMENDMENT AND SOIL CARBON-TO-NITROGEN BALANCE ON FUSARIUM ROOT ROT OF BEANS.

G C Papavizas J A Lewis P B Adams Phytopathology 58(3):365-372 REF

Mar 1968 464.8 P56

Beans, Carbon, Fungus diseases (plants), Fusarium solani phaseoli, Nitrogen compounds, Root rot, Soil amendments, Soil fungi.

21914-68

THE AUTOECIOUS SPECIES OF PUCCINIA ON HELIANTHEAE IN NORTH AMERICA.

J A Parmelee

Can J Bot 45(12):2267-2327 REF

Dec 1967 470 C16C

Fungus diseases (plants), Helianthcae, Puccinia, Uredinales.

SYSTEMATIC BREEDING PROGRAMME TO COMBINE RESISTANCE TO PHYTOPHTHORA AND THE QUALITY OF THE POTATO VARIETY BINTJE.

J A J Poos

Euphytica 16(2):167-170

Sep 1967 450 EU6

Fungus diseases (plants), Phytophthora, Plant breeding, Plant disease resistance, Potatoes.

ALTERATIONS IN THE PEACH TREES (CV. RED HAVEN) ATTACKED BY TAPHRINA DEFORMANS WITH PARTICULAR DEFORMANS WITH PARTICULAR
REFERENCE TO THE NITROGEN METABOLISM IN INFECTED AND NON-INFECTED

V Raggi

Can J Bot 45(4):459-477 REF

Apr 1967 470 C16C

Leaves, Metabolism, Nitrogen, Peaches, Plant diseases, Plant physiology, Taphrina deformans,

21917-68

RESEARCH ON THE NATURAL DIFFUSION OF SOIL-BORNE GRAPE VIRUS DISEASES IN THE ITALIAN ENVIRONMENT. (IT)

E Refatti A Amici E Betto G Belli F Librini Riv Patol Veg (SER 4)3(1,JAN-MAR):35-45 1967 464.8 R52

Environment, Grapes, Research, Soils, Virus diseases (plants). English summary

21918-68

RADIAL MOSAIC VIRUS OF GRAPEVINES. (IT

Riv Patol Veg (SER 4)3(1,JAN-MAR):23-34 REF 1967 464 8 R 52

Grapes, Host indexing (plants), Necrosis, Virus diseases (plants), Xiphinema index. English summary

ERRATUM: REACTIONS OF LODGEPOLE PINE TO ATTACK BY DENDROCTONUS PONDEROSAE HOPKINS AND BLUE STAIN FUNGI. R W Reid H S Whitney J A Watson

Can J Bot 46(4):523

Apr 1968 470 C16C

Blue stain (pinus sylvestris), Dendroctonus ponderosae, Fungus diseases (plants), Pinus, Plant disease resistance.

21920-68

PENETRANCE OF GENE I FOR FUSARIUM RESISTANCE IN THE TOMATO.

N Retig N Kedar J Katan Euphytica 16(2):252-257

Sep 1967 450 EU6

Fungus diseases (plants), Fusarium, Genetics, Plant disease resistance, Tomatoes.

TIPBURN LETTUCE AND NITROGEN METABOLISM. (ABSTRACT).

S K Ries L Baker S Ashkar Hortscience 3(2,SUMMER):124

1968 SB1.H6

Greenhouses, Lettuce, Metabolism, Nitrogen, Research, Tipburn (lettuce).

21922-68

FUNGICIDES CAN CHECK BLACK BAND OF JUTE.

A K Roy M K Shome

Indian Farming 16(3):16

Jun 1966 22 IN283

Captan, Diplodia, Fungicides, Fungus diseases (plants), Jute.

21923-68

THE INHERITANCE AND NATURE OF ALBINISM, INVOLUCRE SHAPE, AND ISM, INVOLUCRE SHAPE, AND CHLOROPHYLL DEFICIENCY IN LETTUCE. (ABSTRACT).

E J Ryder

Hortscience 3(2,SUMMER):95

1968 SB1.H6

Albinism, Chlorophylls, Color, Lettuce, Morphology, Plant nutritional deficiencies, Research.

THE 'NATA DE COCO'. I. CHARACTERIZATION AND IDENTITY OF THE CAUSAL ORGANISM.

L A Saturnino-Dimaguila

Philippine Agr 51(6):462-474 REF Nov 1967 25 P542

Acetobacter, Bacteriology, Coconuts.

INVESTIGATIONS CONCERNING THE SEROLOGICAL PROOF OF THE NECROTIC RINGSPOT VIRUS OF THE SOUR CHERRY. III. THE SEROLOGICAL VARIABILITY OF THE NECROTIC RINGSPOT VIRUS OF THE SOUR CHERRY. (GE)

C Schade

Phytopathol Z 62(4):334-342 REF

Aug 1968 464.8 P562

Cherries, Necrotic ring spot (cherries), Prunus, Research, Serological tests, Virus diseases (plants). English summary

AFLATOXINS: PRODUCTION OF THE TOXINS IN VITRO IN RELATION TO TEMPERATURE.

H W Schroeder H Hein Jr.

Appl Microbiol 15(2):441-445

Mar 1967 448.3 AP5

Aflatoxin, Aspergillus flavus, Cottonsecd, Culture media, Fungus diseases (plants), Peanuts, Ricc, Temperature.

THE DYNAMICS OF VIRUS-INDUCED CHANGES IN THE RELEASE OF SUBSTANCES FROM LEAVES AND SPROUTS. (GE)

G Schuster

Phytopathol Z 62(4):351-364

Aug 1968 464.8 P562

Leaves, Plant disease control, Plant physiology, Research, Tables (data), Virus diseases (plants). English summary

SEROLOGICAL BEHAVIOR OF CUCUMBER MOSAIC VIRUS (STRAIN Y) AND THE VIRUS PROTEIN.

H.A. Scott

Virology 34(1):79-90 REF

Jan 1968 448.8 V81

Cucumbers, Mosaic (cucumbers), Serological tests, Virus diseases (plants).

21929-68

PETIOLE DISEASE OF COCONUT IN PAPUA.

D E Shaw C Booth

Papua New Guinea Agr J 19(2):89-93

Sep 1967 23 N453

Coconuts, Fungicides, Fungus diseases (plants).

EFFECT OF GROWTH-REGULATORS ON TRANSLOCATION AND DISTRIBUTION OF AMINO ACIDS, ORGANIC ACIDS, AND SUGARS IN MUSCAT OF ALEXANDRIA GRAPES. (ABSTRACT).

W W Shindy W M Kliewer R J Weaver Hortscience 3(2,SUMMER):113

1968 SB1.H6

Amino acids, Chemicals, Grapes, Organic compounds, Plant physiology, Plant regulators, Plant translocation, Research, Sugars.

MAGNESIUM NUTRITION OF APPLE TREES AS AFFECTED BY A WIDE RANGE OF FER-TILIZER MATERIALS. (ABSTRACT). C B Smith

Hortscience 3(2,SUMMER):106

1968 SB1.H6

Apples, Deficiency diseases, Fertilizers, Leaves, Magnesium, Research, Trees.

21932-68

MORPHOLOGY AND PATHOGENICITY OF SINGLE-SPORE ISOLATES OF ALTERNARIA LONGIPES. (ABSTRACT).

E K Sohers

Phytopathology 58(6):731

Jun 1968 464.8 P56

Alternaria longipes, Brown spot, Fungus diseases (plants), Plant morphology, Spores, Tobacco.

CAN TAICHUNG NATIVE--I STAND UP TO BACTERIAL BLIGHT.

D N Srivastava V P Rao J C Durgapal

Indian Farming 16(2):15 May 1966 22 IN283

Bacterial diseases (plants), Crop losses, Plant disease resistance, Rice.

NEW APPROACHES IN DISEASE CONTROL.

D N Srivastava

Indian Farming 16(6):38-39,149

Sep 1966 22 IN 283

Bacterial diseases (plants), Chemical control (plant diseases), Cultural control (plant diseases),

The epidemiology and control of bacterial blight and other rice diseases are given.

21935-68

BIOLOGICAL CHARACTERISTICS OF FOMES FOMENTARIUS FOUND ON SPRUCE AND BIRCH.

P A Suvorov

Can J Bot

Oct 1967 470 C16C

Betula, Biology, Fomes fomentarius, Fungus diseases (plants), Pieca, Properties.

VITAVAX- A NEW SYSTEMIC FUNGICIDE. (GE)

H D Tate B V Schmeling

Pflanzenschutzberichte 37(12):193-196

Jun 1968 464.9 P48

Biochemistry, Chemical control (plant diseases), Dihydro-5-carboxanilido-6-methyl-1,4-oxathiin,2,3-, Fungicides, Fungus diseases (plants), Rhizoctonia solani, Tilletia caries, Tilletia controversa, Ustilago hordei, Ustilago nuda. English summary given at 6th International Congress for Plant Protection vienna, 1967.

PURIFICATION AND PROPERTIES OF BROAD BEAN WILT VIRUS.

R H Taylor P R Smith C Reinganum A J Gibbs Australian J Biol Sci 21(5):929-935 REF Oct 1968 442.8 AU72

Broadbeans, Scrological tests, Virus diseases (plants), Wilt (broadbeans).

21938-68

NOTES ON THE SMUT GENERA ENTORR-HIZA AND SCHROETERIA.

M J Thirumalachar M D Whitehead Amer J Bot 55(2):183-186 REF Feb 1968 450 AM36

Catalogs, Taxonomy, Ustilaginales.

21939-68

A STUDY ON THE EPIDEMIOLOGY OF STRIPE RUST, PUCCINIA STRIIFORMIS WEST., IN CALIFORNIA.

H Tollenaar B R Houston

Can J Bot 45(3):291-307 MAP REF

Mar 1967 470 C16C

Epidemiology, Fungus diseases (plants), Puccinia striiformis, Research, Stripe rust (wheat), Wheat.

21940-68

THE USE OF DENSITY GRADIENT CENTRIFUGATION IN A ZONAL CENTRIFUGE ROTOR DURING THE PRUIFICATION OF A PEAR VIRUS.

J A Tomlinson S H Smith

J Gen Virol (3,PT 1):153-156

Jul 1968 Q0R360.0A10J6

Centrifugation, Density, Pears, Research, Tables (data), Virus diseases (plants).

21941-68

THE INFLUENCE OF INDUCED SOIL MOISTURE STRESS UPON FOMES ANNOSUS ROOT ROT OF LOBLOLLY PINE.

B Towers W J Stambaugh

Phytopathology 58(3):269-272 REF

Mar 1968 464.8 P56

Fomes annosus, Fungus diseases (plants), Greenhouse culture, Pinus taeda, Root rot, Soil moisture, Temperature.

21942-68

EFFECT OF MAIZE DWARF MOSAIC VIRUS INFECTION ON RESPIRATION PHOTOSYNTHESIS OF CORN.

J C Tu R E Ford

Phytopathology 58(3):282-284 REF

Mar 1968 464.8 P56

Corn, Dwarf disease, Mosaic, Photosynthesis, Respiration, Virus diseases (plants).

21943-68

COMPARISONS OF CHLOROPLASTS AND PHOTOSYNTHETIC RATES OF PLANTS INFECTED AND NOT INFECTED BY MAIZE DWARF MOSAIC VIRUS.

J C Tu R E Ford C J Krass

Phytopathology 58(3):285-288 REF

Mar 1968 464.8 P56

Chloroplasts, Corn, Dwarf disease, Mosaic, Photosynthesis, Sorghum, Virus diseases (plants).

CONTRIBUTION TO THE PHYSIOLOGICAL STUDY ON THE EFFECT OF THE SUBSTANCE ISOLATED FROM CONIDIA OF THE FUNGUS ERYSIPHE GRAMINIS F. SP. HORDEI MARCHAL.

G Vizarova A Janitor

Phytopathol Z 62(4):311-318 REF

Aug 1968 464.8 P562

Erysiphe graminis, Fungus diseases (plants), Indoleacetic acid, Oats, Plant physiology, Research, Seed germination. German summary

21945-68

SEROLOGICAL STUDIES ON BROMEGRASS MOSAIC VIRUS AND ITS PROTEIN FRAG-MENTS.

M B Von Wechmar M H V Van Regenmortel Virology 34(1):36-45 REF

Jan 1968 448.8 V81

Bromus, Mosaic (bromus), Proteins, Serological tests, Virus diseases (plants).

21946-68

NEW RECORDS OF PLANT DISEASES IN NEW SOUTH WALES.

J Walker

Agr Gaz New S Wales 78(PT 1):47-51 MAP

Jan 1967 23 N472

Bacterial diseases (plants), Catalogs, Fungus diseases (plants), Plant diseases, Plant nematodes, Zoogeography.

21947-68

ISOLATION, INCIDENCE, AND VIRULENCE OF ASCOCHYTA SPP. OF PEAS FROM THE SOIL.

V R Wallen S I Wong J Jeun

Can J Bot 45(12):2243-2247 REF

Dec 1967 470 C16C

Ascochyta, Fungus diseases (plants), Peas, Soils.

21948-68

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 (tobaeco), Inclusion bodies, Physiology, Tobacco, Virus diseases (plants).

21949-68

SOME SEASONAL ASPECTS OF THE GROWTH OF TUMORS ON THE WHITE SPRUCE, PICEA GLAUCA.

P R White G Tsoumis F Hyland Can J Bot 45(11):2229-2232

Nov 1967 470 C16C

Picea glauca, Plant diseases, Plant galls, Plant physiology, Seasons.

21950-68

COMPARATIVE SUSCEPTIBILITY OF LARGE AND SMALL SPRUCE ROOTS TO POLYPORUS TOMENTOSUS.

R D Whitney

Can J Bot 45(11):2227-2229

Nov 1967 470 C16C

Fungus diseases (plants), Picea, Plant disease resistance, Polyporus tomentosus, Roots.

21951-68

SOME EFFECTS OF A GROWTH RETARDANT ON SHOOT MERISTEMS OF APPLE. (AB-STRACT).

M Wilde L J Edgerton

Hortscience 3(2,SUMMER):125

1968 SB1.H6

Abnormalities, Apples, Dimethyl amino succinamic acid, N-, Histology, Plant regulators, Research, Seedlings, Spraying.

DETERIORATION OF TREATED AND UNTREATED COTTONSEED DURING HUMID STORAGE.

A B Wiles

Phytopathology 58(3):289-293

Mar 1968 464.8 P56

Bacterial diseases (plants), Cottonseed, Fungicides, Fungus diseases (plants), Humidity, Mercury compounds, Seed germination, Storage.

Abstract: Used surface sterilization with alcoholic mercuric chloride, and surface treatment with organic mercury fungicide.

21953-68

EFFECT OF CYTOKININS ON APPLE SHOOT DEVELOPMENT FROM AXILLARY BUDS.

M W Williams E A Stahly

Hortscience 3(2,SUMMER):68-69

1968 SB1.H6

Apples, Chemicals, Mitosis, Morphology, Plant hormones, Research, Trees.

FINE STRUCTURE OF PLASMODIOPHORA BRASSICAE IN SPOROGENESIS.

P H Williams S S McNabola

Can J Bot 45(9):1665-1669 REF

Sep 1967 470 C16C

Anatomy, Cells, Fungus diseases (plants), Plant physiology, Plasmodiophora brassicae.

21955-68

THE EFFECT OF SCAB RESISTANCE ON FRUIT LENGTH IN SLICING CUCUMBERS. (ABSTRACT).

J N Wilson H M Munger

Hortscience 3(2,SUMMER):107-110

1968 SB1.H6

Cucumbers, Physiology, Plant diseases, Research, Scab (cucumbers).

MICRONUTRIENT EFFECTS ON THE IN VITRO GROWTH AND PATHOGENICITY OF FUSARIUM OXYSPORUM F. SP. LYCOPER-

S S Woltz J P Jones

Phytopathology 58(3):336-338

Mar 1968 464.8 P56

Boron, Copper, Culture media, Fungus diseases (plants), Fusarium oxysporum lycopersici, Iron, Manganese, Micronutrients, Molybdenum, Plant nutritional deficiencies, Plant physiology, Tomatoes, Wilt, Zinc.

21957-68

SELECTIVE RETENTION OF UREDOSPORES BY LEAVES.

C E Yarwood

Phytopathology 58(3):359-361 REF

Mar 1968 464.8 P56

Beans, Fungus diseases (plants), Leaves, Rust, Spore germination, Water.

ARTHROPODS

21958-68

VIRUS DISEASES OF THE ROSE. (GE)

F Afscharpour H Faber

Gesunde Pflanzen 19(11):226,228-231 REF Nov 1967 464.8 G33

CROP PROTECTION

21959-68

Insect control, Insect vectors, Nematodes, Plant quarantine, Rosa, Therapeutics, Virus diseases (plants), Water. Viruses noted were: rose mosaic, rose yellow mosaic, rose streak virus, rose wilt, rose die-back, rose virus 1,2, and 3, apple mosaic, peach mosaic, rose cowl, and rose mottling.

21959-68

CONTROL OF BACHACS.

Agr Soc Trinidad Tobago J 67(1):13-15

Mar 1967 8 T73

Agricultural legislation, Atta, Pest control, Plant protection.

21960-68

CONTROL OF THE BANANA WEEVIL.

Agr Soc Trinidad Tobago J 68(1):23-24

Mar 1968 8 T73

Bananas, Chemical control (insects), Cosmopolites sordidus, Dieldrin, Plant injuries.

21961-68

EFFECTS OF PHENOLS ON THE PLANT.

S Amer E M Ali

Beit Biol Pflanz 44:59-65

1968 450 C66

Crops, Insect control, Insect pests, Phenols, Research, Seed germination, Seed treatment.

21962-68

HELIOTHIS SPECIES LEPIDOPTERA: NOCTUIDAE IN PAPUA AND NEW GUINEA.

J H Barrett

Papua New Guinea Agr J 19(2):61-66 REF

Sep 1967 23 N453 Catalogs, Chemical control (insects), Heliothis, In-

seet taxonomy.

21963-68

SEVERAL OBSERVATIONS ON THE NATURE OF THE SPRING DEVELOPMENT OF CHERMES TARDUS DREYF. (FR)

R Baurant

Gembloux Inst Agron Etat Bull 3(2):226-233 1968 105.1 G285

Adelges, Aphididae, Chemical control (insects), Insect biology. English, German and Afrikaan abstract

The activities of the Fundatrix-stage of the spruce gall aphid, Chermes tardes were observed prior to the budbreak of its host-plant. Chemical sprays were found effective when used before March 9 in the 1967 study.

21964-68

BANANA BEETLE BORER CONTROL IN-VESTIGATIONS ON THE NORTH COAST OF NEW SOUTH WALES.

B M Braithwaite

Agr Gaz New S Wales 78(PT 6):359-365

Jun 1967 23 N472

Aldrin, Bananas, Chemical control (insects), Cosmopolites sordidus, Dieldrin, Heptachlor.

21965-68

TRANSMISSION OF TRANSITORY YELLOW-ING VIRUS OF RICE BY TWO LEAFHOPPERS. R Chiu J Jean M Chen T Lo

Phytopathology 58(6):740-745 REF

Jun 1968 464.8 P56

Insect vectors, Nephotettix cincticeps, Plant disease transmission, Rice, Virus diseases (plants).

21966-68

A CONTRIBUTION TO THE FRUIT FLY RESISTENCE IN CERTAIN LINES OF CORN AND HYBRIDS. (GE)

B Dolinka

Pflanzenschutzberichte 38(8/9):115-122 REF Jul 1968 464.9 P48

Breeding, Corn, Crop losses, Insect pests, Oscinella frit, Plant injuries, Research. English summary

21967-0

CACAO FLUSH DEFOLIATING CATERPIL-LARS IN PAPUA AND NEW GUINEA.

G S Dun

Papua New Guinea Agr J 19(2):67-71

Sep 1967 23 N453

Cacao, Catalogs, Caterpillars, Insect pests.

21968-68

OBSERVATIONS ON PENETRATION OF LIN-DEN BRANCHES BY STYLETS OF THE APHID LONGISTIGMA CARYAE.

R F Evert W Eschrich J T Medler F J Alfieri

Amer J Bot 55(7):860-874 REF Aug 1968 450 AM36

Aphididae, Food habits, Plant physiology, Saliva, Stylets, Tilia americana.

21969-68

SOME OBSERVATIONS ON EGG DIAPAUSE IN THE TRINIDAD SUGAR CANE FROGHOPPER, AENEOLAMIA VARIA SACCHARINA (HOMOPTERA, CERCOPIDAE).

D W Fewkes

Entomol Mon Mag (SER.4)99(287-8):224-228 Nov 1963 421 EN86

Acneolamia varia saecharina, Crop yields, Environment, Histology, Insect morphology, Reproduction, Research, Sugarcane.

21970-68

SOME FACTORS INFLUENCING CONTROL OF THE TWO-SPOTTED SPIDER MITE TETRANYCHUS URTICAE KOCH (ACARINA: TETRANYCHIDAE), ON GREENHOUSE CUCUMBERS.

W H Foott

Entomol Soc Ontario Proc 95:108-115

1964 420 ON8

Acaricides, Cucumbers, Greenhouses, Insect control, Research, Spraying, Tetranychus urticae.

21971-68

INSECTICIDE TREATMENT OF WATER LILY PONDS TO STOP CADDIS FLY DAMAGE.

J G Gellatley

Agr Gaz New S Wales 78(PT 7):421-422

Jul 1967 23 N472

Aquatic plants, Chemical control (insects), Dimethoate, Trichoptera.

21972-68

MITES OF CAMELLIA.

F A Gibson

Agr Gaz New S Wales 78(PT 11):663-664 Nov 1967 23 N472

 $\label{lem:campounds} Camellia, Chemical control (insects), Mites, Sulfur compounds.$

Chemical control of three camellia mites in Australia with lime sulfur is discussed.

21973-68

THE SITONA WEEVIL--A PEST OF LUCERNE (SITONA HUMERALIS).

L R Greenup

Agr Gaz New S Wales 78(PT 9):528-529

Sep 1967 23 N472

Alfalfa, Azinphosethyl, Chemical control (insects), DDT, Insect behavior, Sitona.

The life cycle, occurrence, dispersal, and chemical control of the Sitona weevil of alfalfa in Australia is discussed.

21974-68

CICADAS AS PESTS IN NEW SOUTH WALES.

L R Greenup

Agr Gaz New S Wales 78(PT 1):42-46 Jan 1967 23 N472

Cicadidae, Grapes, Plant injuries.

21975-68

THE BLUE OAT MITE PENTHALEUS MAJOR (DUGES) (ACARINA: EUPODIDAE).

L R Greenup

Agr Gaz New S Wales 78(PT 7):410-411

Jul 1967 23 N472

Chemical control (insects), DDT, Grain, Grasses, Penthaleus major.

Chemical control of the blue oat mite, Penthalcus major, a grain and pasture crop pest in Australia is discussed.

21976-68

RESULTS OF EFFICIENCY STUDIES ON CARBARYL IN GRANULAR FORM AT 5 PER CENT AND 7.5 PER CENT OF THE ACTIVE INGREDIENT FOR THE CONTROL OF PYRALIDS OF CORN. (FR)

D Hadzistevic

Rev Zool Agr Appl 66(4-6, 2ND

TRIMESTER):44-48 1967 410.9 SO12

Carbaryl, Chemical control (insects), Corn, Insecticides, Ostrinia nubilalis, Pyralidae.

Details of the life history of the codling plum moth were confirmed experimentally throughout 1966.

21977-68

PESTS.

P. Israel

Indian Farming 16(6):26,120-121

Sep 1966 22 IN283

Chemical control (insects), Cultural control (insects), Rice.

Chemical and agronomic controls of insect pests of rice in India are discussed

21978-68

CUTTING DOWN CANE LOSSES FROM TERMITES AND SHOOT BORER.

A N Kalra

Indian Farming 16(8):28-29

Nov 1966 22 IN283

Chlordane, Diatraea saccharalis, Dusting, Heptachlor, Insect control, Insecticides, Sugareane, Telodrin, Termites.

21979-68

COLEOPTERA ATTACKING TREE AND SHRUB PLANTINGS IN THE CITY OF KHAR-KOV

Yu P Maksimova

Entomol Rev 46(4,OCT-DEC):471-474

Dec 1967 421 R322AE

Catalogs, Coleoptera, Predaceous insects, Shrubs, Trees, Zoogeography. Russian journal pp. 799-804

21980-68

CHENOPODIUM TEST FOR THE DEMONSTRATION OF THE PRESENCE OF THE LETTUCE MOSAIC VIRUS I IN SEEDS. (GE)

J Marrou

Umschau 68(6):185

14 Mar 1968 474 UM7

Aphididae, Chenopodium, Methodology, Mosaic (lettuce), Research, Seeds, Virus diseases (plants).

21981-68

THE USE OF ATTRACTANTS IN PEST CONTROL. (GE)

K Mayer

Gesunde Pflanzen 20(6):120,122,124-126 REF Jun 1968 464.8 G33

Ammonia, Attractants, Biochemistry, Chemical control (insects), Citrus, Geraniol, Insect eggs, Insect repellents, Oils, Pest control, Pheromones, Population, Sex attractants, Social insects.

21982-68

STUDIES ON BIOLOGY OF BANMALIKA LEAF MINOR (AGROPISTIS LIMATUS, MOTH., COLEOPTERA, HALTICIDAE.) A SERIOUS PEST OF BANMALIKA (JASMINUM AQUESTIFOLIUM, VOHL.) IN RAJASTHAN. V P Mital

Agra Univ J Res Sci 16(PT 1):89-91

Jan 1967 513 AG8

Chrysomelidae, Jasminum, Leaf miners, Life cycle.

21983-68

CUTWORMS AND ARMYWORMS.

Agr Gaz New S Wales 78(PT 4):230-233

Apr 1967 23 N472

Carharyl, Chemical control (insects), Cultural control (insects), DDT, Natural control (insects), Noctuidae, Trichlorfon.

Prevention and chemical and cultural controls for

army and cutworms in Australian crops are discussed.

21984-68

THE PEAR AND CHERRY SLUG.

Agr Gaz New S Wales 78(PT 3):182-183 Mar 1967 23 N472

Caliroa cerasi, Chemical control (insects), Cherries, Lead arsenate, Malathion, Mevinphos, Pears.

Chemical control of Caliroa cerasi larvae, a pear and cherry leaf pest is discussed.

21985-68

ON THE TWO MEGASTIGMUS SPECIES (HYM., TORYMIDAE) OF THE JUNIPER SEED (JUNIPERUS COMMUNIS L.). (GE)

M Nuorteva

Suomen Hyonteistieteellinen Aikakauskir Ann Entomol Fenn 33(2)2121-124 REF 30 Aug 1967 421 SU7

Hymenoptera, Juniperus, Seeds.

21986-68

SEASONAL AND ZONAL DISTRIBUTION OF ICHNEUMONIDAE (HYM.) ON A SUBARCTIC FELL DURING A CALAMITY OF THE GEOMETRID MOTH OPORINIA AUTUMNATA (BKH.) ON BIRCHES.

P Nuorteva R Jussila

Suomen Hyonteistieteellinen Aikakauskir Ann Entomol Fenn 33(3):155-163 REF 02 Nov 1967 421 SU7

Betula, Geometridae, Ichneumonidae, Seasonal variation, Zoogeography.

21987-68

CARABIDAE AND STAPHYLINIDAE OCCURING ON SOIL SURFACE IN LUCERNE FIELDS. R Obttel

Acta Ent Boltemoslov 1(65):5-20 REF 1968 420 C33

Alfalfa, Carabidae, Epidemiology, Field crops, Insect outbreaks, Insect pests, Precipitation, Soil horizons, Staphylinidae, Temperature.

21988-68

HONEY BEES AS POLLINATORS OF RED CLOVER.

T Palmer-Jones

New Zeal J Agr 114(1):34-35 Jan 1967 23 N48J

Apis mellifera, Clover, Pollination.

21989-68

NEW METHODS OF PEST CONTROL.

M D Pathak

Indian Farming 16(6):37,128-131,156

Sep 1966 22 IN283

Biological control (insects), Chemical control (insects), Insecticides, Integrated control (insects), Lindane, Methyl parathion, Rice.

Chemical, biological and integrated control of insect pests of rice in the Philippines are presented.

21990-68

ON THE USE OF ENTOMOPATHOGENIC BACTERIA TOGETHER WITH INSECTICIDES IN THE CONTROL OF INSECT PESTS.

V P Pristavko

Entomol Rev 46(4,OCT-DEC):443-446 REF

Dec 1967 421 R322AE

Bacteria, Entomogenous fungi, Insecticides, Integrated control (insects), Leptinotarsa decemlineata. Russian journal pp. 753-759

21991-68

DD-136 NEMATODE THAT CAN KILL MANY INSECT PESTS.

V P Rao T M Manjunath Indian Farming 16(2):43-44

May 1966 22 IN283

Bacteria, Biological control (insects), Insect control, Nematodes.

The life cycle, and potential use of a nematode, DD-136, for control of various crop pests is discussed. A partial host list is included.

21992-68

CHANGES IN THE YIELD AND PROTEIN QUANTITY OF OAT CAUSED BY RHOPALOSIPHUM PADI (L.) (HOM., APHIDIDAE).

J Rautapaa

Ann Agr Fenn 7(2):95-104 REF

1968 20 AN7

Crop yields, Oats, Proteins, Rhopalosiphum padi.

21993-6

TESTS FOR INHERITANCE OF DIELDRIN-RE-SISTANCE IN THE CABBAGE MAGGOT, HYLEMYA BRASSICAE (BOUCHE).

D C Read

Entomol Soc Ontario Proc 95:128-132

1964 420 ON8

Cabbage, Dieldrin, Equipment, Genetics, Hylemya brassicae, Insect rearing, Research.

21994-68

INSECTICIDES, FUNGICIDES AND ANTIBIOTICS.

S Singh

Indian Farming 16(6):51,53,151

Sep 1966 22 IN283

Antibiotics, Chemical control (pests), Chemical control (weeds), Fungicides, Insecticides, Rice.

A discussion of equipment and chemical agents used for the control of rice pests in India is given.

21995-68

THE WESTWARD MOVEMENT OF PINK BOLLWORM.

J F Spears

Entomol Soc Amer Bull 14(2):118-119

Jun 1968 423.9 EN8

Cotton, Insect biology, Insect control, Insect migration, Insect pests, Pectinophora gossypiella, Plant injuries, Population.

21996-68

REACTION OF TOMATO VARIETIES AND BREEDING LINES TO APHIDS.

A K Stoner R E Webb A G Gentile Hortscience 3(2,SUMMER):77

1968 SB1.H6

Breeding, Macrosiphum euphorbiae, Research, Tomatoes, Weather.

21997-68

SELECTING TOMATOES FOR RESISTANCE TO SPIDER MITES.

A K Stoner

Hortscience 3(2,SUMMER):110

1968 SB1.H6

Insect identification, Leaves, Plant injuries, Research, Tetranychus cinnabarinus, Tomatoes.

1998-68

STUDY OF AN ITONIDID (CONTARINIA MEDICAGINIS KIEFFER) AND OF ITS HOST. (FR)

M G Strebler

Paris Acad Agr France Compt Rend Seances Hebd 54(8):584-586

15 May 1968 14 P215BC

Contarinia, Corn, Crop losses, Life cycle.

21999-68

RESEARCH ON THE CHEMICAL CONTROL OF ACERIA SHELDONI. (TU)

C Tokmakoglu O Z Soylu M Y Celik Bitki Koruma Bulteni 7(4):155-166

1967 464.8 B542

Acaricides, Aceria sheldoni, Biochemistry, Chemical control (insects), Chemicals, Citrus, Insect migration, Insect pests, Population, Research, Spraying. English summaries. Chemicals used were: chlorobenzilate, chloropropylate and eradex.

22000-68

WAR ON LOCUSTS GOES ON.

M Woodstock

Indian Farming 16(2):20

May 1966 22 IN283

Aerididae, Insect control.

A brief description of the British Ministry of Overseas Development's activity concerning the control of locusts is presented.

22001-68

SUSCEPTIBILITY TO INSECTICIDES OF THE GREEN RICE LEAFHOPPER, NEPHOTETTIX CINCTICEPS UHLER, COLLECTED FROM VARIOUS LOCALITIES. (JA)

K Yoshioka T Iwata

Jap J Appl Entornol Zool 11(4):193-195

Dec 1967 475 J27

Chemical control (insects), Geography, Insecticides, Nephotettix cincticeps, Research, Rice.

NEMATODES

22002-68

TRANSMISSION AND MORPHOLOGICAL STUDIES OF DISEASED H VICTORIAE.

B Anastasiadis

Diss Abstr Sect B 29(5):1540B

Nov 1968 Z5055.U49D53

Culture media, Fungi, Helminthosporium victoriae, Morphology, Nematodes, Research.

2003-68

PROBLEMS OF NEMATODE CONTROL IN BAVARIAN POTATO CULTURES. (GE

P Behringer

Gesunde Pflanzen 20(10):227,228,230-231

Oct 1968 464.8 G33

Biochemistry, Chemical control (nematodes), Crop rotation, Nematodes, Plant nematode resistance, Potatoes, Research, Soils.

22004-68

EFFICACY OF VORLEX ON MITES AND NE-MATODES ON GLADIOLUS CORM DEBRIS IN SANDY SOILS OF FLORIDA. (ABSTRACT).

A W Engelhard A J Overman

Phytopathology 58(6):727

Jun 1968 464.8 P56 Biochemistry, Chlorinated hydrocarbons, Gladiolus, Mcloidogyne, Methyl isothiocyanate, Mites, Plant nematodes, Plant pest control, Sandy soils. Vorlex is a mixture of chlorinated hydrocarbons and methyl isothiocyanate.

22005-68

CONCERNING THE DISTRIBUTION OF FREE-LY OCCURRING NEMATODES OF THE GENUS PRATYLENCHUS ON AGRICUL-TURALLY USED AREAS IN WESTPHALIA-LIPPE. (GE)

A Kemper

Gesunde Pflanzen 20(6):127-130

Jun 1968 464.8 G33

Crop rotation, Crops, Ditylenchus dipsaci, Fertilizers, Heterodera avenae, Nematodes, Pratylenchus, Soil hydrogen-ion concentration, Soil testing.

22006-68

RED RING (RADINAPHELENCHUS COCOPHILUS) OF THE COCONUT TREE IN THE ZONE OF TUMACO (NARINO). (SP)

A Sanchez Potes

Agr Trop 23(7):433-449 REF

Jul 1967 26 AG8

Arsenites, Chemical control (insects), Chemical control (nematodes), Curculionidae, Endrin, Insect vectors, Plant disease transmission, Plant nematodes, Red ring (coconuts), Zoogcography.

22007-69

PROBLEMS OF THE CONTROL OF THE CEREAL CYST NEMATODE (HETERODERA AVENAE) IN BAVARIA. (GE)
F Wagner P Behringer

Gesunde Pflanzen 20(10):231-233 Oct 1968 464.8 G33

CROP PROTECTION

22008- 68

Crop losses, Grain, Heterodera avenae, Nematodes, Pest control, Plant injuries, Plant nematode resistance, Plant protection, Zoogeog-

WEEDS

22008-68

SOME IMPORTANT WEEDS THE NORTHERN TERRITORY.

Anonymous

2P

0000 SB613.A8H3

Weeds.

22009-68

CHEMICAL CONTROL OF WEEDS IN DRAINS.

G J Batten

New Zeal J Agr 114(4):26-29

Apr 1967 23 N48J

Aquatic weeds, Chemical control (weeds), Herbicides.

The chemical control of weeds in drains in New Zealand is discussed giving specific directions for control of blackberry, raupo, mercer, and purva grasses, rushes, water milfoil and reed sweetgrass.

22010-68

FLURENOL- A HERBICIDE WITH NEW PRO-PERTIES. (GE)

J Berker

Gesunde Pflanzen 20(5):102,104-106

May 1968 464.8 G33

Biochemistry, Chemical control (weeds), Grain, Herbicides, Methyl-4-chlorophenoxyacetic acid, 2-, Plant physiology, Roots, Soil adsorption.

EXPERIMENTAL RESULTS CONCERNING THE CHEMICAL CONTROL OF WEEDS IN YOUNG LUCERNE FIELDS. (RUM)

A Ciorlaus H Bredt M Enica M Guta D Halalau et. al.

Probl Agr 20(9):21-30

1968 21 R862

Alfalfa, Chemical control (weeds), Herbicides. English, Russian and French abstracts

22012-68

TRIFLURALIN-TREATED CLOTH CONTROLS WEEDS IN GERANIUM PLANTINGS. (AB-STRACT).

L L Danielson

Hortscience 3(2,SUMMER):140-141

1968 SB1.H6

Chemical control (weeds), Equipment, Pelargonium hortorum, Planting, Research, Soils, Temperature, Trifluralin.

22013-68

EXPERIMENTS WITH TORDON HERBICIDE IN SMALL GRAINS.

R L Gantz I. E Warren

Weed Soc Amer Abstr 1966 MEETING:4

1966 241 W 41

Barley, Chemical control (weeds), D, 2,4-, Grain, Herbicides, Picloram, Polygonum convolvulus, Spraying, Wheat.

22014-68

CHANGED METHOD OF NATA USE IN THE CONTROL OF AGROPYRON REPENS ON ARABLE LAND. (GE)

F Herbold

Gesunde Pflanzen 19(11):236-238

Nov 1967 464.8 G33

Agropyron repens, Antitoxins, Biochemistry, Chemical control (weeds), Clay soils, Crop rotation, Methodology, Plant translocation, Tillage, Toxicology, Trichloroacetic acid.

EFFICACY OF A STALE SEEDBED APPROACH FOR PROVIDING WEED CONTROL IN PICK-LING CUCUMBERS. (ABSTRACT).

F D Hess A R Putnam

Hortscience 3(2.SUMMER):98

1968 SR1 H6

Chemical control (weeds), Cucumbers, Herbicides, Research, Seedbeds.

BIBLIOGRAPHY

22016-68

THE FIELD THISTLE (CIRSIUM ARVENSE SCOP.)IN THE GRASSLANDS. BIOLOGY AND MEANS OF CONTROL. (FR)

P Limbourg

Gembloux Inst Agron Etat Bull 3(2):331-340 RFF

1968 105.1 G285

Chemical control (weeds), Cirsium arvense, Pastures, Picloram. French abstract

22017-68

THE THREE R'S OF HERBICIDE USE.

M K Mathur

Indian Farming 16(2):18-19

May 1966 22 IN 283

Herbicides, Time.

Mathematical calculations for the formulation of various liquid and dry herbicides along with a list of their active ingredients are given. The type, dosage and application times of herbicides for Indian crops are discussed.

WEEDICIDES IN SEDGE CONTROL TRIALS.

D M E Merry

New Zeal J Agr 114(4):44-45,47

Apr 1967 23 N48J

Carex, Chemical control (weeds), Herbicides, Weed control.

Herbicides for control of Australian sedge in New Zealand are discussed. Most effective chemicals and application methods are given.

22019-68

CONTROLLING HAIRGRASS (DESCHAMPSIA CAESPITOSA). (GE)

J Meyer H P Hadenfelt

Gesunde Pflanzen 20(4):75-79

Apr 1968 464.8 G33

Biochemistry, Calcium, Chemical control (weeds), Deschampsia, Herbicides, Paraquat.

AUSTRALIAN SEDGE IN NEW ZEALAND.

B P J Molloy E Edgar

New Zeal J Agr 114(4):41-44

Apr 1967 23 N48J

Carex, Plant ecology, Plant quarantine, Weed con-

The identification and history of Australian sedge in New Zealand is discussed. Plant quarantine stations are analysing ecological studies to combat the weed.

22021-68

CHEMICAL WEED CONTROL IN PICKLING CUCUMBERS. (ABSTRACT).

T J Monaco C H Miller

Hortscience 3(2,SUMMER):94

1968 SB1.H6

Chemical control (weeds), Cucumbers, Herbicides, Research, Weeds.

22022-68

UP TO DATE WEED CONTROL IN HORTICUL-TURE.

H Neururer

Pflanzenarzi 21(4):51-54

01 Apr 1968 464.9 P482

Biochemistry, Chemical control (weeds), Crop rotation, Crop yields, Herbicides, Photosynthesis, Potassium, Spraying, Tables (data), Weeds.

22023-68

FACTORS AFFECTING THE PERFORMANCE OF PREEMERGENCE AND POSTEMERGENCE HERBICIDES IN PICKLING CUCUMBERS.

A R Putman

Hortscience 3(2,SUMMER):94

1968 SB1.H6

Chemical control (weeds), Cucumbers, Environment, Herbicides, Research, Soil structure.

EFFECT OF DICAMBA ON WHEAT AND WILD BUCKWHEAT AT VARIOUS STAGES OF DEVELOPMENT.

P C Quimby J D Nalewaja

Weed Soc Amer Abstr 1966 MEETING:5

1966 241 W41

Chemical control (weeds), Dicamba, Herbicides, Plant physiology, Polygonum convolvulus, Wheat.

MECHANICAL CONTROL OF COTTON WEEDS.

P K Rangaiah

Indian Farming 16(2):30-31

May 1966 22 IN283

Cotton, Cultural control (weeds), Weed control.

The author discusses the advantages and techniques of mechanical control of weeds in cotton fields in India.

22026-68

THE HERBICIDAL ACTIVITY OF MSMA AND DSMA ON PURPLE NUTSEDGE.

A B Richards J W Whitworth

Weed Soc Amer Abstr 1966 MEETING:8

1966 241 W41

Arsenic compounds, Chemical control (weeds), Cyperus rotundus, Disodium methanearsonate, Dosage, Herbicides, Monosodium acid methanearsonate, Plant physiology.

22027-68

THE RESPONSE OF RICE AND BARNYARD GRASS TO 3,4-DICHLOROPROPIONANILIDE.

J N Sierra M R Vega

Philippine Agr 51(5):438-451 Oet 1967 25 P542

Grasses, Plant metabolism, Propanil, Rice.

22028-68

CONTROLLING BARNYARD GRASS IN RICE.

D J Swain

Agr Gaz New S Wales 78(PT 8):473-475

Aug 1967 23 N472

Chemical control (weeds), Echinoehloa, Propanil, Rice.

22029-68

WEED CONTROL IN UPLAND RICE AT THE UNIVERSITY OF THE PHILIPPINES COLLEGE OF AGRICULTURE.

M R Vega J D Ona E C Paller

Philippine Agr 51(5):397-411 Oct 1967 25 P542

Chemical control (weeds), Crop yields, Rice.

NEW KNOWLEDGE ABOUT THE USE OF HERBICIDES IN PERMANENT GRASSLAND. (GE)

F Wagner

Gesunde Pflanzen 20(10):215-216,218

Oct 1968 464.8 G33

Biochemistry, Chemical control (weeds), Feed, Herhicides, Pastures.

OTHER PESTS

22031-68

RAT BAITS INCORPORATING PARAFFIN WAX.

Papua New Guinea Agr J 19(2):88 Sep 1967 23 N453

Baits, Chemical control (pests), Methodology, Paraffin wax, Rats.

THE DISTRIBUTION OF THE MUSK RAT AND ITS CONTROL IN BAVARIA. (GE)

N Mallach

Gesunde Pflanzen 20(10):223-227 MAP Oct 1968 464.8 G33

Muskrats, Population, Rodents, Zoogcography.

LIVESTOCK PROTECTION

22033-68

STUDIES ON THE MECHANISM OF INTERFERON ACTION.

R J Ash

Diss Abstr Sect B 29(5):1771B Nov 1968 Z5055.U49D53

Cells, Culture media, Interferon, Mammals, Microbiology, Proteins, Research.

22034-68

AMYLOIDOSIS INDUCED IN MICE BY ESCHERICIHA COLI ENDOTOXIN.

W F Barth J K Gordon J T Willerson Science 162(3854):694-695

08 Nov 1968 470 SCI2

Amyloidosis, Cells, Escherichia coli, Injections, Laboratory animals, Mice, Research, Toxins.

22035-68

STUDIES ON LEPTOSPIRAL LIPASE. I. CHARACTERIZATION OF LIPASES FROM PATHOGENIC AND SAPROPHYTIC STRAINS. B Chorvath

J Hyg Epidemiol Microbiol Immunol 12(3):349-355 REF

1968 448.8 J826

Enzymes, Hydrogen-ion concentration, Leptospirosis, Lipases, Research, Saprophytes, Temperature. French, German, and Spanish summaries.

22027 70

HERITABLE REPRESSION DUE TO PARAMUTATION IN MAIZE.

E H Coe

Science 162(3856):925

22 Nov 1968 470 SC12

Corn, Deoxyribonucleic acid, Heredity, Mutation, Plant genetics, Research, Ribonucleic acid.

22037-68

VIRUS-LIKE PARTICLES IN THE SPIRAL GANGLION OF THE GUINEA PIG COCHLEA.

J L Craft D A Hilding Science 162(3861):1485-1487 REF

27 Dcc 1968 470 SCI2

Cells, Ears, Electron microscopy, Guinea pigs, Ncrvous system, Research, Virus diseases (animals).

22038-68

STRUCTURE AND ANTIGENIC PROPERTIES OF A STAPHYLOCOCCAL L FORM.

D C Dannis

Diss Abstr Sect B 29(5):1773B

Nov 1968 Z5055.U49D53

Antigens, Culture media, Immunology, Microbiology, Properties, Research, Staphylocoecus aureus.

22039-68

CURRENT ACTIVITIES--LASSWADE.

State Vet J 19(57):278

Scp 1964 S0F601.0S8

Chick embryos, Chicks, Culture media, Microscopy, Mycoplasma, Virology, Weather.

22040-68

METHODS OF RESTRAINING CATTLE FOR TUBERCULIN TESTING.

D B Morgan

State Vet J 19(57):256-260

Sep 1964 S0F601.0S8

Cattle, Equipment, Research, Tuberculin test.

22041-68

CALCIUM LOCALIZATION WITHIN LIVE OAT LEAVES USING A SEMICONDUCTOR DETECTOR ASSEMBLY.

A Ringoct R V Rechenmann M Mclloni R Wilthagen

Planta 81(3):280-286

1968 450 P693

Autoradiography, Biochemistry, Calcium, Foliar application, Leaves, Oats, Plant translocation.

22042-68

THE CLASSIFICATION OF LEPTOSPIRAL STRAINS FROM KAZAKHSTAN.

A A Varfolomceva S K Kanareykina E P Kozlova J Hyg Epidemiol Microbiol Immunol 12(3):356-364

1968 448.8 J826

Animal diseases, Biochemistry, Copper, Leptospirosis, Research, Scrological tests. French, German, and Spanish summaries.

DISEASES

22043-68

BALANTIDIASIS MAY BE MORE COMMON THAN WE THINK.

S S Ahluwalia

Indian Farming 16(10):41-43

Jan 1967 22 IN283

Balantidiasis, Diagnosis, Epidemiology, Human diseases, Swine.

The life history of Balantidium coli and the epidemiology of balantidiosis in swinc and man are discussed.

22044-68

POTENTIATION BY SILICA OF THE GROWTH OF MYCOBACTERIUM TUBERCULOSIS IN MACROPHAGE CULTURES.

A C Allison P D'Arcy Hart

Brit J Exp Pathol 49(5):465-476 REF

Oct 1968 448.8 B772

Laboratory animals, Macrophages, Mycobacterium tuberculosis, Physiology, Research, Silica.

22045-68

NATIONAL POULTRY AND TURKEY IM-PROVEMENT PLANS AND AUXILIARY PROVISIONS. NOTICE OF PROPOSED RULE MAKING.

R J Anderson

Fed Regist 33(241):18445-18447

12 Dec 1968 L1.451

Animal diseases, Artificial insemination, Blood tests, Meat, Poultry, Research, Turkeys.

22046-68

TEXAS (SPLENETIC) FEVER IN CATTLE. PERMITTED DIPS.

R J Anderson

Fed Regist 33(236):18089

05 Dec 1968 L1.451

Arsenic compounds, Cattle, Coumaphos, Dioxathion, Dipping, Drug therapy, Livestock diseases, Piroplasmosis, Tissues.

22047-68

ENZOOTIC FOOT ROT CONTROL IN SHEEP. (RUM)

C G Anghel

Rev Zootech Med Vet 17(12):57-63 REF

Dcc 1967 49 P943

Chemical control (pests), Copper sulfate, Foot rot (animals), Sheep. French, Russian and English abstracts

22048-68

MOLDY CORN POISONING AS THE MAJOR CAUSE OF AN ENCEPHALOMALACIA SYNDROME IN EGYPTIAN EQUIDAE.

L Badiali M H Abou-Youssef A I Radwan F Hamdy

Amer J Vet Res 29(10):2029-

Oct 1968 41.8 AM3A

Asses, Corn, Encephalomalacia, Molds, Poisoning, Toxicology.

22049-68

NECROTIC ENTERITIS OF CHICKENS.

B S Bains

Australian Vet J 44(1):40 Jan 1968 41.8 AU72 Autopsics, Chickens, Clostridium, Drug therapy, Enteritis, Gastrointestinal diseases, Oxytetracycline.

22050-68

CLINICAL AND PATHOLOGICAL STUDIES OF BORDER LEICESTER RAMS NATURALLY INFECTED WITH ACTINOBACILLUS SEMINIS.

I D Baynes G C Simmons

Australian Vet J 44(8):339-343 REF

Aug 1968 41.8 AU72

Actinobacillus, Animal histology, Epididymitis, Sheep.

22051-68

DISEASES OF PIGS AND THEIR CONTROL. SF971.B4. (ge)

H Behrens K Richter

154P FRANKFURT AM MAIN, DLG VERLAG 1967

Biochemistry, Breeding, Diagnosis, Drug therapy, Feeding, Livestock diseases, Preventive medicine, Swine, Swine houses.

22052-68

THE MORPHOLOGICAL AND BIOLOGICAL EFFECTS OF VARIOUS ANTISERA ON AVIAN INFECTIOUS BRONCHITIS VIRUS.

D M Bcrry J D Almeida

J Gen Virol (3,PT 1):97-102 REF

Jul 1968 Q0R360.0A10J6

Antibodics, Electron microscopy, Heat, Infectious bronchitis, Morphology, Research, Virus diseases (animals).

22053-68

QUANTITATION OF SUSCEPTIBILITY OF SWINE TO INFECTION WITH PASTEURELLA TULARENSIS.

W S Bivin A L Hogge

Amer J Vet Res 28(126):1619-1621

Scp 1967 41.8 AM3A

Immunity, Pastcurella tularensis, Swine.

22054-68

SURVEY SHOWS WEAKNESS IN MASTITIS CONTROL.

B W Bootcs

Agr Gaz New S Wales 78(PT 8):476-478

Aug 1967 23 N472

Cattle, Drug therapy, Hygiene, Mastitis, Streptococcus.

22055-68

MAREK'S DISEASE. (FR)

A. Brion

Rec Med Vet 144(10):911-926 REF

Oct 1968 41 8 R24

Animal physiology, Avian lymphomatosis, Diagnosis, Herpesviruses, Histology, Immunity, Poultry.

The author discusses the history, symptomatology, virus agent, and etiology of Marek's disease, avian lymphomatosis. The selection of resistant lines of fowl is suggested, because no specific method of control is available.

22056-68

NEW ZEALAND VETERINARIANS STUDY ANIMAL DISEASES IN THAILAND.

E O Brookbanks P Gallagher P G Davenport New Zeal J Agr 114(1):37,39,41,43

Jan 1967 23 N48J

Animal breeding, Animal quarantine, Cattle, Epizootic diseases, Foot-and-mouth disease, Immunization, Livestock diseases.

Animal diseases, particularly foot and mouth disease, which occur in Thailand were studied by New Zealcand veterinarians. Disease outbreaks, control measures, quarantine and breeding stations were studied and evaluated.

22057-68

STEPS CAN BE TAKEN TO CURB MASTITIS.

E O Brookbanks

New Zeal J Agr 114(6):62-63,65

Jun 1967 23 N48J

22058-68

Dairy bacteriology, Hygiene, Livestock diseases, Mastitis.

Mastitis control in New Zealand is discussed. Biological tests and hygienic improvements are suggested.

22058-68

COMPARISON OF SELECTED CHARACTERISTICS OF FOUR STRAINS OF INFECTIOUS BOVINE RHINOTRACHEITIS VIRUS.

G M Buening J B Gratzek

Amer J Vet Res 28(126):1257-1267 REF

Sep 1967 41.8 AM3A

Cattle, Diagnosis, Infectious bovine rhinotracheitis virus, Tissue culture.

CRADLES MAKE FOOTROT TREATMENT EASIER.

R E Burnell

New Zeal J Agr 114(4):50-51,53

Apr 1967 23 N48J

Diagnosis, Equipment, Foot rot (animals), Methodology, Sheep.

A cradle for easy treatment and inspection for foot rot of sheep in New Zealand is described.

EXPERIMENTAL IMMUNITY TO TUBERCU-LOSIS IN RABBITS IMMUNIZED WITH BCG MICROSOMAL FRACTION.

R M Burns

Diss Abstr Sect B 29(5):1772B

Nov 1968 Z5055.U49D53

Animal diseases, Immunity, Microbiology, Rabbits, Research, Tuberculosis, Tuberculosis vaccines.

22061-68

THE PERSISTENCE OF FOOT-AND-MOUTH DISEASE VIRUS IN SHEEP.

R Burrows

J Hyg 66(4):633-640 REF

Dec 1968 449.8 J82

Epizootie diseases. Foot-and-mouth disease virus. Sheep.

22062-68

POISONING OF CATTLE BY POLYGALA KLOTZCHII, CHODAT, IN THE REGION OF PONTAL (STATE OF SAO PAULO). (POR) W V A de Camargo W Mengato F Platzcch T

Morita

Biologico 34(10):221-223

Oct 1968 442.8 B529

Cattle, Guinea pigs, Poisonous plants, Polygala, Toxicology.

DISPARITY OF AFRICAN SWINE FEVER VIRUS AND AMPHIBIAN POLYHEDRAL CYTOPLASMIC VIRUSES.

P E Came A H Doubling

Soc Exp Biol Med Proc 130(1):128-132 REF

Jan 1969 442.9 SO1

African swine fever virus, Amphibians, Host relationships, Serological tests, Swine, Viruses.

REGROWTH OF PRIMARY CELL CULTURES AFTER INFECTION WITH FOOT-AND-MOUTH DISEASE VIRUS.

C H Campbell

Amer J Vet Res 28(126):1601-1603

Sep 1967 41.8 AM3A

Cattle, Foot-and-mouth disease virus, Mice, Swine, Tissue culture.

AFRICAN SWINE FEVER. APPLICATION OF IMMUNO-FLUORESCENCE TO THE STUDY OF TISSUE CULTURES. (FR)

R Carnero A Lucas F Ruiz B Larenaudie Rec Med Vet 144(10):937-949 REF

Oct 1968 41.8 R24

African swine fever virus, Biochemistry, Diagnosis, Fluorescent antibody technic, Immunization, Tis-

22066-68

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 REF Feb 1968 41.8 AM3A

Animal histology, Cattle, Mycobacterium avium, Surveys.

22067-68

PROPAGATION OF THE NEWCASTLE DIS-EASE VIRUS ON TISSUE CULTURES AT DIFFERENT TEMPERATURES. (CZ)

K Cernik E Cernikova

Czech Min Zemed Les Hospod Ustav Vedeckotech Inform Vet Med 13(7):393-402 REF 08 Jul 1968 41.9 C333

Newcastle disease virus, Temperature, Tissue culture. Russian, English and German abstracts

ERADICATING AND CONTROLLING BRU-CELLOSIS IN SHEEP.

D G Christie

Agr Gaz New S Wales 78(PT 4):221-225

Apr 1967 23 N472

Brucellosis, Complement fixation, Hygiene, Immunization, Sheep, Sterility.

22069-68

THESE PLANTS MIGHT SPELL DEATH TO YOUR CATTLE.

I Christopher

Indian Farming 16(9):43,45-47,49

Dec 1966 22 IN283

Antidotes, Cattle, Poisonous plants.

The identification of and antidotes for poisonous plants which kill cattle in India are listed.

22070-68

CIGUATERA POISONING IN CATS IN BRISBANE.

L Clark G B Whitwell Australian Vet J 44(2):81

Feb 1968 41.8 AU72

Cats, Fish, Food poisoning, Poisoning, Surveys.

22071-68

UNCOATING OF NEWCASTLE DISEASE VIRUS.

W D Collard

Diss Abstr Sect B 29(5):1772B-1773B

Nov 1968 Z5055.U49D53

Biochemistry, Chickens, Culture media, Newcastle disease virus, Research.

IMMUNODIFFUSION REACTIONS BETWEEN HUMAN SERA AND MYCOPLASMA PNEU-

R M Conant N L Somerson L B Senterfit Soc Exp Biol Med Proc 129(2):401-407 REF

Nov 1968 442.9 SO1

Complement fixation, Fluorescent antibody technic, Hemagglutination, Mycoplasma, Serological tests.

22073-68

EQUINE INFLUENZA IN MEXICO. ISOLATION AND STUDY OF THE STRAIN E/EQUI 2/MEX-ICO/1/66. (SP)

R G Cunha G G Lopez L G Mijares R Delecolle Rev Latinoamer Microbiol Parasitol 10(4,OCT-DEC):197-204 REF

Dec 1968 448.8 R32

Equine influenza, Horses, Serological tests. English abstract

BRITAINS'S EXPERIENCE WITH FOOT AND MOUTH DISEASE.

R M Davidson

New Zeal J Agr 114(6):32

Jun 1967 23 N481

Epizootic diseases, Foot-and-mouth disease, Virus diseases (animals).

The author discusses the epizootiology and recent outbreaks of foot and mouth disease in England.

TOXICITY STUDIES OF LISTERIA MONO-CYTOGENES GROWN IN VIVO.

R A DiCapua J W Osebold K R Stone Amer J Vet Res 29(10):2023-2028 REF

Oct 1968 41.8 AM3A

Bacterial diseases (animals), Biological assay, Listeria monocytogenes, Mice, Toxicology.

22076-68

ANTIBODY TO RHINOVIRUS IN HUMAN SERA. I. STANDARDIZATION OF SERA. I. STANDARDIZATION NEUTRALIZATION TEST.

R G Douglas W F Fleet T R Cate R B Louch Soc Exp Biol Med Proc 127(2):497-502 Feb 1968 442.9 SO1

Antibodies, Immunodiagnosis, Rhinoviruses.

VACCINATION AGAINST JOHNE'S DISEASE AND THE CREATION OF CARRIERS.

T M Doyle

State Vet J 19(57):212-213

Sep 1964 S0F601.0S8

Calves, Immunization, Johne's disease, Laboratories, Microscopy, Milk analysis, Research.

22078-68

THE WORKING PARTY OF FASCIOLIASIS IN WALES.

C M Edwards C B Ollerenshaw State Vet J 19(57):244-255,MAP

Sep 1964 S0F601.0S8

Epizootic diseases, Fascioliasis, Reports, Research, Trematoda.

SEROLOGIC STUDY OF REOVIRUS INFEC-TION IN DOGS.

G A Fairehild D Cohen

Amer J Vet Res 28(126):1487-1490 Sep 1967 41.8 AM3A

Dogs, Reoviruses, Serodiagnosis.

APPLICATION OF STRESSES TO FOOT-AND-MOUTH DISEASE VIRUS.

O N Fellowes

Amer J Vet Res 28(127):1873-1880 REF

Nov 1967 41.8 AM3A

Epizootic diseases, Foot-and-mouth disease virus, Nitrous acid, Ribonucleic acid, Stress, Tissue culture. Ultraviolet rays.

22081-68

ENDOTOXIN PROPERTIES OF LEPTOSPIRA CANICOLA.

D R Finco D G Low

Amer J Vet Res 28(127):1863-1872 REF Nov 1967 41.8 AM3A

Biological assay, Endotoxins, Escherichia coli, Leptospira canicola, Rabbits.

ANTIBODY TO RHINOVIRUS IN HUMAN SERA. II. HETEROTYPIC RESPONSES.

W F Fleet R G Douglas T R Cate R B Couch Soc Exp Biol Med Proc 127(2):503-509 REF Feb 1968 442.9 SO1

Antibodies, Immunodiagnosis, Rhinoviruses.

22083-68

THE MECHANISM OF LYMPHOPENIA PRODUCED BY CHRONIC IRRADIATION OF THE RAT SPLEEN.

W L Ford

Brit J Exp Pathol 49(5):502-510 REF

Oct 1968 448.8 B772

Irradiation, Blood Laboratory animals. Phosphorus isotopes, Rats, Research, Spleen.

22084-68

THE EFFECT OF VIBRIO FETUS VACCINA-TION ON THE BREEDING EFFICIENCY OF COWS BRED TO VIBRIO FETUS-INFECTED BULLS.

A H Frank J H Bryner P A O'Berry Amer J Vet Res 28(126):1237-1242 REF

Sep 1967 41.8 AM3A

Animal breeding, Cattle, Immunization, Reproduction, Vibrio.

THE COMPLEMENT-FIXATION TEST FOR AVIAN LEUKOSIS.

IGS Furminger A J Beale J Gen Virol (3,PT 1):25-34 REF Jul 1968 Q0R360.0A10J6

Antibodies, Antigens, Avian leukosis complex, Complement fixation, Hamsters, Neoplasms, Research, Rous sarcoma virus, Virus diseases (animals).

22086-68

ULTRASTRUCTURE OF ANAPLASMA MARGINALE FIXED WITH GLUTARALDEHYDE AND OSMIUM TETROXIDE.

D W Gates T O Roby T E Amerault D W Anthony

Amer J Vet Res 28(126):1577-1580 REF

Sep 1967 41.8 AM3A

Anaplasma, Cattle, Cytology, Electron microsco-

PREVALENCE OF SALMONELLOSIS AND BLACKLEG IN MATERIAL FROM CATTLE EXAMINED DURING THE FIVE-YEAR PERIOD 1963-1967 IN THE STATE OF SAO PAULO. (POR)

W Giorgi C Troise Biologico 34(10):229-231

Oct 1968 442.8 B529

Bones, Cattle, Clostridium, Livestock diseases, Salmonella, Surveys.

22088-68

ATTEMPTS TO RECOVER MYCOPLASMA SUIPNEUMONIAE FROM EXPERIMENTAL AND NATURAL CASES OF ENZOOTIC PNEU-MONIA IN PIGS.

R F W Goodwin A P Pomeroy P Whittlestone

J Hyg 66(4):595-603 REF

Dec 1968 449.8 J82

Epizootie diseases, Mycoplasma suipneumoniae, Pneumonia, Swine.

22089-68

PRODUCTION OF ENZOOTIC PNEUMONIA IN PIGS WITH MYCOPLASMA SUIPNEUMONIAE GROWN IN EMBRYONATED HEN'S EGGS.

R F W Goodwin J M W Hurrell P Whittelstone Brit J Exp Pathol 49(5):431-435

Oct 1968 448.8 B772

Eggs, Livestock diseases, Mycoplasma suipneumoniae, Pneumonia, Research, Swinc, Tissue eul-

22090-68

GRASS TETANY IN CATTLE--USING MOLASSES--MAGNESIUM OXIDE MIXTURES TO PREVENT IT.

J S Healey

Agr Gaz New S Wales 78(PT 7):392-393

Jul 1967 23 N472

Animal nutrition, Cattle, Grass tetany, Magnesium oxide, Molasses.

The prevention of grass totany in Australian eattle, a nutritional deficiency disease, with molasses and magnesium oxide is discussed.

22091-68

EFFECTS OF TEMPERATURE ON IN VITRO EXCYSTATION OF VARIOUS EIMERIA SPE-CIES.

L E Hibbert D M Hammond Exp Parasitol 23(2):161-170 REF Oet 1968 436.8 EX7

Animal physiology, Asexual reproduction, Carbon dioxide, Cysts, Eimeria, Ovarian cysts, Sporozoa, Temperature.

22092-68

LABORATORY DIFFERENCES BETWEEN THE WS STRAIN OF INFLUENZA A VIRUS AND ITS NEUROTROPIC VARIANTS.

D Hobson E A Gould H I Flockton M G Gregory Brit J Exp Pathol 49(5):516-524 REF

Oet 1968 448.8 B772

Influenza viruses, Laboratory animals, Miee, Neurotropic viruses, Physiology, Research, Serological tests, Tissue culture, Virus diseases (animals).

22093-68

THE ISOLATION AND RECOGNITION OF VIRUSES.

R A Huck

State Vet J 19(57):236-243

Sep 1964 S0F601.0S8

Chiek embryos, Eggs, Histology, Laboratories, Microorganisms, Research, Serological tests,

BREEDING DISEASE-RESISTANT DOMESTIC ANIMALS.

F B Hutt

Agr Sci Rev (THIRD QUARTER)6(3):11-18 REF 1968 A31.3 AG893

Animal breeding, Animal diseases, Animal genetics, Immunity.

22095-68

CONTAGIOUS PLEURO-PNEUMONIA OF GOATS.

PRK Iver

Indian Farming 16(2):40-42,44

May 1966 22 IN283

Goats, Immunization, Pleuropneumonia, Viru-

22096-68

INFLUENCE OF EGG ALBUMIN-INDUCED LEUKOPENIA EXPERIMENTAL ON AEROBACTER AEROGENES MASTITIS AND ON NATURAL INFECTION OF MAMMARY GLAND WITH COAGULASE-NEGATIVE STAPHYLOCOCCUS IN A COW.

N C Jain J Lasmanis O W Schalm

Amer J Vet Res 28(126):1243-1250 REF

Sep 1967 41.8 AM3A

Aerobacter aerogenes, Cattle, Immunity, Mastitis, Staphyloeoeeus.

22097-68

ABORTIVE AND TERATOGENIC EFFECTS OF LOCOWEED ON SHEEP AND CATTLE.

L F James J L Shupe W Binns R F Kecler Amer J Vet Res 28(126):1379-1388 REF Sep 1967 41.8 AM3A

Abnormalities, Abortion, Astragalus, Cattle, Poisonous plants, Pregnancy, Sheep, Toxicology.

22098-68

ON THE PREPARATION OF IMMUNE GLOBU-LINS AGAINST DISTEMPER AND INFECTIOUS HEPATITIS OF DOGS. (CZ)

E Jiran G Petr Z Urbanek

Czech Min Zemed Les Hospod Ustav Vedeckotech Inform Vet Med 13(7):423-430 REF 08 Jul 1968 41.9 C333

Canine distemper, Dogs, Globulins, Immunization, Infectious canine hepatitis. Russian, English and German abstracts

22099-68

GROWTH OF RIFT VALLEY FEVER VIRUS IN TISSUE CULTURE.

R W Johnson M D Orlando Amer J Vet Res 29(2):463-471 REF

Feb 1968 41.8 AM3A

Rift VALLEY fever virus, Tissue culture, Virus diseases.

22100-68

TESTING OF THE PATHOGENICITY OF VIRUS STRAINS OF THE NEWCASTLE DISEASE IN PIGEONS. (CZ)

V Kabelik

Czech Min Zemed Les Hospod Ustav Vedeckotech Inform Vet Med 13(7):385-392

08 Jul 1968 41.9 C333

Mierobiology, Newcastle disease virus, Pigeons. Russian, English and German abstracts

COMPARATIVE PATHOLOGICAL ANATOMY OF THE HEPATITIS VIRUS OF MAN AND DOGS. (GE)

P Kapp

Acta Vet (budapest) 18(2):193-204 REF

1968 41.8 AC83

Animal anatomy, Autopsies, Dogs, Virus hepatitis.

THE TRANSMISSION OF DERMATOPHILOSIS (MYCOTIC DERMATITIS) IN SHEEP. P D Ke Riche

Australian Vet J 44(2):64-67 REF

Feb 1968 41.8 AU72

Epidemiology, Livestock diseases, Mycotic dermatitis, Sheep.

22103-68

INFECTIOUS BOVINE RHINOTRACHEITIS-IN-FECTIOUS PUSTULAR VULVOVAGINITIS VIRUS INFECTION IN PREGNANT COWS.

J W Kendrick O C Straub Amer J Vet Res 28(126):1269-1282

Sep 1967 41.8 AM3A

Abortion, Cattle, Coital exanthema, Diagnosis, Infectious bovine rhinotraeheitis virus, Pregnaney.

22104-68

CYTOLOGIC STUDIES IN POLYOMA VIRUS-INFECTED MOUSE EMBRYO CELLS.

G P Khare R A Consigli

Amer J Vet Res 28(126):1527-1536 REF

Sep 1967 41.8 AM3A

Cytology, Miee, Physiology, Polyoma virus, Tissue culture. 22105-68

ON THE SPECIFIC MECHANISM OF THE TRANSMISSION OF LEPTOSPIRAL INFEC-TION.

V S Kiktenko

J Hyg Epidemiol Microbiol Immunol 12(3):341-348 REF

1968 448.8 J826

Animal diseases, Epidemiology, Infectious diseases, Kidneys, Leptospirosis, Research, Zoonoses. French, German, and Spanish summaries.

UTERINE-AMNIONIC PATHWAY OF INFECT-ING THE RABBIT FETUS WITH LISTERIA MONOCYTOGENES.

C D King C Olson

Amer J Vet Res 28(126):1555-1567 REF Sep 1967 41.8 AM3A

Fetus, Fluorescent antibody teehnic, Histology, Listeria monocytogenes, Rabbits.

STUDIES OF LIVE ATTENUATED JAPANESE ENCEPHALITIS VACCINE IN SWINE.

K Kodama N Sasaki Y K Inoue J Immunol 100(1):194-200 REF

Jan 1968 448.8 J8232 Colostrum, Injections, Japanese b encephalitis, Research, Swine, Vaccines.

22108-68

THE INVESTIGATION OF SCRUB TYPHUS IN THE USSR.

S M Kulagin I V Tarasevic N I Kudryasova L F Plotnikov:

J Hyg Epidemiol Microbiol Immunol 12(3):257-263 REF

1968 448.8 J826

LIVESTOCK PROTECTION

22109-68

Animal vectors, Epidemiology, Infectious diseases, Insect vectors, Research, Scrub typhus. French, German, and Spanish summaries.

22109-68

SEROLOGIC ANALYSIS OF BOVINE VIBRIO-SIS.

K Larson L Ringen

Amer J Vet Res 28(126):1231-1235 REF

Sep 1967 41.8 AM3A

Cattle, Electrophoresis, Serodiagnosis, Vibrio.

EPIZOOTIOLOGIC STUDIES OF Q FEVER IN WASHINGTON DAIRY CATTLE.

D R Lingard

Diss Abstr Sect B 29(5):1539B

Nov 1968 Z5055.U49D53

Dairy cattle, Epizootic diseases, Livestock diseases, Q fever, Research.

NEWCASTLE DISEASE IN ENGLAND AND WALES CONTROL BY VACCINATION--THE FIRST YEAR.

J.G.Loxam

State Vet J 19(57):197-211

Sep 1964 S0F601.0S8

Animal diseases, Immunization, Newcastle disease, Surveys.

22112-68

ELECTROPHORETIC FRACTIONATION OF CLOSTRIDIUM HEMOLYTICUM TOXIC CUL-TURE FLUIDS.

E. A. Lozano, L. D. S. Smith.

Amer J Vet Res 28(126):1569-1576 REF

Sep 1967 41.8 AM3A

Clostridium hemolyticum, Electrophoresis. Erythrocytes, Proteins, Toxins.

22113-68

IN VIVO PRODUCTION OF A TOXIN(S) BY LISTERIA MONOCYTOGENES.

P K Mellwain R W Barnes

Amer J Vet Res 29(2):483-485

Feb 1968 41.8 AM3A

Chinchillas, Listeria monocytogenes, Mortality, Toxicology, Toxins.

22114-68

EVALUATION OF THE FLUORESCENT ANTIBODY-CELL CULTURE TEST FOR HOG CHOLERA DIAGNOSIS.

W L Mengeling J P Torrey

Amer J Vet Res 28(127):1653-1659 REF

Nov 1967 41.8 AM3A

Diagnosis, Fluorescent antibody technic, Hog cholera, Swine.

22115-68

PATHOGENESIS AND PATHOLOGIC FEATURES OF AVIAN ENCEPHALOMYELITIS IN CHICKS.

G C Mohanty J L West

Amer J Vet Res 29(12):2387-2400

Dec 1968 41.8 AM3A

Animal physiology, Avian encephalomyelitis, Central nervous system, Chickens, Hydrocephalus.

22116-68

SEROLOGIC COMPARISON OF NORTH AMERICAN AND JAPANESE PORCINE PICOR-NAVIRUSES.

T. Morimoto H W Dunne J T Wang Amer J Vet Res 29(12):2275-2280 REF

Dec 1968 41.8 AM3A

Picornaviruses, Serological tests, Swine.

22117-68

SYNTHESIS AND CYTOPATHOGENESIS OF AFRICAN SWINE FEVER VIRUS IN PORCINE CELL CULTURES.

J Moulton L Coggins

Amer J Vet Res 29(2):219-232 REF

Feb 1968 41.8 AM3A

African swine fever virus. Biochemistry, Cytopathology, Tissue culture.

22118-68

ERADICATION OF VIBRIOSIS FROM A STUD HERD.

D H Mumford

Agr Gaz New S Wales 78(PT 2):98-99 Feb 1967 23 N472

Abortion, Bacterial diseases (animals), Cattle,

EXPERIENCES CONCERNING THE PREPARA-TION AND APPLICATION OF MYCOPLASMA ANTIGEN.

G Nagy

Acta Vet (budapest) 18(2):173-176

1968 41.8 AC83

Agglutination, Chickens, Hemagglutination, Mycoplasma gallisepticum antigens, Respiratory diseases, Serodiagnosis.

22120-68

THE OCCURRENCE OF FOOT-AND-MOUTH DISEASE IN THE STATE OF SAO PAULO IN 1968. (POR)

L P Netto A A Pinto O Suga O Yida

Biologico 34(10):226-228

Oct 1968 442.8 B529

Foot-and-mouth disease, Livestock diseases, Surveys.

22121-68

THE ROLE OF DIET AND THE RETICULOEN-DOTHELIAL SYSTEM IN THE RESPONSE OF RATS TO SALMONELLA TYPHIMURIUM IN-

P M Newberne C E Hunt V R Young Brit J Exp Pathol 49(5):448-457 REF

Oct 1968 448.8 B772

Copper, Deficiency diseases, Diet, Immunity, Proteins, Rats, Research, Reticuloendothelial system, Salmonella typhimurium, Vitamin b complex.

22122-68

STUDIES ON PATHOLOGY OF RESPIRATORY DISEASES OF POULTRY WITH SPECIAL REFERENCE TO VIRAL AND P. P. L. O. IN-FECTIONS.

S K Nigam

Agra Univ J Res Sci 16(PT 1):183-184

Jan 1967 513 AG8

Histology, Pleuropneumonia-like organisms, Poultry, Respiratory diseases, Virus diseases Poultry, (animals).

22123-68

INFECTIOUS BOVINE RHINOTRACHEITIS: OCORRELATION OF FETAL AND PLACENTAL LESIONS WITH VIRAL ISOLATIONS.

N V Owen T L Chow J A Molello Amer J Vet Res 29(10):1959-1965

Oct 1968 41.8 AM3A

Animal physiology, Cattle, Cytopathology, Rhinotracheitis, Tissue culture.

INFECTIOUS BOVINE RHINOTRACHEITIS: RELATIONSHIP OF LEVEL OF MATERNAL ANTIBODY TITER TO INCIDENCE OF FETAL DEATH AND ABORTION.

N V Owen T L Chow J A Molello Amer J Vet Res 29(10):1967-1970

Oct 1968 41.8 AM3A

Abortion, Antibodies, Cattle, Rhinotracheitis, Virus diseases (animals).

INFECTIOUS LARYNGOTRACHEITIS POULTRY. (RUM)

I Patrascu C Surdan V Rusu V Popa V Gogoasa M Taga

Rev Zootech Med Vet 17(12):31-56 REF Dec 1967 49 P943

Epizootic diseases, Histology, Infectious laryngotracheitis, Poultry diseases, Serodiagno Virology, French, Russian and English abstracts Serodiagnosis. 22126-68

CHEMICALLY CHARACTERIZED MEDIA FOR STUDY OF FOOT-AND-MOUTH DISEASE VIRUS IN BABY HAMSTER KIDNEY CELLS. J Polatnick

Appl Microbiol 15(2):228-232

Mar 1967 448.3 AP5

Cells, Culture media, Foot-and-mouth disease virus, Hamsters, Kidneys, Laboratories, Virus diseases (animals).

KERATOCONJUNCTIVITIS PRODUCED BY MORAXELLA BOVIS IN LABORATORY ANIMALS.

G W Pugh D E Hughes T J McDonald Amer J Vet Res 29(10):2057-2061 REF

Oct 1968 41.8 AM3A

Bacterial diseases (animals), Keratoconjunctivitis, Laboratory animals, Moraxella, Sheep.

PASSIVE HEMOLYTIC ANTIBODY RESPONSE OF PRIMED, PARTIALLY RESISTANT MICE TO HEAT-KILLED SALMONELLA TYPHIMU-RIUM VACCINE.

J P Ransom

Soc Exp Biol Med Proc 128(2):419-423 REF

Jun 1968 442.9 SO1

Antibodies, Bacterial vaccines, Immunity, Mice, Salmonella typhimurium.

22129-68

INFLUENCE OF STREPTOCOCCUS EQUISIMILIS ON SITES OF ENDOCHONDRAL OSSIFICATION IN SWINE.

E D Roberts F K Ramsey W P Switzer J M

Amer J Vet Res 28(127):1677-1686 REF Nov 1967 41.8 AM3A

Bone diseases, Calcium, Streptococcus, Swine.

ISOLATION OF THE GROUP-SPECIFIC POLYSACCHARIDE OF MYCOBACTERIUM TUBERCULOSIS.

B Sandoval S Estrada-Parra

Rev Latinoamer Microbiol Parasitol 10(4,OCT-DEC):171-173 REF

Dec 1968 448.8 R32

Immunization. Mycobacterium tuberculosis. Polysaccharides, Serological tests.

BLOOD SERUM FACTORS ASSOCIATED WITH ERYTHROPHAGOCYTOSIS IN CALVES WITH ANAPLASMOSIS.

W F Schroeder M Ristic

Amer J Vet Res 29(10):1991-1995 REF

Oct 1968 41.8 AM3A

Anaplasmosis, Cattle, Erythrocytes, Immunity, Phagocytosis, Serological tests.

22132-68

COMPARISON OF A BOVINE ENTEROVIRUS AND FOOT-AND-MOUTH DISEASE VIRUS. F W Scott G E Cottral

Amer J Vet Res 28(126):1597-1600 REF Sep 1967 41.8 AM3A

Bovine enteroviruses, Cattle, Foot-and-mouth disease, Serological tests, Tissue culture.

SOME CONSIDERATIONS ON THE NAME BOVINE MALARIA . (FR)

E Sergent

Nancy Univ Fac Pharm Ass Diplomes Microbiol Bull 110(2ND TRIMESTER):2-5

1968 448.2 N152 Cattle, Immunity, Malaria, Nomenclature, Symbiosis, Viruses.

22134-68

PROBELM OF AVIAN LEUKOSIS IN LAHORE.

S A Sheikh M Ahmad K A Tahir Pakistan J Sci 19(5-6):212-217 REF Nov 1967 475 P172

Avian lcukosis complex, Avian lymphomatosis, Chickens, Immunization, Pest control, Poultry hatcheries.

A study was made of the high incidence of avian leukosis in Lahore, Pakistan. Heavy economic losses were caused by the lymphomatosis in the first laying season of brooding chickens. Hatcherics and parent stocks are discussed as the source of the infection and a review of previous literature is

22135-68

EFFECTS OF LISTERIA MONOCYTOGENES HEMOLYSINS ON THE ISOLATED ILEUM OF RABBIT.

I H Siddique C A Walker

Amer J Vet Res 28(127):1843-1849 REF

Nov 1967 41.8 AM3A

Drug therapy, Hemolysins, Listeria monocytogenes, Rabbits.

22136-68

VERVET MONKEY DISEASE: EXPERIMENTAL INFECTION OF GUINEAPIGS AND MON-KEYS WITH THE CAUSATIVE AGENT.

DIH Simpson I Zlotnik DA Rutter Brit J Exp Pathol 49(5):458-464

Oct 1968 448.8 B772

Animal diseases, Guinea pigs, Human diseases, Laboratory animals, Monkeys, Research, Reticu-loendothclial system.

22137-68

VACCINATION AGAINST LEPTOSPIROSIS: IMMUNOGENICITY OF VIABLE, AVIRULENT LEPTOSPIRA POMONA IN HAMSTERS, LEPTOSPIRA POMO SWINE, AND CATTLE.

O H V Stalheim

Amer J Vet Res 29(2):473-478 REF

Feb 1968 41.8 AM3A

Cattle, Immunization, Leptospira pomona, Swine.

NEUTRALISING ANTIBODIES FOR AVIAN INFECTIOUS BRONCHITIS VIRUS IN QUEENSLAND POULTRY FLOCKS.

P Stephens G C Simmons

Australian Vet J 44(1):29-30

Jan 1968 41.8 AU72

Antibodies, Chickens, Infectious bronchitis, Scrodiagnosis, Virus diseases (animals).

VACCINATION OF CONGENITALLY-IMMUNE CHICKS AGAINST NEWCASTLE DISEASE VIRUS.

H D Stone W A Boney

Soc Exp Biol Med Proc 128(2):525-530 REF Jun 1968 442.9 SO1

Antibodies, Chickens, Immunization, Newcastle disease virus.

22140-68

DIAGNOSIS OF TRICHOMONAS FOETUS IN-FECTION IN BULLS.

R Todorovic S H McNutt

Amer J Vet Res 28(126):1581-1590 REF Sep 1967 41.8 AM3A

Cattle, Culture media, Diagnosis, Trichomonas, Trichomoniasis.

22141-68

TUMOUR METABOLIC INHIBITION OF SERUM FROM PARTIALLY HEPATECTOMIZED RATS AS A SPECIFIC LACK OF COMPENSATION MECHANISMS IN TUMOUR CELLS.

M Volm H Wrba H Hinderer

Brit J Exp Pathol 49(5):496-501

Oct 1968 448.8 B772

Cells, Culture media, Laboratory anima Metabolism, Neoplasms, Rats, Research, Serum. animals,

SWINE FEVER ERADICATION CAMPAIGN 1963-64.

State Vet J 19(57):261-274

Sep 1964 S0F601.0S8

Diagnosis, Histology, Hog cholera, Research, Swine, Vaccines.

IMMUNOLOGIC AND HISTOLOGIC STUDIES OF A HAMSTER ADENOVIRUS TUMOR AND A MOUSE MAMMARY TUMOR.

C J Wood

Diss Abstr Sect B 29(5):1561B

Nov 1968 Z5055.U49D53

Adenoviruses, Hamsters, Histology, Immunology, Mammary glands, Mice, Ncoplasms, Research, Virus diseases (animals).

CARDIOPULMONARY VALUES IN NORMAL AND HEARTWORM-INFECTED DOGS.

D A Yarns R J Tashjian

Amer J Vet Res 28(126):1461-1473 REF

Scp 1967 41.8 AM3A

Blood pressure, Dirofilaria immitis, Dogs, Electrocardiograms, Heart failure, Phonocardiograms, Physiology.

RELATION OF INTERFERON SYNTHESIS TO ABORTIVE REPLICATION OF NEWCASTLE DISEASE VIRUS IN L CELLS.

J S Youngner A W Scott J Virology 2(1):81-82

Jan 1968 QR360.J6

Cells, Interferon, Newcastle disease virus, Proteins, Virus diseases (animals).

ARTHROPODS

22146-68 ATTENTION TO CATTLE LICE CAN BE PROFITABLE.

C C Banks

New Zeal J Agr 114(6):24-25

Jun 1967 23 N48J

Anoplura, Cattle, Chemical control (insects), Mal-

Lice of New Zealand cattle and their control are described.

22147-68

EXTERNAL PARASITES OF PIGS.

R E Burnell J C Elliot

New Zeal J Agr 114(1):18-19,21

Jan 1967 23 N48J

Acarina, Anoplura, Chemical control (pests), Swine.

The author discusses New Zealand external parasites of swine, including methods for identifying and controlling infestations of lice and mites.

INSECT TORMENTORS OF LIVESTOCK: IV. THE MITES.

R P Chaudhury

Indian Farming 16(5):43-45,49

Aug 1966 22 IN283

Acaricides, Acarina, Benzene hexachloride, Dieldrin, DDT, Host relationships, Livestock diseases.

Life cycles, ecology and chemical control of mites of livestock in India is discussed.

INSECT TORMENTORS OF LIVESTOCK: III. FLEAS AND TICKS.

R P Chaudhury

Indian Farming 16(4):11-15

Jul 1966 22 IN283

Argas persicus, Benzene hexachloride, Chemical control (insects), DDT, Insecticides, Ixodidae, Siphonaptera.

Life cycles, including host relationships and chemical control of fleas and ticks attaching livestock in India are discussed.

22150-68

SCALY LEG IN POULTRY--A PARASITIC DIS-EASE.

J S Healcy

Agr Gaz New S Wales 78(PT 10):602-603

Oct 1967 23 N472

Chemical control (insects), Hygiene, Mites, Poultry diseases, Scaly lcg.

Chemical control of mites causing scaly leg in poultry of Australia is discussed.

NEW DATA ON THE BLOODSUCKING MIDGE (DIPTERA, CERATOPOGONIDAE) OF THE COASTAL ZONE OF THE MARITIME TERRI-TORY.

K S Iuanov V M Glukhova

Entomol Rev 46(4,OCT-DEC):478-481

Dec 1967 421 R322AE

Catalogs, Ceratopogonidae, Insect taxonomy, Insect vectors, Japanese b encephalitis virus. Russian journal pp. 808-813

22152-68

PURINA POULTRY WORMING TABLETS. DRUGS FOR VETERINARY USE; DRUG EFFICACY STUDY IMPLEMENTATION.

H L Ley

Fed Regist 33(240):18409-18410

11 Dec 1968 L1.451

Biochemistry, Chemical control (nematodes), Drug therapy, Nematodes, Poultry, Veterinary

22153-68

LICE OF POULTRY.

Agr Gaz New S Wales 78(PT 3):178-180

Mar 1967 23 N472

Chemical control (insects), Dipping, Dusting, Fumigants, Mallophaga, Poultry, Spraying.

Methods for the eradication of poultry lice to increase egg production and reduce weight loss in chickens are discussed.

THE PASTURE FLY (DIPTERA) FAUNA AS-SOCIATED WITH CAMELS IN SOUTH TUVA. Ye A Pridantseva

Entomol Rev 46(4,OCT-DEC):491-494 REF

Dcc 1967 421 R322AE

Camels, Catalogs, Demography, Diptera, Insect vectors. Russian journal pp. 827-834

CONTROL OF THE HAMSTER PEST. (GE)

O Schreier

Pflanzenarzi 21(5):69-70

01 May 1968 464.9 P482 Biochemistry, Carbon monoxide, Earthworms, Gases, Hamsters, Hibernation, Insect pests, Phosphorus compounds, Plant injuries, Spraying.

22156-68 HOW TO GET RID OF ECTOPARASITES OF POULTRY.

B P Srivastava V P Sharma

Indian Farming 16(1):20-23

Apr 1966 22 IN283

Acarina, Argas persicus, Chemical control (insects), Lindane, Malathion, Mallophaga, Parasitic insects, Poultry, Siphonaptera.

SYNANTHROPIC DIPTERA OF THE GENERA DASYPHORA R. D. AND MORELLIA R. D. (DIPTERA, MUSCIDAE) IN SOVIET CENTRAL

ASIA.

Entomol Rev 46(4,OCT-DEC):482-490 REF

Dec 1967 421 R322AE

Catalogs, Insect biology, Insect taxonomy, Insect vectors, Muscidae, Zoogcography. Russian journal pp. 814-826.

22158-68

NEW RESTRICTIONS ON USE OF DDT.

F B Thompson

New Zeal J Agr 114(6):53

Jun 1967 23 N48J

221 59- 68

Chemical control (insects), DDT, Insecticide residues, Legislation.

Permits for DDT use in New Zealand are restricted during May, June and July. Specifications for its use around livestock are given.

PARASITES

22159-68

BIOLOGICAL INVESTIGATIONS ON THE CESTODE, RAILLIETINA (R.) LOEWENI BARTEL AND HANSEN, 1964.

M H Bartel M F Hansen

Amer Microscop Soc Trans 86(1):9-15

Jan 1967 440.9 AM33

Biology, Cestoda, Formicidae, Insect vectors, Rabbits. Raillietina.

22160-68

INFLUENCE OF HAEMONCHOSIS ON NUTRI-TIONALLY INDUCED KETOSIS IN SHEEP. D G Bennett S D Van Dewark H D Jackson

Amer J Vet Res 29(12):2315-2324

Dec 1968 41.8 AM3A

Animal nutrition, Haemonchosis, Haemonchus contortus, Ketosis, Sheep.

22161-68

DIFFUSION CHAMBERS FOR INDUCING IM-MUNITY TO TRICHINELLA SPIRALIS IN MICE.

D D Desponmier B S Wostmann Exp Parasitol 23(2):228-233 REF

Oct 1968 436.8 EX7

Antigens, Diffusion, Immunization, Metabolism, Mice, Trichinella spiralis.

RECOVERY OF PORCINE LIVER FROM DAMAGE CAUSED BY MIGRATING X-IR-RADIATED AND NONIRRADIATED LARVAE OF ASCARIS SUUM.

D L Forguson C A Mebus M J Twiehaus Amer J Vet Res 29(2):233-243

Feb 1968 41.8 AM3A

Ascaris, Larvae, Liver diseases, Swine, X-rays.

INTERNAL PARASITES IN SHEEP ON THE NORTHERN TABLELANDS.

A N A Harris

Agr Gaz New S Wales 78(PT 2):80-84

Feb 1967 23 N472

Animal nutrition, Cestoda, Coccidiosis, Drug therapy, Nematodes, Sheep, Trematoda.

22164-68

INFLUENCE OF DIFFERENT FORMS OF MANAGEMENT ON THE INCIDENCE OF HEL-MINTH PARASITISM IN POULTRY.

M Z Hussain

Pakistan J Sci 19(3):114-117 REF

May 1967 475 P172

Biometry, Cestoda, Nematodes, Poultry farm management. English abstract

22165-68

OPISTORCHIASIS IN SWINE. (RUM)

A Igritan

Rev Zootech Med Vet 17(12):64-66

Dec 1967 49 P943

Dierocoelium, Opisthorchis, Pancreas, Seminal vesicles, Swine.

IMMUNOLOGICAL UNRESPONSIVENESS TO HELMINTH PARASITES: I. THE PATTERN OF NIPPOSTRONGYLUS BRASILIENSIS INFEC-TION IN YOUNG RATS.

E E E Jarrett W F H Jarrett G M Urquhart Exp Parasitol 23(2):151-160 REF

Oet 1968 436.8 EX7

Helminthiasis, Immunization, Life cycle. Nippostrongylus brasiliensis, Rats.

22167-68

NEW NEMATODE PARASITE AN-CYLOSTOMA SINDHENSIS (AN-CYLOSTOMIDAE: STRONGYLOIDEA) FROM INTESTINE OF THE COMMON STRIPED SQUIRREL, FUNAMBULUS PENNANTI ARGENTESCENS WROUGHTON, FROM LOWER SIND.

Z Khanum

Pakistan J Sci 19(3):105-108 May 1967 475 P172

Ancylostomatidae, Squirrels, Taxonomy.

22168-68

L-LYSINE CARBOXYLYASE IN ASCARIS LUMBRICOIDES AND MONIEZIA EXPANSA.

J Lopez-George M Monteoliva F Mayor Exp Parasitol 23(2):129-133 REF

Oct 1968 436.8 EX7

Ascaris lumbrieoides, Biochemistry, Ccstoda, Enzymes, Lysine decarboxylase, Mctabolism,

SUMMARY OF THE COPROLITIC ANALYSES OF ANIMAL STRONGYLOSIS; RESULTS OB-TAINED IN MEUTHE-ET-MOSELLE. (FR)

F Lundy

Nancy Univ Fac Pharm Ass Diplomes Microbiol Bull 110(2ND TRIMESTER):18-24 1968 448.2 N152

Cattle, Epizootic discases, Sheep, Strongylosis.

CARBON TETRACHLORIDE INJECTIONS FOR LIVER FLUKE CONTROL.

W J Perrett

Agr Gaz New S Wales 78(PT 3):158-159 Mar 1967 23 N472

Carbon tetrachloride, Cattle, Fasciola, Injections, Muscles, Sheep.

The effects of carbon tetrachloride injections in cattle and sheep for liver fluke control are discussed.

22171-68

SOME ASPECTS OF NUTRITION IN PARASITES.

C P Read

Amer Zool 8(1):139-149 REF

Feb 1968 410 AM3

Absorption, Digestion, Fasciola, Feeding, Nematodes, Nutrition, Physiology, Trichuris.

The nutrition of nematodes and trematodes as animal parasites is discussed in relation to food getting mechanisms which fall into three adaptive types, mechanical, internal digestive and absorp-

22172-68

OXYGEN CONSUMPTION IN ADULT ECHINOSTOMA REVOLUTUM.

J L Taft B Fried

Exp Parasitol 23(2):183-186

Oct 1968 436.8 EX7

Benzidine test, Chickens, Cyanides, Cytochrome oxidase, Echinostoma, Hemoglobin, Oxygen, Physiology, Trematoda.

22173-68

ELECTRON MICROSCOPE STUDIES OF FASCIOLA HEPATICA. VI. THE ULTRAS LOCALIZATION TRUCTURAL PHOSPHATASES.

L T Threadgold

Exp Parasitol 23(2):264-276 REF

Oct 1968 436.8 EX7

Enzymes, Fasciola, Gastrointestinal system, Histochemistry, Lysosomes, Phosphatases, Physiology, Plasma membrane.

SEASONAL INCIDENCE AND BIONOMICS OF SOME COMMON GASTROINTESTINAL MATODE LARVAE OF SHEEP AND GOATS. J C Tripathi

Agra Univ J Res Sci 16(PT 1):179-181 Jan 1967 513 AG8

Biology, Cooperia, Epizootic diseases, Goats, Nematodes, Oesophagostomum, Sheep, Strongyloides.

FURTHER OBSERVATIONS ON CAPILLARIA FELISCATI INFECTIONS IN THE CAT.

A H Waddell

Australian Vet J 44(1):33-34 REF

Jan 1968 41.8 AU72

Animal histology, Autopsies, Capillaria, Cats, Ncmatodiasis

22176-68

EPIDEMIOLOGY OF HELMINTH INFESTA-TION OF BEEF CATTLE IN CENTRAL QUEEN-SLAND.

R Winks

Australian Vet J 44(8):367-372 REF

Aug 1968 41.8 AU72

Cattle, Epidemiology, Helminthiasis, Livestock discases, Surveys

COMMODITY PROTECTION

ARTHROPODS

22177-68 WHOLE GODOWN FUMIGATION ECONOMICAL AND SAFE.

IS

G R Ghadiok

Indian Farming 16(8):25,27

Nov 1966 22 IN283

Carbon tetrachloride, Chemical control (insects), Ethylene diehloride, Grain, Insect control, Storage.

OBSERVATIONS ON WOOD-DESTROYING IN-SECTS LIVING IN THE FOOTBRIDGE OVER SIIKANEVA BOG.

K Loyttyniemi

Suomen Hyonteistieteellinen Aikakauskir Ann Entomol Fenn 33(4):260-264 20 Dec 1967 421 SU7

Catalogs, Insect ecology, Wood-destroying insects.

CONTROL OF INSECTICIDE RESIDUES IN PRODUCE.

L. J. Matthews

New Zeal J Agr 114(4):30-32

Apr 1967 23 N48J

Agricultural products, Chlorinated hydrocarbons, DDT, Insecticide residues, Legislation.

Chlorinated hydrocarbon insecticide residues in farm produce are discussed as well as laws to insure that New Zealand's produce meets overseas standards. Alternative insecticides and their application are described.

MICROBIAL CONTAMINATION

22180-68 THOUGHTS ON THE SALMONELLA PROBLEM. (GE)

J Bischoff

Arch Lebensmittelhyg 19(4):83

Apr 1968 41.8 L49

Food contamination, Meat inspection, Meat packing industry, Salmonella, Slaughterhouses.

The international problem of Salmonella in slaughter houses is discussed. The organism enters East Germany by imported egg products and fodder. Inspection stations are suggested as well as studies on the chemistry and biology of the organ-ism for better packing and storage of products.

22181-68

ON THE LEGAL CLASSIFICATION OF IN-SPECTED MEAT FROM SLAUGHTERED

ANIMALS IN WHICH SALMONELLA WAS DETECTED. (GE)

F. Martens

Arch Lebensmittelhyg 19(4):80-82 REF

Apr 1968 41.8 L49

Classification, Food contamination, Meat inspection, Salmonella, Slaughterhouses. German abstract

ENVIRONMENTAL CONTAMINATION

22182-68

THE EFFECTS OF AIR POLLUTION ON PLANTS AND SOIL.

53P, REF

1967 S602.A4A3

Air pollution, Fluorides, Plant injuries, Smog, Smoke, Soil contamination, Sulfur dioxide.

22183-68

POISONING OF BEES BY INSECTICIDES.

Agr Soc Trinidad Tobago J 67(2):186

Jun 1967 8 T73

Apis mellifera, Demeton, Disulfoton, Formulations, Oxydemetonmethyl, Phorate, Poisoning, Spraying.

22184-68

COMMONWEALTH OF AUSTRALIA DEPT OF HEALTH PUBLIC HEALTH BRANCH. PESTICIDES REVIEW.

Australia Dep Health Pesticides Quart Suppl 11P Aug 1968 464.4 AU7

Carbamates, Herbicides, Organic compounds, Pesticides, Phosphorus, Reports, Research, Toxicology.

22185-68

EFFECT OF SOIL TREATMENT WITH DISUL-FOTON (DISYSTON) GRANULAR UNDER LOW TEMPERATURE CONDITION. (JA)

M Nakata Y Ishino

Jap J Appl Entomol Zool 11(4):187-188 Dec 1967 475 J27

Disulfoton, Research, Soil testing, Temperature.

RESIDUES

22186-68

CONTRIBUTION TO THE KNOWLEDGE OF THE POSSIBLE INFLUENCE OF PESTICIDES ON GAME. (GE)

W Beck J Gebeshuber D Gesswagner E Glofke E Kahl K Lebeda

Pflanzenschutzberichte 38(5/7):69-96 MAP REF Jul 1968 464.9 P48

Game animals, Pesticide residues, Pesticides, Research, Tables (data), Toxicology. English summary.

22187-68

THE FATE OF PARAQUAT IN SOILS.

A Calderbank T E Tomlinson Outlook Agr 5(6):252-257 REF

19**6**8 10 **OU**8

Herbicide residues, Metabolism, Nitrification, Paraquat, Soil adsorption, Soil microbiology.

22188-68

A RELATIVE STUDY OF THE COMPOSITION AND TENACITY OF THE KARATHANE DEPOSITS ON BEAN LEAVES, (FR)

A Copin

Gembloux Inst Agron Etat Bull 3(2):261-269 1968 105.1 G285

Adhesives, Beans, Dinocap, Humidity, Pesticide residues. English abstract

22189-68

TOLERANCES AND EXEMPTIONS FROM TOLERANCES FOR PESTICIDE CHEMICALS IN OR ON RAW AGRICULTURAL COMMODITIES. METHOXYCHLOR.

R E Duggan

Fed Regist 33(240):18372

11 Dec 1968 L1.451

Agricultural products, Chemicals, Methoxychlor, Pesticide residues, Pesticides, Potatoes.

22190-68

TOLERANCES AND EXEMPTIONS FROM TOLERANCES FOR PESTICIDE CHEMICALS IN OR ON RAW AGRICULTURAL COMMODITIES. DIPHENAMID.

R E Duggan

Fed Regist 33(236):18090

05 Dcc 1968 L1.451

Agricultural products, Biochemistry, Diphenamid, Herbicide residues, Meat, Milk, Pesticides, Potatoes.

22191-6

PRODUCTION OF ANTIBODIES AGAINST INSECTICIDE--PROTEIN CONJUGATES.

G J Haas E J Guardia

Soc Exp Biol Med Proc 129(2):546-551

Nov 1968 442.9 SO1

Antibodies, DDT, Malathion, Rabbits, Serological tests.

22192-68

METHOXYCHLOR RESIDUES IN THE MEAT AND MILK OF CATTLE FOLLOWING LIMITED APPLICATIONS OF METHOXYCHLOR FOR THE CONTROL OF BUFFALO FLY (HAEMATOBIA EXIGUA).

1 S Hurwood

Australian Vet J 44(8):377-381 REF

Aug 1968 41.8 AU72

Cattle, Insecticide residues, Meat, Methoxychlor, Milk.

22193-68

FACTORS INFLUENCING THE PERSISTENCE OF THE HERBICIDE 2,6-DICHLOROBENZONITRILE IN VARIOUS SOIL TYPES. (IT)

G Petrosini F Tafuri M Businelli Agrochimica 12(5):422-436 REF

Aug 1968 385 AG84

Chromatography, Dichlobenil, Herbicide residues, Soil series. English, French, German, and Spanish abstracts

22194-68

FOOD ADDITIVES PERMITTED IN FOOD FOR HUMAN CONSUMPTION ARSENIC.

W B Rankin

Fed Regist 33(242):18487 13 Dec 1968 L1.451

13 Dec 1968 L1.451

Arsenic, Chickens, Eggs, Food additives, Food consumption, Pesticide residues, Tissues, Toxicology, Turkeys.

TOXICOLOGY

22195-68

NERVE GAS: DUGWAY ACCIDENT LINKED TO UTAH SHEEP KILL.

P M Boffey

Science 162(3861):1460-1464

27 Dec 1968 470 SC12

Chemicals, Food contamination, Gases, Mortality, Nervous system, Research, Sheep, Toxicology.

22196-68

GRAZING. CONTROL OF NOXIOUS PLANTS ON LAND UNDER CONTROL OR JURISDICTION OF FEDERAL GOVERNMENT.

O L Freeman

Fed Regist 33(241):18440

12 Dec 1968 L1.451

Animals, Chemical control (weeds), Grazing, Livestock diseases, Poisonous plants, Public lands.

22197-68

PESTICIDES AND WATER. TD427.P38G3. (fr)

M A Gamrasni

15P REF ASSOCIATION FRANCAISE POUR L'ETUDE dES EAUX

Jan 1968

Accident prevention, Aquatic animals, Pesticides, Public health, Toxicology, Water. This article is an extract from the periodical, Water, Dec. 1967- Jan. 1968.

22198-68

PHALARIS CAN BE POISONOUS.

J S Healey

Agr Gaz New S Wales 78(PT 2):91-93

Fcb 1967 23 N472

Cobalt, Nervous system, Phalaris tuberosa, Poisonous plants, Sheep, Toxicology.

Weather and soil conditions which cause pasture plants to become toxic to sheep in Australia are discussed and precautions are given.

22199-68

LABORATORY AND FIELD TRIALS WITH A NEW RATICIDE SELECTIVE TOXIC FOR RATS.

E Radova V Rupes M Privora

J Hyg Epidemiol Microbiol Immunol 12(3):365-369

1968 448.8 J826

Baits, Biochemistry, Chemical control (pests), Food, Laboratory animals, Rats, Toxicology. French, German, and Spanish summaries.

22200-68

A PROPOSED METHOD FOR EVALUATION OF WETTING AGENTS ON ORGANIC AMENDMENTS USED IN HORTICULTURE. (ABSTRACT).

R Sheldrake O A Matkin

Hortscience 3(2,SUMMER):104

1968 SB1.H6

Lolium, Organic compounds, Peat, Research, Surface-active agents, Toxicology.

PLANT PHYSIOLOGY & BIOCHEMISTRY

22201-68

ROLE OF TRACE ELEMENTS IN THE GROWTH AND MORPHOLOGY OF FIVE ASCOSPORIC ASPERGILLUS SPECIES.

V P Agnihotri

Can J Bot 45(1):73-79 REF

Jan 1967 470 C16C

Aspergillus, Fungi, Micronutrients, Morphology, Plant physiology.

22202-68

CHEMICAL DISINFECTION OF THE SOIL THROUGH METHYLBROMIDE. (GE

C V Assche A Vanachter H V D Broeck

Z Pflanzenkrankh (pflanzenpathol) Pflanzenschutz 75(7):394-401

Jul 1968 464.8 Z3

Botrytis cinerea, Chemical control (plant discases), Chloropicrin, Fungicides, Fusarium oxysporum, Methyl bromide, Soil fumigation, Soil moisture. English and French summaries

22203-68

SOME EFFECTS OF DDT, DIELDRIN, DIMETHOATE AND FENTHION ON GROWTH OF CUCUMBERS.

B R Champ

Queensland J Agr Anim Sci 23(2):333-335
Jun 1966 23 Q37

Cucumbers, Dieldrin, Dimethoate, DDT, Fenthion, Plant physiology.

PLANT PHYSIOLOGY & BIOCHEMISTRY

22204-68

22204-68

TESTS OF THE FLIGHT AGAINST THE 'MELTING OF SEED' OF SUMMER ONIONS IN NORD FINISTERE. (FR)

G Cherblanc

Phytoma 19(193):26-29

Dec 1967 464.8 P563

Botrytis squamosa, Drug therapy, Fungi, Fungicides, Pesticides, Research, Seedlings, Sodium.

EFFECT OF PROMETRYNE ON GROWTH OF FUSARIUM OXYSPORUM F. SP. VASINFECTUM IN SOIL CULTURE. (ABSTRACT).

B K Chopra E A Curl R Rodrigucz-Kabana

Phytopathology 58(6):72L-727

Jun 1968 464.8 P56

Biochemistry, Fusarium oxysporum vasinfcctum, Plant physiology, Prometryne.

FUNGAL DETOXICATION-IX. METABOLISM OF 1-NAPHTHALENEACETIC ACID BY ASPERGILLUS NIGER VAN TIEGH.

D K Clifford D West

D K Clifford D Woodeock Phytochemistry 7(9):1499-1502

Scp 1968 450 P5622

Aspergillus niger, Biochemistry, Chromatography, Fungi, Mctabolism, Mctabolites Naphthaleneacctic acid, 1-, Research, Toxicology. Mctabolites,

22207-68

GROWTH RESPONSES OF SOME COMMON PEANUT MYCOFLORA TO VARIOUS EXTRACTS FROM PEANUT SEED. (ABSTRACT).

B Doupnik D K Bell Phytopathology 58(6):727 Jun 1968 464.8 P56

Agar, Fungi, Peanuts, Plant extracts, Plant physiology, Scicrotium rolfsii, Secds.

STIMULATION BY 2,4-D AND 2,4-D PLUS FE EDTA OF 32P UPTAKE BY BEAN SEEDLINGS (PHASEOLUS VULGARIS).

H M Etter

Con J Bot 45(4):535-537 REF

Apr 1967 470 C16C

Absorption, Beans, Biochemistry, D, 2,4-, Ethylenediaminetetraacetic acid, Iron, Isotopes, Phosphorus, Plant physiology, Secdlings.

UREDOSPORE PRODUCTION OF FIVE RACES OF PUCCINIA RECONDITA ROB. EX DESM. AS AFFECTED BY LIGHT AND TEMPERA-TURE.

Z Eyal J L Peterson Can J Bot 45(4):537-540 Apr 1967 470 C16C

Fungi, Light, Plant physiology, Puccinia recondita, Temperature, Uredospores.

22210-68

EJECTION AND DISSEMINATION OF ASCO-SPORES OF HYPOXYLON PRUINATUM.

J D Froyd D W French

Con J Bot 45(9):1507-1517 REF

Scp 1967 470 C16C

Ascosporcs, Hypoxylon pruinatum, Plant physiology, Reproduction, Sced dissemination.

THE USE OF POLYACRYLAMIDE GEL DISC ELECTROPHORESIS IN DELIMITING THREE SPECIES OF PHYTOPHTHORA.

H S Gill D Powell

Phytopathol Z 63(1):23-29 REF

Scp 1968 464.8 P562

Acrylamide, Biochemistry, Electrophoresis, Fungi, Gels, Phytophthora, Proteins. German summary.

22212-68

PRODUCTION OF PECTIC AND CELLULYTIC ENZYMES BY PHYTOPHTHORA INFESTANS DE BY. I. CULTURE OF THE FUNGUS IN A NUTRIENT SOLUTION. (GE)

F Grossmann

Phytopothol Z 62(4):371-382 REF

Aug 1968 464.8 P562

Cellulase, Culture media, Enzymes, Fungi, Nutrient solutions (plants), Pectins, Phytophthora infestans, Research. English summary.

ESTRADIOL ANNULMENT OF STEROL-IN-DUCED SEXUAL REPRODUCTION BY PYTHI-UM PERIPLOCUM. (ABSTRACT).

J W Hendrix

Phytopothology 58(6):728

Jun 1968 464.8 P56

Estradiol, Plant physiology, Plant reproduction, Pythium periplocum, Sterols.

ANATOMY OF BEADS ON FLAGELLA OF ZOOSPORES OF PHYTOPHTHORA MEGASPERMA VAR. SOJAE.

H H Ho K Zachariah C J Hickman Con J Bot 45(9):1765-1766

Sep 1967 470 C16C

Anatomy, Flagella, Fungi, Phytophthora megasperma, Plant physiology, Zoosporcs.

THE EFFECTS OF INDOLEAECTIC ACID AND 2,4-DICHLOROPHENOXYACETIC ACID ON INTERMEDIARY METABOLISM OF 14C-LABELLED ORGANIC ACIDS BY PEA ROOT

W K Kim R G S Bidwell

Can J Bot 45(10):1789-1796 REF

Oct 1967 470 C16C

Biochemistry, Carbon, D, 2,4-, Indolcacctic acid, Isotopes, Metabolism, Organic compounds, Peas, Plant physiology, Roots.

22216-68

THE EFFECTS OF INDOLEACETIC ACID AND 2,4-DICHLOROPHENOXYACETIC ACID ON THE UPTAKE AND METABOLISM OF 14C-GLUCOSE AND ON THE INCORPORATION OF 14C-LABELLED AMINO ACIDS PROTEIN IN PEA ROOT TIPS.

W K Kim R G S Bidwell

Con J Bot 45(9):1751-1760 REF

Scp 1967 470 C16C

Amino acids, Biochemistry, Carbon, D, 2,4-, Glucose, Indoleacetic acid, Metabolism, Pcas, Plant hormones, Plant physiology, Proteins.

22217-68

INTERACTION OF TEMPERATURE AND GIB-BERELLIN ON POTATO SEED GERMINA-TION.

S L Lam

Amer J Bot 55(2):193-198 REF

Feb 1968 450 AM36

Gibberellins, Potato sceds, Sccd germination, Tcmperature.

LIGHT AND TEMPERATURE EFFECTS ON GROWTH AND SPOROPHORE FORMATION OF LENZITES TRABEA.

C Madhosingh

Can J Bot 45(4):525-530

Apr 1967 470 C16C

Fungi, Lonzites trabea, Light, Plant physiology, Temperature.

RESPIRATORY AND ENZYMATIC STUDIES WITH VERTICILLIUM ALBOATRUM FROM COTTON.

1 Malca D C Erwin J J Sims M Long B Jones Phytopathology 58(3):348-353

Mar 1968 464.8 P56

Arsenatcs, Arsenites, Azides, Cotton, Dinitrophenol, 2,4-. Enzymes, Fluorides, Fungus diseases (plants), Iodoacetate, Oxygen, Plant respiration, Verticillium albo-atrum.

DEVELOPMENT AND SPORULATION OF POLYPORUS HISPIDUS. (ABSTRACT). F I McCracken E R Toolc

Phytopothology 58(6):730

Jun 1968 464.8 P56

Fungus diseases (plants), Plant physiology, Polyporus hispidus, Quercus phellos, Spores.

METABOLISM OF SPORULATION IN FILA-MENTOUS FUNGI. I. GLUCOSE AND ACETATE OXIDATION IN SPORULATING AND NONSPORULATING CULTURES OF EN-DOTHIA PARASITICA.

L L McDowell A A De Hertogh Con J Bot 46(4):449-451 REF

Apr 1968 470 C16C

Acetates, Biochemistry, Endothia parasitica, Fungi, Glucosc, Mctabolism, Reproduction, Research.

PERIODICITY IN AECIOSPORE RELEASE IN GYMNOSPORANGIUM JUNIPERI-VIRGINI-ANAE.

S M Pady C L Kramer R Clary

Phytopathology 58(3):329-331

Mar 1968 464.8 P56

Apples, Diurnal rhythm, Fungus diseases (plants), Gymnosporangium juniperi-virginianae, physiology, Rust.

EXPERIMENTS ON THE PRECOCIOUS FLOWERING OF WESTERN RED CEDAR AND FOUR SPECIES OF CUPRESSUS WITH GIB-BERELLINS A3 AND A4/A7 MIXTURE.

R P Pharis W Morf

Con J Bot 45(9):1519-1524

Sep 1967 470 C16C

Cupressus, Flowers, Gibberellie acid, Gibberellin a4, Gibberellin a7, Plant bioehemistry, Plant physiology, Research, Thuja plieata.

EFFECT OF TRICHODERMA VIRIDE ON SACCHARASE ACTIVITY AND GROWTH OF SCLEROTIUM ROLFSII IN MIXED SOIL CUL-TURE. (ABSTRACT).

R Rodrigucz-Kabana E A Curl Phytopathology 58(6):730-731

Jun 1968 464.8 P56

Culture media, Fungi, Invertase, Plant physiology. Sclerotium rolfsii, Soil-borne plant diseases, Trichoderma viride,

THE INTERACTION OF THE SEED COAT AND GIBBERELLIC ACID IN THE GERMINATION OF DATURA FEROX L.

R A Sanchez A Soriano S Slabnik

Con J Bot 45(3):371-376

Mar 1967 470 C16C

Biochemistry, Datura ferox, Gibberellic acid, Plant physiology, Seed coats, Seed germination.

22226-68

EFFECT OF PRETREATMENT OF PINE SEEDS WITH HERBICIDES ON SEED GERMINATION AND GROWTH OF YOUNG SEEDLINGS.

S Sasaki T T Kozlowski J H Torrie Con J Bot 46(3):255-262 REF

Mar 1968 470 C16C

Biochemistry, Herbicides, Pinus resinosa, Plant physiology, Preventive medicine, Seed germination, Seeds.

22227-68

M-N-ETHYLAMINOBENZOIC ACID: ABSENCE OF PHYTOTOXIC ACTIVITY.

A Stoessl A N Starratt

Con J Bot 45(9):1769-1770 Sep 1967 470 C16C

Biochemistry, Lettuce, Plant physiology, Soils, Toxicology.

AN ELECTRON MICROSCOPE STUDY OF IN-TRAVACUOLAR BODIES IN THE UREDIA OF WHEAT STEM RUST AND IN HYPHAE OF OTHER FUNGI.

P L Thomas P K Isaac

Can J Bot 45(9):1473-1478

Scp 1967 470 C16C

Electron microscopes, Fungi, Hyphae, Plant physiology, Research, Stem rust (wheat), Uredia.

22229-68

THE INFLUENCE OF PHOSPHATE ON THE PHYTOTOXICITY OF 3-AMINO1,2,4-TRIAZOLE.

M R Vega

Philippine Agr 51(5):349-396 REF

Oct 1967 25 P542

Amitrole, Biochemistry, Phosphates, Toxicology.

22230-68

GUIDING EXPERIMENTS CONCERNING THE INFLUENCE OF HERBICIDES ON THE SPICULE DEVELOPMENT OF SPRING BARLEY AFTER APPLICATIONS. (GE)

G Weigand

Gesunde Pflanzen 20(4):69,70,72,74

Apr 1968 464.8 G33

Barley, Biochemistry, Chemical control (weeds), Crop yields, Herbicides, Pesticide application, Plant morphology, Research, Tables (data).

22231-68

NEW DIRECTIONS IN VIRUS CONTROL IN VEGETABLE AND POTATO CULTIVATION.

H Wenzl

Pflanzenarzi 20(12):149

01 Dec 1967 464.9 P482

Aphis gossypii, Biochemistry, Chemical control (plant diseases), Insect vectors, Mineral oil, Mosaic (cucumbers), Myzus persicae, Potatoes, Spraying, Vegetables, Virus diseases (plants), Virus y (potatoes).

22232-68

CARBON DIOXIDE EFFECTS ON FRUITS. III. THE FIXATION OF C1402 IN LEMON IN AN ATMOSPHERE ENRICHED WITH CARBON DIOXIDE.

R E Young J B Biale Planta 81(3):253-263 REF

1968 450 **P6**93

Biochemistry, Carbon dioxide, Citric acid, Fruit, Lemons, Plant physiology.

CHEMISTRY

22233-68

EFFECT OF DEXTROSE IN MEDIUM FOR THE PREPARATION OF MYCOPLASMA GALLISEPTICUM PLATE ANTIGENS.

H E Adler A J DaMassa

Appl Microbiol 16(4):558-562

Apr 1968 448.3 AP5

Agglutination, Chemistry, Culture media, Glucose, Microbiology, Mycoplasma gallisepticum.

22234-68

POLAROGRAPHY OF TRACE DOSES OF KARATHANE. (FR.)

A Copin

Gembloux Inst Agron Etat Bull 3(2):254-260 1968 105.1 G285

Dinocap, Pesticide residues, Polarography, Vegetables. English abstract

This study demonstrates the possibility of direct extraction of Karathane traces by means of supporting electrolyte Acctone / Acctic Acid buffer recommended for polarographic dosage.

22235-68

ANTIFUNGAL ACTIVITY OF ISOTHIO-CYANATES AND RELATED COMPOUNDS III. DERIVATIVES OF DIPHENYL, STILBENE, AZOBENZENE, AND SEVERAL POLYCON-DENSED AROMATIC HYDROCARBONS.

L Drobnica M Zemanova P Nemec K Antos P Kristian A Martvon

Appl Microbiol 16(4):582-587 REF

Apr 1968 448.3 AP5

Azobenzene, Chemistry, Diphenyl, Fungicides, Hydrocarbons, Isothiocyanates, Stilbene. 22236-68

THE INFLUENCE OF SOME ELECTROLYTES ON THE ABSORPTION AND RELEASE OF TRIAZINES ON SOME ORGANIC COLLOIDS.

P Fusi R Corsi

Agroclimica 12(2-3,FEB-APR):109-119 REF

Apr 1968 385 AG84

Absorption, Atrazine, Chemistry, Colloids, Electrolytes, Prometryne, Simazine. English, French, German, and Spanish abstracts

22237-68

STUDIES ON EFFECTIVENESS OF SUSPENSI-BILITY WITH PREPARATION TECHNIQUE OF W.P. FORMULATIONS. (TU)

S Ozturk N Simsir

Bitki Koruma Bulteni 7(4):188-192

1967 464.8 B542

Chemistry, Methodology, Research, Water. German summary

22238-68

PARTIAL HYDROLYSIS OF DIELDRIN BY AEROBACTER AEROGENES.

G Wedemeyer

Appl Microbiol 16(4):661-662

Apr 1968 448.3 AP5

Aerobacter aerogenes, Biochemistry, Chromatography, Dieldrin, Hydrolysis.

ENGINEERING

22239-68

MIST SPRAYERS FOR APPLYING INSECTICIDES OF LOW VOLUME. (POR)

PR Almeida LF Fontes Biologico 34(10):224-225

Oct 1968 442.8 B529

Insecticide application, Pastures, Spraying equipment.

INDUSTRY

22240-68

PROGRAM-ABSTRACTS, 65TH ANNUAL MEETING, AMERICAN SOCIETY FOR HORTICULTURAL SCIENCE.

Hortscience 3(2,SUMMER):79-138

1968 SB1.H6

Agricultural outlook, Histology, Reports, Research.

ECONOMICS

22241-68

PESTICIDES IN WATER. AMITROLE CON-CENTRATIONS IN CREEK WATERS DOWNSTREAM FROM AN AERIALLY SPRAYED WATERSHED SUB-BASIN.

R B Marston D W Schults T Shiroyama L V Snyder

Pest Mont J 2(3):123-128

Dec 1968 S0B951.0A10P41

Aerial spraying, Amitrole, Herbicides, Laboratories, Pesticides, Rescarch, Water analysis.

EDUCATION

22242-68

ORGANIZING AGRICULTURAL RESEARCH TO ASSIST DEVELOPING COUNTRIES.

F F Hill

Entomol Soc Amer Bull 14(2):121-124

Jun 1968 423.9 EN8

Agricultural research, Food supply, Lahoratories, Supply and demand.



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Tests of the flight against the 'molting of seed' of summer onions in Nord Finistere.

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Revision of Sphaerocera, with description of a

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SOIL ADSORPTION

SOIL AMENDMENTS

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SHRUBS

SILICA

sheep kill.

Phalaris can be poisonous.

the city of Kharkov.

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soil.

Survival of root-infecting fungi in soil. Ill. The ef-

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Coleoptera attacking tree and shrub plantings in

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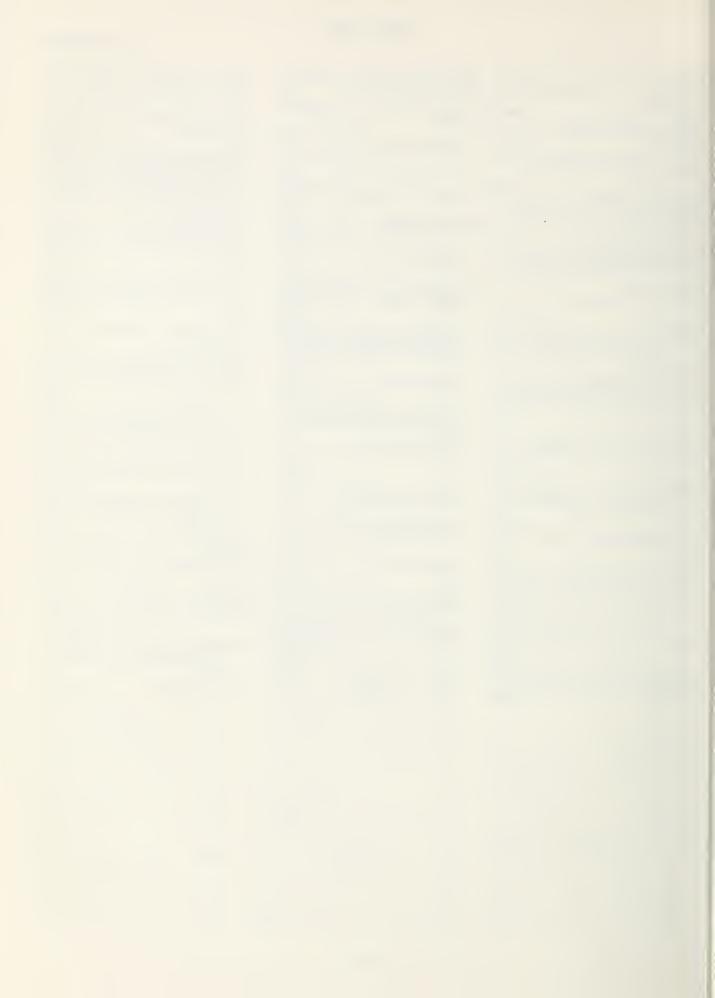
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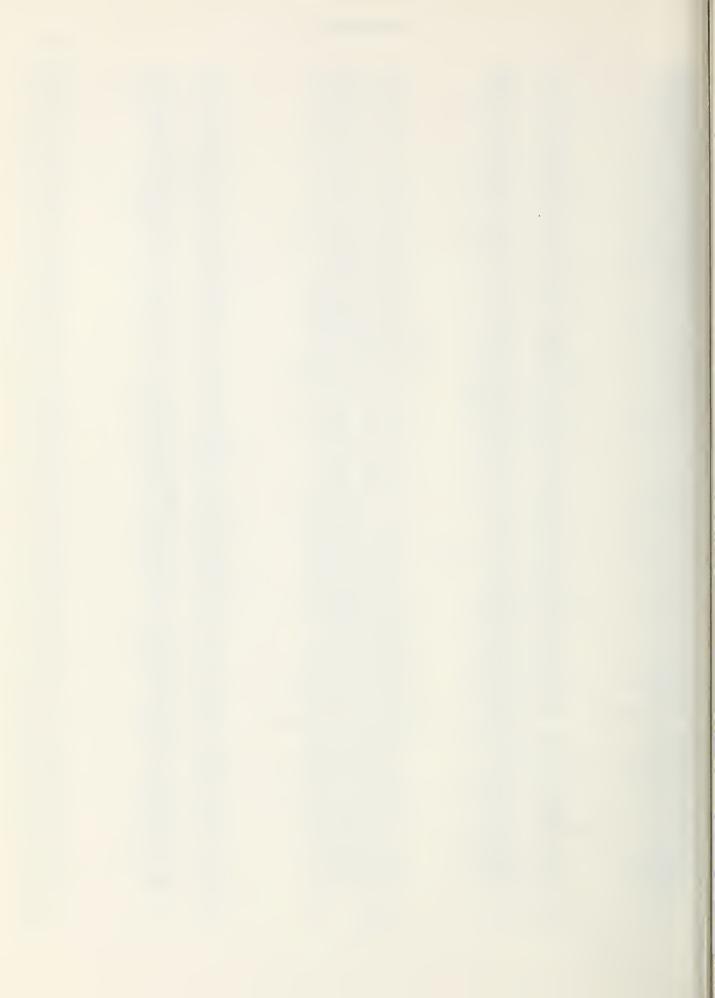
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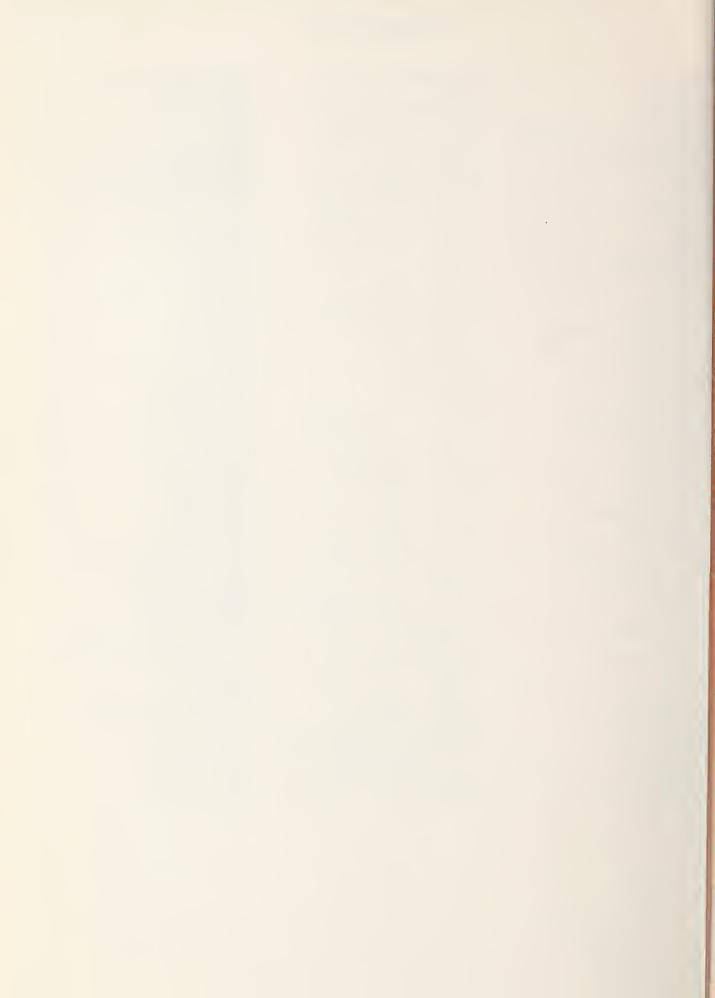
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