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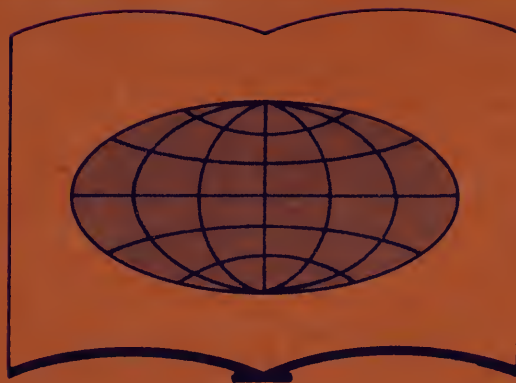
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Pesticides DOCUMENTATION BULLETIN

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Volume 5
June 6, 1969

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U.S. DEPARTMENT OF AGRICULTURE

PESTICIDES DOCUMENTATION BULLETIN

Volume 5
June 6, 1969
Numbers 9-12

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

OBJECTIVES AND SCOPE

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

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

FORMAT

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

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

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

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

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

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

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

Other Files

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

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

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

- Compound Tested
- Company furnishing the compound
- Author or Investigator
- Test Sponsor
- Date
- Location
- Mode of Application
- Rates of Application
- Soil Types
- Carriers
- Crops or Weeds tested with phytotoxicity ratings
- Associated documentation

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ACKNOWLEDGMENT

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

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

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

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

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Acta Ent Bohemoslov 58(4):310-323 REF
 1961 420 C33
 Cicadellidae, Insect identification, Insect taxonomy, Zoogeography. Czech summary. many other species are described.
- 5020-69**
THE IMBECILLUS AND RUFUS GROUPS OF THE SPIDER GENUS PHILODROMUS IN NORTH AMERICA. (ARANEIDA: THOMISIDAE).
 C D Dondace J H Redner
Entomol Soc Can Mem 55:78P MAP REF
 1968 420 EN824
 Insect identification, Insect taxonomy, Philodromus, Spiders, Thomisidae, Zoogeography.
- 5021-69**
A NEW TINGID FROM PAKISTAN (HEMIP-TERA).
 C J Drake J Maldonado Capriles
Brooklyn Entomol Soc Bull 54(1):25-26
 Feb 1959 420 B79
 Insect anatomy, Insect taxonomy, Tingidae.
- 5022-69**
TWO NOCTUIDAE NEW FOR THE FAUNA OF BELGIUM. (FR)
 C Dufay
Lambillionea 66(9/10):65-67
 05 Sep 1967 420 N15
 Insect identification, Insect taxonomy, Noctuidae, Zoogeography.
- 5023-69**
NOTES ON THE GENUS ELYMANA DELONG (HOMOPTERA CICADELLIDAE).
 I Dworakowska
Polska Akad Nauk Bull Ser Sci Biol 16(4):233-238
 1968 512 W262
 Cicadellidae, Homoptera, Insect identification, Insect taxonomy. The species of *Elymana* described are: *bambusac*, *sulphurella*, *kozhevnikovi* and *pallidipennis*.
- 5024-69**
SOME TYPHLOCYBINAЕ (HOMOPTERA, CICADELLIDAE) FROM MONGOLIA WITH DESCRIPTION OF A NEW SPECIES AND A NEW SUBSPECIES.
 I Dworakowska
Polska Akad Nauk Bull Ser Sci Biol 16(6):365-371
 1968 512 W262
 Cicadellidae, Insect taxonomy.
- 5025-69**
SOME OBSERVATIONS ON THE CHAETOTAXY OF THE LEGS OF LARVAL IX-ODIDAE (ACARI: METASTIGMATA).
 M A Edwards G O Evans
Ann Mag Natur Hist 1(4,OCT-DEC):595-601
 Dec 1967 410 AN77
 Host relationships, Insect taxonomy, Ixodidae, Larvae, Legs.
- 5026-69**
THE PHENETIC RELATIONSHIPS OF THE BUTTERFLIES. I. ADULT TAXONOMY AND THE NONSPECIFICITY HYPOTHESIS.
 P R Ehrlich A H Ehrlich
Syst Zool 16(4):301-317 REF
 Dec 1967 410 SY8
 Insect taxonomy, Lepidoptera, Methodology, Statistical analysis.
- 5027-69**
FLUKEA VOCKEROTHI, A NEW GENUS AND NEW SPECIES OF CHILEAN SYRPHIDAE (DIP-TERA). (SP)
 M Etcheverry
Chile Univ Centro Estud Entomol Publ (8):1-22
 1966 420 C432
 Illustrations, Insect identification, Insect taxonomy, Syrphidae. English summary.
- 5028-69**
MALAYOGLYPHUS INTERMEDIUS N. G., N. SP., A NEW MITE FROM HOUSE DUST IN SINGAPORE AND DJAKARTA (PYROGLYPHIDAE: SARCOPTIFORMES).
 A Fain A M Cunnington F Th M Spicksma
Acarologia 11(1):121-126
 Jan 1969 434.8 AC1
 Habitats, Insect taxonomy, Mites, Sarcoptiformes, Zoogeography.
- 5029-69**
EPIMYODEX TALPAE N. G., N. SP., A SUB-CUTANEOUS PARASITE OF THE MOLE IN BELGIUM (DEMODICIDAE: TROM-BIDIFORMES). (FR)
 A Fain S Orts
Acarologia 11(1):65-68
 Jan 1969 434.8 AC1
 Demodicidae, Epimyodex talpae, Insect taxonomy, Mites, Moles, Parasitic insects, Trombidiformes.
- 5030-69**
MITES COLLECTED FROM DOUGLAS-FIR FOLIAGE IN MONTANA.
 D G Fellin
J Econ Entomol 61(3):877-878
 Jun 1968 421 J822
 Choristoneura fumiferana, DDT, Insect collecting equipment, Insect pests, Oligonychus ununguis, Pseudotsuga menziesii.
- 5031-69**
CHIRONOMUS STRENZKEIN. SP. (CHIRONOMIDAE, DIPT), A NEW LABORATORY ANIMAL. (GE)
 E J Fittkau
Z Morphol Okolog Tiere 63(3):239-250
 1968 442.8 Z33
 Chironomidae, Chironomus strenzkei, Insect biology, Insect rearing, Insect taxonomy, Laboratory animals, Zoogeography. English summary.
- 5032-69**
THE IMMATURE STAGES OF LYPE DIVERSA (BANKS) (TRICHOPTERA, PSYCHOMYIIDAE).
 O S Flint
Brooklyn Entomol Soc Bull 54(2):44-47
 Apr 1959 420 B79
 Insect anatomy, Insect taxonomy, Larvae, Lype, Pupae, Trichoptera.
- 5033-69**
A TECHNIQUE FOR SAMPLING POPULA-TIONS OF THE JACK-PINE BUDWORM.
 J L Foltz F B Knight D C Allen W J Mattson
Forest Sci 14(3):277-281
 Sep 1968 99.8 F7632
 Choristoneura pinus, Demography, Methodology, Pinus banksiana, Sampling (statistics).
- 5034-69**
CONTRIBUTION TO THE FAUNA OF THE CONGO (BRAZZAVILLE). MISSION A. VIL-LIERS AND A. DESCARPENTRIES. LXXVIII. LEPIDOPTERA: NYMPHALIDAE, DANAIIDAE AND RIODINIDAE. (FR)
 R M Fox
Inst Fondamental Afr Noire Bull Ser A Sci Natur 30(3):1236-1280 REF
 Jul 1968 515 D14
 Danaidae, Insect taxonomy, Lepidoptera, Nymphalidae, Riodinidae, Zoogeography.
- 5035-69**
THE GENUS PLECTRIS (PHILOCHLAENIA) (COLEOPTERAMELOLONTHINAE). (GE)
 E Frey
Munich Mus G Frey Entomol Arb 18:1-136
 01 Jul 1967 420 M923
 Insect taxonomy, Scarabaeidae, Zoogeography.
- 5036-69**
NEW MELOLONTHIDS (COL.). (GE)
 G Frey
Munich Mus G Frey Entomol Arb 18:419-424
 01 Jul 1967 420 M923
 Catalogs, Coleoptera, Insect taxonomy, Scarabaeidae, Zoogeography.
- 5037-69**
A KEY TO ALL STAGES OF THE BRITISH SPECIES OF THE FAMILY NEOBISIIDAE (P-SEUDOSCORPIONES: DIPLOSPHYRONIDA).
 P D Gabbutt
Ann Mag Natur Hist 3(2,APR-JUN):183-195
 REF
 Jun 1969 410 AN77
 Adults, Catalogs, Insect taxonomy, Larvae, Neobisiidae, Nymphs.
- 5038-69**
A NEW SPECIES OF LESTINOGOMPHUS MARTIN 1912 (ODONATA), AND THE HITHERTO UNDESCRIBED MALE OF MICROGOMPHUS CAMERUNENSIS LONG-FIELD 1951.
 R M Gambles
Entomologist (london) 101(1267):281-288
 Dec 1968 421 EN8
 Insect taxonomy, Odonata.
- 5039-69**
TWO NEW GALERUCINAE FROM NAINITAL DISTRICT (COLEOPTERA-CHRYSOMELIDAE).
 L Gangola
Entomologist (london) 102(1270):55-59
 Mar 1969 421 EN8
 Chrysomelidae, Insect taxonomy, Zoogeography.
- 5040-69**
THE GENUS PROTOGAMASELLUS KARG (ACARI) WITH DESCRIPTIONS OF NEW SPECIES AND SUBSPECIES FROM THE ETHIOPI-AN REGION.
 N de L Genis G C Loots P A J Ryke
Ann Mag Natur Hist 1(3,JUL-SEP):337-353
 Sep 1967 410 AN77
 Acarina, Habitats, Insect taxonomy, Zoogeography.
- 5041-69**
FIVE TYDEID MITES FROM ISRAEL (ACARINA: PROSTIGMATA).
 U Gerson
Israel J Zool 17(4):191-198 REF
 1968 410 IS7
 Acarina, Insect taxonomy, Tydeus, Zoogeography.
- 5042-69**
THE SPIDER GENUS LOXOSCELES IN SOUTH AMERICA (ARANEAE, SCYTODIDAE).
 W J Gertsch
Amer Mus Nat Hist Bull 136(3):117-174 MAP
 REF
 1967 500 N483B
 Insect taxonomy, Spiders, Zoogeography.
- 5043-69**
BETLE FINDS IN THE SOUTH TICINO, JULY 1964. (GE)
 W Gfeller R Heinertz
Entomol Gesell Basel (N s)15(1,JAN-FEB):12-17
 1965 QL461.E58

5044-69

Carabidac, Cerambycidac, Insect identification, Scarabacidac, Tenebrionidac, Zoogeography.

5044-69

STUDY OF THE CYCLE OF GECKOBIA LATASTEI AND GECKOBIA LORICATA, ACARINE PARASITES OF THE GECKO TARENTOLA MAURITANICA. (FR)

B Girot

Vie Milieu Ser C Biol Terrestre 19(1-C):63-141 REF

1968 QH301.V5

Insect biology, Insect taxonomy, Life cycle, Mites, Pterygosomidac. English and German abstracts.

5045-69

NEW SPECIES OF PSEUDOSINELLA FROM CAVES (INSECTA: COLLEMBOLA). (FR)

H Gislin M M da Gama

Rev Suisse Zool 76(1):143-181 REF

Mar 1969 410 R324

Cave fauna, Collembola, Insect evolution, Insect taxonomy, Pseudosinella, Surveys, Zoogeography. English and German abstracts.

5046-69

THE ENDEMIC RHYCOPHILA FROM CORSICA. DESCRIPTION OF RHYCOPHILA TARDA SP. N. (TRICOPTERA). (FR)

J Giudicelli

Vie Milieu Ser C Biol Terrestre 19(1-C):49-54

1968 QH301.V5

Insect taxonomy, Trichoptera. English and German abstracts.

5047-69

A NEW TINEID FROM AFRICA: TINEA ROESLERI N. SP. (LEP.). (GE)

L Gozmany

Entomol Z 79(7):69-72

01 Apr 1969 421 EN85

Insect taxonomy, Tineidac. English abstract.

5048-69

CONSIDERATIONS ON THE CLASSIFICATIONS OF THE ORIBATIDAE. THEIR DIVISION INTO SIX MAJOR GROUPS. (FR)

F Grandjean

Acarologia 11(1):127-153 REF

Jan 1969 434.8 AC1

Insect taxonomy, Oribatidac.

5049-69

THE GENUS TRICHOPSIDEA WESTWOOD, WITH A DISCUSSION OF ITS RELATION TO OTHER GENERA OF NEMESTRINIDAE (DIPTERA).

D J Greathhead

Ann Mag Natur Hist 1(3,JUL-SEP):305-313 REF

Sep 1967 410 AN77

Catalogs, Insect taxonomy, Nemestrinidac.

5050-69

NEW SPECIES OF PHEIDOLE FROM PACIFIC COAST ISLANDS (HYMENOPTERA: FORMICIDAE).

R E Grogg

Entomol News (philadelphia) 80(4):93-101

Apr 1969 421 EN88

Formicidac, Insect taxonomy, Phcidolc, Western North America.

5051-69

THE ALYSINATE (HYM. BRACONIDAE) PARASITES OF THE AGROMYZIDAE (DIPTERA). V. THE PARASITES OF LIRIOMYZA MIK AND CERTAIN SMALL GENERA OF PHYTOMYZINAE.

G C D Griffiths

Beitr Entomol 18(1-2):5-62 REF

1968 421 B392

Braconidac, Catalogs, Insect taxonomy, Liriomyza, Parasitism, Zoogeography.

5052-69

THE SPECIES OF THE SUB-FAMILY CASSIDINAE (CHRYS., COL.) IN BULGARIA. (GE)

B Grucev

Skoplje Prirodonaucen Muz Acta 11(2):17-37

REF

30 Nov 1967 510 SK52

Cassidinac, Chrysomelidac, Insect identification, Insect taxonomy, Zoogeography. Bulgarian summary. description of 22 species.

5053-69

A NEW SPECIES CHRYSOMELA RUFOAENEA SUFF. FOR THE FAUNA OF BULGARIA FROM THE COLLECTION OF THE ZOOLOGICAL MUSEUM IN SOFIA, CHRYSOM., COL.

B Grucev

Deut Entomol Ges Mitt 26(3):42

15 Jul 1967 420 D482

Chrysomela rufoaenea, Insect ecology, Insect identification, Insect taxonomy, Zoogeography. German summary

5054-69

NEW TETRANYCHIDAE OF MADAGASCAR. (FR)

J Gutierrez

Acarologia 11(1):43-64 REF

Jan 1969 434.8 AC1

Insect ecology, Insect taxonomy, Malagasy Republic, Tetranychidac. English abstract.

5055-69

A NEW SPECIES OF TRIBOLIUM FROM NORTH AMERICA PREVIOUSLY CONFUSED WITH TRIBOLIUM MADENS (CHARP.) (COLEOPTERA: TENEBRIONIDAE).

D G H Halstead

J Stored Prod Res 4(4):295-304 REF

Feb 1969 421 J829

Bees, Insect identification, Insect taxonomy, Tenebrionidac, Tribolium.

5056-69

NOTES ON THE TRIGONODERUS-GROUP (HYM., CHALCIDOIDEA).

K J Hcdqvist

Entomol Tidskr 89(1-2):35-63

421 EN891

Catalogs, Chalcidoidea, Hymenoptera, Insect taxonomy, Zoogeography.

The Trigonoderus-group is placed in a tribe which may belong to either the Clconymidac or Pteromalidac family. A key is given for the genera, including morphology, host and distribution when known.

5057-69

BURMESE ICHNEUMONINAE IV. (GE)

G H Heinrich

Entomol Tidskr 89(1-2):77-106

10 Aug 1968 421 EN891

Ichneumonidac, Insect taxonomy, Zoogeography.

The descriptions of some Ichneumoninac genera found in Burma are given here. Male and female morphology and distributions are provided.

5058-69

A NEW KIND OF MACROSIPHONIELLA (MACROSIPHONIELLA HAERELLI N. SP.(APHIDIDAE)) OF ARTEMISIA RUPESTRIS. (GE)

K Hcinze

Deut Entomol Ges Mitt 19(3):54-55

15 Jun 1960 420 D482

Aphididac, Insect identification, Taxonomy.

5059-69

X-RAY ANALYSIS OF HYPHAL AND SCLEROTIAL WALLS OF SCLEROTIUM ROLFSSII SACC.

C Hcnis Y Hcnis

Can J Microbiol 14(7):815

Jul 1968 448.8 C162

Anatomy, Cell wall, Cellulose, Chitin, Extracts, Research, Sclerotium rolfsii, X-rays.

5060-69

A NEW GENUS AND NEW SPECIES OF THE OXYTELINAE FROM BRAZIL (COLEOPTERA, STAPHYLINIDAE).

L H Herman

Amer Mus Novitates 2336:1-8

19 Jul 1968 500 N483N

Insect taxonomy, Staphylinidac.

5061-69

GENITALIA OF THE TYPES OF CHILEAN SATYRIDAE ON DEPOSIT AT THE BRITISH MUSEUM. (SP)

J Herrera T H Howarth

Chile Univ Centro Estud Entomol Publ (8):73-126

REF

1966 420 C432

Illustrations, Insect identification, Insect names, Insect taxonomy, Reproductive organs, Satyridae. English summary. 12 species were reclassified.

5062-69

NEW AFRICAN ENNOMINAE (LEP. GEOMETRIDAE). (FR)

C Herulot

Lambillionea 66(9/10):67-70

05 Sep 1967 420 N15

Geometridac, Insect identification, Insect taxonomy, Zoogeography.

5063-69

A NEW GENUS OF EUROPEAN BUTTERFLIES (LEP. LYCAENIDAE).

L G Higgins

Entomologist (london) 102(1270):67

Mar 1969 421 EN8

Insect taxonomy, Lycaenidac, Zoogeography.

5064-69

AN UNDESCRIBED EUROPEAN BUTTERFLY:(LEP. SATYRIDAE).

L G Higgins

Entomologist (london) 102(1270):60

Mar 1969 421 EN8

Insect taxonomy, Satyridae, Zoogeography.

5065-69

A NEW SPECIES OF AULACORTHUM MORDVILKO (HOMOPTERA, APHIDIDAE) FROM JAPAN.

D Hille Ris Lambers

Entomol Ber 27(7):132-134

01 Jul 1967 420 N38B

Aphididac, Aulacorthum, Insect taxonomy.

5066-69

A NEW SPECIES OF EPURAEA ASSOCIATED WITH EASTERN GALL RUST (COLEOPTERA: NITIOULIDAE).

S Hisamatsu

Shikoku Entomol Soc Trans 10(1):29-31

Aug 1968 420 SH6

Cronartium quercuum, Fungus discases (plants), Insect taxonomy, Insect vectors, Nitidulidac, Pinus, Plant galls, Rust.

5067-69

THE GENUS LASIODACTYLUS PERTY IN JAPAN (COLEOPTERA: NITIDULIDAE).

S Hisamatsu

Shikoku Entomol Soc Trans 10(1):11-14

Aug 1968 420 SH6

Insect identification, Insect taxonomy, Nitidulidac, Zoogeography.

5068-69

DESCRIPTIONS OF NEW SPECIES OF THE FAMILY ENCYRTIDAE FROM CZECHOSLOVAKIA (HYM., CHALCIDOIDEA). II.

A Hoffer

Acta Ent Bohemoslov 60(1-2):125-134 REF

1963 420 C33

Encyrtidac, Insect identification, Insect taxonomy, Zoogeography. Czech summary.

5069-69

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

A Hoffmann

*Inst Fondamental Afr Noire Bull Ser A Sci Natur (SER A)*29(3):1311-1318

- Jul 1967 515 D14
Anthrribidae, Catalogs, Insect taxonomy.
- 5070-69**
IS ONE ABLE TO DIAGNOSE THE SEX OF THE MOTH, CELERIO EUPHORBIAE (LEP., SPHINGIDAE) IN THE CATERPILLAR STAGE. (GE)
R Hofmann
Entomol Z 78(14):161
15 Jul 1968 421 EN85
Insect identification, Larvac, Sex determination, Sphingidae.
- 5071-69**
NEW COMBINATIONS AFFECTING THE GENUS AILOPUS (ORTHOPTERA: ACRIDOIDEA) AND A DESCRIPTION OF A RELATED NEW GENUS AND SPECIES FROM AUSTRALIA.
D Hollis
Ann Mag Natur Hist 1(2, APR-JUN):157-162 REF
Jun 1967 410 AN77
Acridoidea, Insect taxonomy, Surveys, Zoogeography.
- 5072-69**
DESCRIPTIONS OF TWO NEW APHID SPECIES (SITOBION EQUISETI SP. N. AND LINOSIPHON ASPERULOPHAGUS SP. N.) FROM CZECHOSLOVAKIA (HOMOPTERA, APHIDIDAE).
J Holman
Acta Ent Bohemoslov 58(4):324-332
1961 420 C33
Aphididae, Insect identification, Insect taxonomy, Zoogeography. Czech summary.
- 5073-69**
A LARVA OF CITHERONIA SEPULCHRALIS (CITHERONIIDAE) FROM NEW JERSEY.
D J Horn
Lepidopterists Soc J 23(1):25
1969 421 L554
Citheroniidae, Larvac, Zoogeography.
- 5074-69**
THE CICADIDAE OF THE RYUKYU ARCHIPELAGO (HEMIPTERA).
T Ishihara
Shikoku Entomol Soc Trans 9(4):129-145 MAP REF
Apr 1968 420 SH6
Cicadidae, Insect identification, Insect taxonomy. 26 previously know species of Cicadidae are also described.
- 5075-69**
THE SYNONYMY IN CITRINOPHILA KIRBY AND FURTHER NOTES ON EPITOLA WESTWOOD AND ALAENA BOISDUVAL (LEPIDOPTERA: LYCAENIDAE).
T H E Jackson
Ann Mag Natur Hist 1(3, JUL-SEP):327-336 REF
Sep 1967 410 AN77
Insect names, Insect taxonomy, Lycaenidae, Zoogeography.
- 5076-69**
HADRODACTYLUS BRANDERI N. SP. (HYM., ICHNEUMONIDAE) FROM FINLAND.
R Jussila
Suomen Hyonteistieteellinen Aikakauskir Ann Entomol Fenn 33(3):148-151 REF
1967 421 SU7
Hadrodactylus branderi, Ichneumonidae, Insect identification, Insect taxonomy, Zoogeography.
- 5077-69**
NEW SPECIES OF THE GENUS DIPLATYS SERVILLE FROM INDIA (DERMAPTERA: DIPLATYINAE).
V C Kapoor
Zool Anz 18(1-2, JUL-SEP):118-128
Sep 1968 410 Z7
Dermaptera, Diplatys, Insect taxonomy.
- 5078-69**
ON A NEW GENUS OF DERMAPTERA FROM SOUTH INDIA.
V C Kapoor
Ann Mag Natur Hist 1(3, JUL-SEP):355-358
Sep 1967 410 AN77
Dermaptera, Insect taxonomy.
- 5079-69**
THE BUTTERFLY IN THE VERNACULAR. (GE)
H Kemper
Deut Entomol Ges Mitt 26(3):45-49
15 Jul 1967 420 D482
Butterflies, Caterpillars, Lepidoptera, Moths, Nomenclature.
- 5080-69**
ORTHOPTERA-CAELIFERA FROM NORTHERN KENYA AND JUBALAND. IV. ACRIDIDAE, S. STR.: CALOPTENINAE, EURYPHYMINAE, EYPREPOCNEMIDINAE, CANTANTOPINAE, CYRTACANTHACRIDINAE.
D K McE Kevan
Ann Mag Natur Hist 1(1, JAN-MAR):75-96 REF
Mar 1967 410 AN77
Acrididae, Insect taxonomy, Surveys, Zoogeography.
- 5081-69**
FURTHER RECORDS OF SOME LITTLE-KNOWN PYRGOMORPHIDAE AND TRIGONOPTERYGIDAE FROM FIJI, NEW GUINEA AND BORNEO (ORTHOPTERA: ACRIDOIDEA).
D K McE Kevan
Entomologist (london) 102(1270):68-69
Mar 1969 421 EN8
Acridoidea, Insect taxonomy, Pyrgomorphidae.
- 5082-69**
A NEW SPECIES OF BATYLE FROM UTAH (COLEOPTERA: CERAMBYCIDAE).
J N Knull
Ohio J Sci 68(4):233
Jul 1968 410 OH3
Batyle, Coleoptera, Insect identification, Taxonomy.
- 5083-69**
IXODES (LEPIDIXODES) KOPSTEINI OUDEMANS, 1925, VALID NAME FOR I. (L.) PARADOXUS KOHLS AND CLIFFORD, 1961, WITH NOTES ON DISTRIBUTION AND HOSTS (ACARINA: IXODIDAE).
G M Kohls C M Clifford
J Med Entomol 5(4):503-506
30 Oct 1968 421 J828
Bats, Insect names, Insect taxonomy, Ixodidae, Medical entomology, Zoogeography.
- 5084-69**
FAUNISTIC STUDIES ON SOME ACARI OF THE FAMILIES MYOBIIDAE AND CHEYLETIDAE, PARASITIZING ON SMALL MAMMALS IN BULGARIA.
M Kolebinova
Bulgarska Akad Nauk Zool Inst Muz Izv 25:77
1967 410.9 B8721
Acarina, Catalogs, Insect identification, Mites, Parasitic insects. English abstract
- 5085-69**
PROTELEAS, A NEW GENUS OF SCELIONIDAE WITH THREE NEW SPECIES FROM THE USSR. (GE)
M A Koslov
Acta Ent Bohemoslov 58(4):333-339
1961 420 C33
Insect taxonomy, Scelionidae, Ussr, Zoogeography. Russian summary.
- 5086-69**
THE CAPTURE OF DIPTERA SIMULIIDAE BY NIGHT IN A DRY GRASSLAND ZONE. (FR)
M Lamontellerie
Inst Fondamental Afr Noire Bull Ser A Sci Natur (SER A) 29(4):1812-1832 REF
Oct 1967 515 D14
Catalogs, Simuliidae.
- 5087-69**
CONTRIBUTION TO THE STUDY OF APHIDIDAE (HOM) OF THE FRENCH FORESTS. (FR)
J E Laurent
Nancy Ecole Nat Super Agron Bull 9(2):93-101
Dec 1967 64.9 N15
Aphididae, Forest insects, Host indexing (plants), Insect identification, Insect pests, Zoogeography.
- 5088-69**
INVESTIGATION INTO THE SYNANTHROPIC FLIES IN THE FAMILY MUSCIDAE (DIPT.) IN BULGARIA. (GE)
V Lavciev
Bulgarska Akad Nauk Zool Inst Muz Izv 25:37-39
1967 410.9 B8721
Catalogs, Diptera, Insect taxonomy, Muscidae. German abstract
- 5089-69**
ON THE PRESENCE IN FRANCE OF NEARCTAPHIS BAKERI COWEN, A DANGEROUS PEST OF CULTIVATED CLOVER IN THE U. S. A. (HOMOPTERA, APHIDIDAE). (FR)
F Leclant
Paris Acad Agr France Compt Rend Hebd Seances 53(2):159-163 REF
1967 14 P215BC
Clover, Insect biology, Insect pests, Nearctaphis bakeri, Zoogeography.
- 5090-69**
DENNYUS AEQUATORIALIS N. SP. (MALLOPHAGA: MENOPONIDAE) FROM THE MOTTLED SWIFT, APUS AEQUATORIALIS.
J A Ledger
Novos Taxa Entomol (61):3-8
Jul 1968 421 N853
Birds, Dennyus acquatorialis, Insect taxonomy, Menoponidae, Parasitic insects.
- 5091-69**
NOTES ON SOME NEW OR LITTLE KNOWN LUCANIDAE COLEOPTERA. (FR)
M O de Lisle
Rev Suisse Zool 74(2):521-544
Sep 1967 410 R324
Insect taxonomy, Lucanidae, Zoogeography.
- 5092-69**
CONTRIBUTION TO THE KNOWLEDGE OF INDO-AUSTRALIAN, SOUTH PACIFIC AND EAST ASIATIC PSENINI GENUS PSEN LATREILLE (HYMENOPTERA, SPHECIDAE).
J P Van Lith
Tijdschr Entomol 111(4):89-135
10 Oct 1968 421 T21
Hymenoptera, Insect taxonomy, Psenini, Sphecidae. English abstract
- 5093-69**
NEW DESCRIPTIONS OF PSORERGATE SPECIES (PSORERGATIDAE: TROMBIDIFORMES). (DU)
F Lukosechus A Fain M M J Beaujean
Tijdschr Entomol 110(7):133-181
15 Nov 1967 421 T21
Insect taxonomy, Mites, Myobiidae, Psorergates, Zoogeography.
- 5094-69**
FIELD TEST OF LINDANE AGAINST OVERWINTERING BROODS OF THE WESTERN PINE BEETLE.
R L Lyon K M Swain
USDA Forest Serv Res Note PSW- (176):4
1968 A99.9 F7652
Chemical control (insects), Chlorinated hydrocarbons, Dendroctonus brevicornis, Dosage, Forest insects, Hibernation, Insecticides, Lindane, Methodology, Pyraustidae.

5095-69

CATALOGUE OF THE OEDEMERIDAE OF ITALY (COLEOPTERA). (IT)
M Magistretti
Soc Entomol Ital Mem 46(2):181-200
1967 420 IT1M
Catalogs, Coleoptera, Insect taxonomy, Oedemeridae, Zoogeography.

5096-69

COLEOPTERA FROM NORTHEAST AFRICA. CICINDELIDAE AND CARABIDAE: CARABINI. (GE)
K Mandl
Notulae Entomol 48(3):126-130 MAP
1968 421 N84
Carabidae, Catalogs, Cicindelidae, Insect taxonomy, Zoogeography.

5097-69

DESCRIPTION OF A NEW SPECIES OF THE GENUS BOVICORINA DELAMARE DEBOUTVILLE 1947 (COLLEMBOLA, SYMPHYLLA) AND A KEY FOR IDENTIFICATION OF THE SPECIES IN THE GENUS. (FR)
Z Massoud C Delamere Deboutville
Ann Mag Natur Hist 1(1, JAN-MAR):69-74
Mar 1967 410 AN77
Catalogs, Collembola, Insect taxonomy, Zoogeography.

5098-69

FIRST RECORDS OF TWO BUTTERFLIES IN WISCONSIN (NYMPHALIDAE, PIERIDAE).
J H Masters
Lepidopterists Soc J 22(4):252
1968 421 L554
Insect identification, Nymphalidae, Pieridae, Zoogeography.

5099-69

COSYMBIA PUPILLARIA HBN. AT AN ALTITUDE OF 3200 METERS. (GE)
K Mazzueco
Wien Entomol Ges Z 77(12):154
30 Dec 1966 421 OS7
Geometridae, Herse convolvuli, Insect identification, Insect migration, Zoogeography.

5100-69

THE GENUS CAIRNSIMYIA MALLOCH (DIPTERA, HELEOMYZIDAE, RHINOTORINI).
D K McAlpine
Aust Mus Rec 27(12):263-283
29 Jul 1968 514 AU7
Diptera, Heleomyzidae, Insect taxonomy, Zoogeography.

5101-69

NOTES ON SOME LARVAL AND PUPAL CHIRONOMIDS (DIPTERA) FROM LAKE KARIBA, RHODESIA.
A J McLachlan
Ann Mag Natur Hist 3(2, APR-JUN):261-293
Jun 1969 410 AN77
Catalogs, Chironomidae, Insect taxonomy, Larvae, Pupae, Zoogeography.

5102-69

SOME REMARKS ON THE TAMPANS OF THE ORNITHODOROS MOUBATA COMPLEX IN SOUTHERN AFRICA.
S van der Merwe
Zool Anz 181(3-4, SEP-OCT):280-289 MAP
Oct 1968 410 Z7
Insect biology, Insect taxonomy, Ixodidae, Ornithodoros, Surveys, Zoogeography.

5103-69

CONTRIBUTION TO THE ARTHROPOD FAUNA OF THE RESINS OF LARGE CAVES AND THE KYFFHAUSERS. III. COLEOPTERA. (GE)
B Messner B V Broen W Mohrig M Moritz
Deut Entomol Z 15(1-3):1-8 REF
15 Jul 1968 421 D48
Arthropoda, Catalogs, Cave fauna, Coleoptera, Resins.

5104-69

A REVISION OF THE FERN APHIDS OF JAPAN WITH DESCRIPTIONS OF THREE NEW SPECIES (HOMOPTERA: APHIDIDAE).
M Miyazaki
Insecta Matsumurana 31(PT 3):13-24
Oct 1968 421 IN77
Aphididae, Catalogs, Insect taxonomy, Pteridophyta.

5105-69

THE ELECTRENTOMOID PSOCIDS (PSOCOPTERA).
E L Moekford
Psyche 74(2):118-165 REF
Jun 1967 421 P95
Catalogs, Insect evolution, Insect geography, Insect taxonomy, Psocoptera.

5106-69

SOME NEW ANALYTIC AND GRAPHIC APPROACHES TO NUMERICAL TAXONOMY, WITH AN EXAMPLE FROM THE DERMANYSSIDAE (ACARI).
W W Moss
Syst Zool 16(3):177-207 REF
Sep 1967 410 SY8
Acarina, Dermanyssus, Insect taxonomy, Methodology, Statistical analysis.

5107-69

PARACHERNES (ARACHNIDA, CHELONETHIDA, CHERNETIDAE) FROM THE COAST OF NORTH CAROLINA.
W B Muchmore C H Alteri
Entomologist (London) 80(5):131-137
May 1969 421 EN8
Chelonechida, Taxonomy, Zoogeography.

5108-69

SCORPIONS, WHIP SCORPIONS AND WIND SCORPIONS OF FLORIDA.
M H Muma
Fla Dep Agr Arthropods Fla 4:28P MAP REF
1967 410.9 F6632
Insect identification, Insect taxonomy, Pedipalpa, Scorpionida, Solpugida.

5109-69

CONTRIBUTIONS TO A STUDY OF THE PYRAUSTINAE (LEPIDOPTERA: PYRALIDAE) OF TEMPERATE EAST ASIA. V.
E Munroe A Mutuura
Can Entomol 101(3):299-305
Mar 1969 421 C16
Insect identification, Insect taxonomy, Pyralidae, Pyraustinae.

5110-69

DESCRIPTION OF BLASTOPHAGUS KHASIANUS, NEW SPECIES (COLEOPTERA: SCOLYTIDAE).
J J Murayama
Brooklyn Entomol Soc Bull 54(3):75-76
Jun 1959 420 B79
Coleoptera, Insect anatomy, Insect taxonomy, Scolytidae.

5111-69

A NEW SPECIES AND NEW RECORDS OF MACKIENA (ACARINA, TROMBICULIDAE).
M Nadehatram N Wilson
J Med Entomol 6(1):99-101
30 Jan 1968 421 J828
Insect identification, Insect taxonomy, Medical entomology, Trombiculidae.

5112-69

DISTRIBUTIONAL AND BIOLOGICAL NOTES ON THE TREE HOLE MOSQUITOES OF THE WESTERN UNITED STATES.
L T Neilsen J H Linam J H Arnell T J Zavortink
Mosquito News 28(3):361-365 REF
Sep 1968 421 M85
Aedes, Anopheles, Insect biology, Orthopodomyia, Zoogeography.

5113-69

A NEW SPECIES OF DERMANYSSUS FROM MARINE BIRDS, WITH OBSERVATIONS ON ITS BIOLOGY (ACARINA: DERMANYSSIDAE).
B C Nelson D P Furman
Acarologia 9(2):330-337 REF
Jul 1967 434.8 AC1
Aquatic birds, Dermanyssus, Insect biology, Insect taxonomy, Mites, Parasitic insects.

5114-69

NOTES ON BUPRESTIDAE AND SCHIZOPODIDAE.
G H Nelson
Brooklyn Entomol Soc Bull 55(3):70-74
Jun 1960 420 B79
Buprestidae, Insect anatomy, Insect taxonomy, Schizopodidae.

5115-69

THE GENERA OF PALEARCTIC TORTRICIDAE. II. THE SUBFAMILY OLETHREUTINAE 7TH PART. EUCOSMINI (HEINR. 1923) TRIBE--CONTINUATION. (DU)
N S Obraztsov
Tijdschr Entomol 110(4):65-88
18 Sep 1967 421 T21
Catalogs, Insect taxonomy, Lepidoptera, Olethreutidae, Zoogeography. English abstract

5116-69

NOTES ON RHYNCHOCEPHALUS TAUSCHERI FISCHER (DIPTERA: NEMESTRINIDAE).
H Oldroyd
Ann Mag Natur Hist 1(2, APR-JUN):153-156 REF
Jun 1967 410 AN77
Insect taxonomy, Nemertrinae, Neorhynchocephalus tauscheri, Zoogeography.

5117-69

SYSTEMATIC ENTOMOLOGY: DISTRIBUTION OF INSECTS IN THE PACIFIC.
P Oman K V Krombein
Science 161(3836):78-79
05 Jul 1968 470 SCI2
Entomology, Insect adaptation, Insect evolution, Insect taxonomy, Zoogeography.

Letter concerning seminar held in Washington, D. C., Dec. 4-8, 1967, sponsored jointly by the Japan Society for the Promotion of Science and the NSF.

5118-69

NEW THYSANOPTERA FROM CENTRAL ASIA (U. S. S. R.).
J Pelikan
Acta Ent Bohemoslov 60(1-2):99-113
1963 420 C33
Insect identification, Insect taxonomy, Thysanoptera, Zoogeography. Czech summary.

5119-69

TWO NEW SPECIES OF OEDALEOTHRIPS (THYSANOPTERA) FROM ASIA.
J Pelikan
Acta Ent Bohemoslov 58(4):302-309
1961 420 C33
Insect identification, Insect taxonomy, Thysanoptera, Zoogeography. Czech summary.

5120-69

A NEW SPECIES OF POECILMITIS BUTLER (RHOPALOCERA) FROM THE SOUTH WESTERN CAPE.
K M Pennington
Novos Taxa Entomol (56):1-8
Feb 1968 421 N853
Insect taxonomy, Lycanidae, Poecilmitis, Zoogeography.

5121-69

ON THE KNOWLEDGE OF GERMAN FLEAS. II. FAUNA AND ECOLOGY OF THE FLEAS OF BIRDS (INSECTA, SIPHONAPTERA). (GE)
F Peus

- Zool Jahrbucher Abt Allg Zool Physiol Tiere*
95(4):571-633 REF
196, 410 Z751Z
Birds, Catalogs, Insect taxonomy, Parasitic insects, Siphonaptera.
- 5122-69**
GENERA AND SPECIES OF THE DERMAPTERA. 10. FORFICULINAE (FORFICULIDAE).
E J Popham A Brindle
Entomologist (london) 102(1270):61-66
Mar 1969 421 EN8
Catalogs, Dermaptera, Insect taxonomy, Zoogeography.
- 5123-69**
GENERA AND SPECIES OF DERMAPTERA (9) OPISTHOCOSMINAE (FORFICULIDAE).
E J Popham
Entomologist (london) 101(1267):276-280
Dec 1968 421 EN8
Dermaptera, Forficulidac, Insect taxonomy, Zoogeography.
- 5124-69**
A NEW SPECIES OF TRACHYSPHYRUS FROM THE ANDES OF ECUADOR (HYMENOPTERA, ICHNEUMONIDAE).
C C Porter
Psyche 74(1):27-33 MAP
Mar 1967 421 P95
Ichneumonidac, Insect geography, Insect taxonomy, Trachysphyrus, Zoogeography.
- 5125-69**
ON THE SYSTEM OF CLASSIFICATION OF TICKS OF THE FAMILY ARGASIDAE CAN., 1890. I. TWO CLASSIFICATIONS OF ARGASIDAE.
M V Pospelova-Shtrom
Acarologia 11(1):1-22 REF
Jan 1969 434.8 AC1
Argasidac, Insect taxonomy.
- 5126-69**
NEW DESCRIPTION OF PALEARCTIC SCROBIPALPA SPECIES. (LEPIDOPTERA, GELECHIIDAE). (GE)
D Povolny
Acta Ent Bohemoslov 5(63):394-408
1966 420 C33
Gelechiidac, Insect identification, Insect taxonomy, Zoogeography. 14 new species are described.
- 5127-69**
A REVIEW OF THE GENUS DICTEISIA BEDFORD (MALLOPHAGA: MENOPONIDAE) WITH DESCRIPTION OF A NEW SPECIES.
R D Price
J Med Entomol 5(4):445-452
30 Oct 1968 421 J828
Dicteisia, Dicteisia keleri, Insect identification, Insect taxonomy, Medical entomology, Menoponidac.
- 5128-69**
CYNIPINAE (HYMENOPTERA) OCCURRING ON PHLOMIS L.
J Quinlan
Roy Entomol Soc London Trans 120(13):275-286 REF
20 Dec 1968 420 L84
Aulacidea, Cynipidac, Gall-making insects, Insect morphology, Insect taxonomy, Panteliella, Phanaeus, Phlomis, Rhodus oriundus.
- 5129-69**
NEW AND KNOWN DERMAPTERA FROM SOUTH INDIA WITH TWO GENERIC RECORDS NEW TO INDIA.
B N Ramamurthi
Zool Anz 18(1-2,JUL-SEP):128-136
Sep 1968 410 Z7
Dermaptera, Insect taxonomy, Zoogeography.
- 5130-69**
A REDESCRIPTION OF THE TYPE SPECIMEN OF CROTONIA (ACRONOTHRUS) OBTECTA (O. PICKARD-CAMBRIDGE, 1875), (ACARI, CRYPTOSTIGMATA) AND A DISCUSSION OF ITS TAXONOMIC RELATIONSHIPS.
G W Ramsay M Luxton
Ann Mag Natur Hist 1(4,OCT-DEC):473-480
Dec 1967 410 AN77
Acarina, Insect taxonomy, Zoogeography.
- 5131-69**
A NEW GENUS OF WINGLESS N. AMERICAN SPHAEROCERID FLIES.
O W Richards
Ann Mag Natur Hist 1(3,JUL-SEP):373-376
Sep 1967 410 AN77
Insect taxonomy, Sphaeroceridac.
- 5132-69**
NORTH AMERICAN SPECIES OF TAENIOP-TERYX (PLECOPTERA, INSECTA).
W E Ricker H H Ross
Can Fish Res Board J 25(7):1423-1439
Jul 1968 442.9 C16J
Catalogs, Insect taxonomy, Plecoptera, Zoogeography.
- 5133-69**
WHAT IS PIERIS DUBIOSA ROBER (LEP., PIERIDAE).
N D Riley S R Bowden
Entomologist (london) 102(1270):49-54
Mar 1969 421 EN8
Insect names, Insect taxonomy, Pieris, Pieris rapac, Zoogeography.
- 5134-69**
A NEW SPECIES OF NEPYTIA FROM THE SOUTHERN ROCKY MOUNTAINS (LEPIDOPTERA: GEOMETRIDAE).
F H Rindge
N Y Entomol Soc J 75(2):74-76
Jun 1967 420 N48J
Geometridac, Insect taxonomy, Nepytia.
- 5135-69**
A REVISION OF THE NEOTROPICAL SPECIES OF THE MOTH GENUS GLENA (LEPIDOPTERA, GEOMETRIDAE).
F H Rindge
Amer Mus Nat Hist Bull 135(3):107-171 REF
1967 500 N483B
Geometridac, Insect taxonomy, Zoogeography.
- 5136-69**
ON THE SYNONYMY OF LEUCOPHLEBIA LINEATA BRUNNEA CLOSS WITH REMARKS ON SOME SPHINGIDS COLLECTED BY SAUTER IN FORMOSA, NOW IN THE GERMAN ENTOMOLOGICAL INSTITUTE. (LEPIDOPTERA: SPHINGIDAE). (GE)
J C E Riotte
Beitr Entomol 18(1-2):229-232
1968 421 B392
Insect taxonomy, Sphingidac. English and Russian abstracts
- 5137-69**
SOUTH AMERICAN THROMBIDIIDAE. II. CHYZERINI THROMBIDIINAE; SOLENOCYTE TAXONOMY OF THE PALPUS IN SEVERAL THROMBIDI A ; TH R LATIO-SHIP BETWEEN PODOTHROMBIUM BERLESE 1910 -- VARIATHROMBIUM N. G., AND THROMBIDIINAE. (FR)
P Robaux
Acarologia 11(1):69-93 REF
Jan 1969 434.8 AC1
Insect taxonomy, Mites, Trombidiidac, Variathrombium, Zoogeography.
- 5138-69**
CONTRIBUTION TO THE FAUNA OF THE CONGO (BRAZZAVILLE). MISSION A. VIL-LIERS AND A. DESCARPENTRIES. XLVI. LEPIDOPTERA, ATTACIDAE. (FR)
P C Rougeot
- Inst Fundamental Afr Noire Bull Ser A Sci Natur*
29(1):345-346
Jan 1967 515 D14
Insect taxonomy, Saturniidac, Zoogeography.
- 5139-69**
PRELIMINARY NOTE ON A REVIEW OF SUB-GENUS TAENIOTHIRIPS (ISOCHAETOTHIRIPS) (THYSANOPTERA: THRIPIDAE).
K Sakimura
Pacific Insects 9(4):721-726 REF
20 Nov 1967 421 P11
Catalogs, Insect taxonomy, Taeniothrips, Zoogeography.
- 5140-69**
CONTRIBUTIONS TO THE KNOWLEDGE OF THE FAMILY ANOETIDAE (ACARI). (GE)
K Samsinak
Acta Ent Bohemoslov 59(1):87-97 REF
1962 420 C33
Anoetidac, Insect ecology, Insect taxonomy, Parasitism. Czech summary.
- 5141-69**
NEW CONTRIBUTION TO THE KNOWLEDGE OF THE ITALIAN PSYCHODIDAE (DIPTERA). (IT)
M Sara G Salamanna
Soc Entomol Ital Mem 46(1):27-72 MAP REF
1967 420 IT1M
Catalogs, Insect taxonomy, Psychodidac, Zoogeography. English abstract
- 5142-69**
ON SOME SCOLYTIDAE AND PLATYPODIDAE OF ECONOMIC IMPORTANCE FROM THE TERRITORY OF PAPUA AND NEW GUINEA. 250. CONTRIBUTION TO THE MORPHOLOGY AND TAXONOMY OF THE SCOLYTOIDEA).
K E Schedl
Pacific Insects 10(2):261-270
1968 421 P11
Cacao, Forest insects, Hevea, Insect pests, Insect taxonomy, Platypodidac, Scolytidac.
Species of Scolytidac and Platypodidac many, of which are major forest pests in Papua and New Guinea, are listed. Several new species are described.
- 5143-69**
THE IDENTITY OF NAPHIUS SEED BUG PESTS IN AFRICA (HEMIPTERA: LYGAEIDAE).
G C E Scudder
Bull Entomol Res 58(PT 2):205-212 MAP REF
Nov 1968 421 B87
Hemiptera, Insect identification, Insect pests, Lygaeidac, Seeds, Zoogeography.
- 5144-69**
A CONTRIBUTION TO THE SYSTEMATICS OF ORIENTAL AND AUSTRALIAN BLISSINAE (HEMIPTERA: LYGAEIDAE).
J A Slater
Pacific Insects 10(2):275-294 MAP
1968 421 P11
Australian Region, Insect taxonomy, Lygaeidac, Oriental region.
- 5145-69**
KEY FOR THE DETERMINATION OF SPECIES FROM U.S.S.R. BELONGING TO THE GENUS SCOLYTUS GEOFFROY (SCOLYTIDAE, COLEOPTERA). (RU)
B V Sokanovskij
Acta Ent Bohemoslov 5(63):380-393 REF
1966 420 C33
Insect identification, Insect taxonomy, Scolytidac, Zoogeography.
- 5146-69**
TWO NEW SPECIES OF PRAON HALIDAY FROM CZECHOSLOVAKIA (HYM., APHIDIIDAE).
P Stary
Acta Ent Bohemoslov 58(4):340-343

5147-69

1961 420 C33
Braconidae, Insect identification, Insect taxonomy, Praon, Zoogeography. Czech summary.

5147-69

ENTOMOLOGICAL RESULTS OF CATCHES IN THE AREA OF SAN BERNARDINO (MISOX GR), WHICH HAS NOT BEEN FULLY EXPLORED LEPIDOTEROLOGICALLY. (A BUILDING BLOCK OF THE SWISS LEPIDOPTERA FAUNA). (GE)

O Sterzl
Entomol Gesell Basel (N s) 15(1, JAN-FEB): 1-9
1965 QL461.E58

Geometridae, Insect identification, Insect taxonomy, Lepidoptera, Microlepidoptera, Noctuidae, Zoogeography. 187 different species were caught and are listed.

5148-69

FINNISH DISCOVERY OF ALEOCHARA PEEZIANA LOHSE (COLEOPTERA, STAPHYLINIDAE). (SW)

S Stockmann
Notulae Entomol 48(3): 135
421 N84

Aleochara, Insect taxonomy, Staphylinidae.

5149-69

SAPRINUS CUSPIDATUS IHSEN FROM FINLAND (COLEOPTERA, HISTERIDAE). (SW)

S Stockmann
Notulae Entomol 48(3): 136
1968 421 N84

Histeridae, Insect taxonomy, Saprinus.

5150-69

A WIDELY DISTRIBUTED PINE SAP INJURIOUS, ACANTHOPHILA PICEANA N. SP. (LEP. GELECHIIDAE) IN LATVIA. (GE)

A Sules
Deut Entomol Z 15(4-5): 427-430
01 Oct 1968 421 D48

Gelechiidae, Insect pests, Insect taxonomy, Lepidoptera, Parasitic insects, Pinus, Sap.

5151-69

TWO SPECIES OF COPIDOSOMA PARASITIC ON THE POTATO TUBER MOTH (HYMENOPTERA: CHALCIDOIDEA-ENCYRTIDAE).

T Tachikawa
Shikoku Entomol Soc Trans 9(4): 112-116
Apr 1968 420 SH6

Copidosoma, Copidosoma koehleri, Encyrtidae, Gnorimoschema operculella, Hymenoptera, Insect taxonomy, Parasitism.

5152-69

DISCOVERY OF THE GENUS ANUSIOIDEA GIRAULT FROM ASIA (HYMENOPTERA: CHALCIDOIDEA-ENCYRTIDAE).

T Tachikawa
Shikoku Entomol Soc Trans 9(4): 117-118
Apr 1968 420 SH6

Hymenoptera, Insect identification, Insect taxonomy, Pseudococcus.

5153-69

A NEW NAME FOR METAPHYCUS ERIOCOCI ALAM (HYMENOPTERA: CHALCIDOIDEA-ENCYRTIDAE).

T Tachikawa
Shikoku Entomol Soc Trans 9(4): 111
Apr 1968 420 SH6

Encyrtidae, Hymenoptera, Insect identification, Insect names, Insect taxonomy.

5154-69

METAPSAENYTHIA, A NEW PANURGINE BEE GENUS (HYMENOPTERA, ANDRENIDAE).

P H Timberlake
Entomol News (philadelphia) 80(4): 89-92
Apr 1969 421 EN88

Andrenidae, Insect taxonomy.

5155-69

THE BUMBLEBEE FAUNA IN THE NEIGHBORHOOD OF THE KUKU-NOR. (HYMENOPTERA, BOMBINAE). (GE)

B Tkalec

Acta Ent Bohemoslov 58(4): 344-379 MAP REF
1961 420 C33

Bombinac, Insect ecology, Insect taxonomy, Zoogeography. Czech summary. many other species are described.

5156-69

EVANSIPSYLLA THYSANOTA, A NEW GENUS, NEW SPECIES OF FLEA FROM NEPAL (SIPHONAPTERA: HYSTRICHOPSYLLIDAE).

R Traub
J Med Entomol 5(4): 411-421
30 Oct 1968 421 J828

Evansipsylla thysanota, Hystrichopsyllidae, Insect identification, Insect taxonomy, Medical entomology, Siphonaptera.

5157-69

ON SOME SPHECOIDEA FROM THE RYUKYUS (HYMENOPTERA).

K Tsuneki
Shikoku Entomol Soc Trans 9(4): 107-111
Apr 1968 420 SH6

Hymenoptera, Insect identification, Sphecoidea, Zoogeography.

5158-69

PROCEEDINGS OF THE ENTOMOLOGICAL SOCIETY OF ONTARIO.

Entomol Soc Ontario Proc 97: 1-141
1966 420 ON8

Entomology, Indexing, Insect pests, Reports, Research.

5159-69

STUDIES ON THE AGE COMPOSITION OF ANOPHELES CULICIFACES POPULATIONS IN INDIA AT DIFFERENT PHASES OF DEVELOPMENT OF RESISTANCE TO DDT.

Entomol Soc Amer Ann 58(6): 918-923, 17 REFS., 3 TABS., 3 FIGS.
Nov 1965 420 EN82

Anopheles, DDT, India, Insecticide resistant insects.

5160-69

APPEAL CONCERNING THE CLASSIFICATION OF INVERTEBRATE VIRUSES.

C Vago
354-355
1967 SB932.15

Classification, Invertebrates, Virology, Virus diseases (insects).

5161-69

A RE-ASSESSMENT OF THE GENERA HOLORUSIA LOEW (OCTENACROSCELIS ENDERLEIN), ISCHNOTOMA SKUSE AND ZELANDOTIPULA ALEXANDER (DIPTERA: TIPULIDAE), WITH NOTES ON THEIR PHYLOGENY AND ZOOGEOGRAPHY.

R I Vane-Wright
Ann Mag Natur Hist 1(4, OCT-DEC): 511-547
NAP REF

Dec 1967 410 AN77

Insect evolution, Insect taxonomy, Tipulidae, Zoogeography.

5162-69

A REVISION OF THE NEDTROPICAL GENUS METAMASIVUS (COLEOPTERA, CURCULIONIDAE, RHYNCHOPHORINAE).

P Vauric
Amer Mus Nat Hist Bull 136(4): 175-268 MAP REF

1967 500 N483B

Curculionidae, Insect taxonomy, Metamasivus, Zoogeography.

5163-69

THE ESTABLISHMENT OF A LECTOTYPE FOR LEPTOTROMBIDIUM (LEPTOTROMBIDIUM) AKAMUSHI (BRUMPT, 1910) (ACARINA: TROMBICULIDAE). (FR)

P H Vereammen-Grandjean
Acarologia 11(1): 94-102 REF
Jan 1969 434.8 AC1

Insect taxonomy, Leptotrombidium, Mites, Trombiculidae, Zoogeography. English abstract.

5164-69

NOTES ON SYNOYNUUS OF AFRICAN REDUVIIDAE. (FR)

A Villiers
Inst Fondamental Afr Noire Bull Ser A Sci Natur 29(1): 159-162
Jan 1967 515 D14

Catalogs, Insect taxonomy, Reduviidae.

5165-69

WHAT IS PSALLUS DILUTUS FIEBER 1858 (HEM., HET., MIRIDAE). (GE)

E Wagner
Deut Entomol Ges Mitt 20(5-6): 74-78
15 Nov 1961 420 D482

Hemiptera, Heteroptera, Miridae, Nomenclature, Taxonomy.

5166-69

THE VALIDITY OF THE SEPARATION OF THRIPS PHYSAPUS L. AND T. HUKKINENI PRIESNER (THYSANOPTERA: THIRIPIDAE).

L K Ward
Roy Entomol Soc London Trans 120(18): 395-416 REF

31 Dec 1968 420 L84

Antennae, Insect biology, Insect morphology, Larvac, Oviposition, Taraxacum, Thripidae, Thrips hukkineni, Thrips physapus.

5167-69

THE INFECTION OF IMMATURE AQUATIC INSECTS BY LARVAL PARAGORDIUS (NEMATODORPHA).

D A White
Great Basin Natur 39(1): 44 REF
28 Mar 1969 410 G79

Aquatic insects, Bactidae, Brachycentridae, Corixidae, Ephemerellidae, Larvac, Leptophlebiidae, Nematodormpha, Paragordius, Pupae, Simuliidae.

5168-69

CATALOGUE OF THE COLEOPTERA CETONIIDAE IN THE LEIDEN MUSEUM. I. GOLIATHUS LAMARCK, SENSU LATO.

J T Wiebes
Leiden Rijksmus Natuur Hist Zool Mededel 43(3): 19-40 MAP REF

25 Sep 1968 410.9 L59

Catalogs, Coleoptera, Insect taxonomy, Scarabacidae.

5169-69

REDESCRIPTION OF SYCAPHAGINAE FROM CEYLON AND INDIA, WITH DESCRIPTION OF LECTOTYPES, AND A WORLD CATALOGUE OF THE OTITSELLINI (HYMENOPTERA, CHALCIDOIDEA, TORYMIDAE).

J T Wiebes
Tijdschr Entomol 110(13): 399-442 REF
30 Dec 1967 421 T21

Catalogs, Insect taxonomy, Torymidae.

5170-69

COLEOPTERA: CANTHARIDAE, MALACHIIDAE AND DASYTIDAE FROM NEW CALEDONIA, NEW HEBRIDES AND FIJI IN BISHOP MUSEUM, HONOLULU.

W Wittmer
Pacific Insects 10(2): 345-352
1968 421 P11

Cantharidae, Coleoptera, Insect taxonomy, Meloidae.

5171-69

SPIDER WASPS OF FINLAND (HYM., POMILOIDEA). (FI)

H Wolf
Acta Entomol Fenn 23: 7-46 MAP REF
1967 421 AC8

Hymenoptera, Insect taxonomy, Pompilidae, Zoogeography.

- 5172-69**
REASSIGNMENT OF THE AMBIGUA GROUP OF PRISTIPHORA TO A NEW GENUS, SHARLIPHORA (HYMENOPTERA: TENTHREDINIDAE).
 H R Wong
Can Entomol 101(3):332-335
 Mar 1969 421 C16
 Insect identification, Insect taxonomy, Tenthredinidae.
- 5173-69**
A REVIEW OF SIMULIUM (PTERNASPATHA) ENDERLEIN (SIMULIIDAE, DIPTERA).
 P Wygodzinsky S Coscaron
Amer Mus Nat Hist Bull 136(2):47-116 MAP REF
 1967 500 N483B
 Insect taxonomy, Simuliidae, Zoogeography.
- 5174-69**
ARGAS (ARGAS) JAPONICUS, NEW SPECIES, ASSOCIATED WITH SWALLOWS IN JAPAN AND KOREA (IXODOIDEA, ARGASIDAE).
 N Yamaguti C M Clifford V J Tipton
J Med Entomol 5(4):453-459
 30 Oct 1968 421 J828
 Argas japonicus, Argasidae, Birds, Insect identification, Insect taxonomy, Ixodidae, Medical entomology, Parasitism.
- 5175-69**
FATTY ACID COMPOSITION OF LIMITED USE IN APHID TAXONOMY.
 W J Yurkiewicz
Entomol News (philadelphia) 80(4):85-87
 Apr 1969 421 EN88
 Aphididae, Chromatography, Fatty acids, Insect biochemistry, Insect taxonomy.
- 5176-69**
THE MORPHOLOGY AND SYSTEMATIC OF COPTOPTERYX GAYI (BLANCHARD) 1851 (MANTIDAE). (SP)
 S Zapata
Chile Univ Centro Estud Entomol Publ (8):23-44
 1966 420 C432
 Coptopteryx gayi, Illustrations, Insect biology, Insect morphology, Insect names, Insect taxonomy, Zoogeography. English summary.
 The author studies the synonymy of the species Coptopteryx gayi.
- 5177-69**
THE COSMOPOLITES BANANA WEEVILS (COLEOPTERA: CURCULIONIDAE: RHYNCHOPHORINAE).
 E C Zimmerman
Pacific Insects 10(2):295-299
 1968 421 P11
 Bananas, Cosmopolites, Curculionidae, Insect identification, Insect taxonomy.
 A taxonomic comparison of two species of weevils belonging to the genus Cosmopolites is presented. Both species are banana pests.
- PHYSIOLOGY AND BIOCHEMISTRY**
- 5178-69**
FLYING BEETLES.
 C E Abbott
Science 163(3874):1400
 28 Mar 1969 470 SCI2
 Coleoptera, Insect behavior, Insect flight, Mimicry. Letter to the editor concerning article in Science 163(38866)486-488.
- 5179-69**
REMARKS ON SOME LARCH-FEEDING TORTRICIDS (LEPIDOPTERA, TORTRICIDAE).
 S F Adamczewski
Pol Akad Nauk Inst Zool Ann Zool 25(5):5P
 1967 410.9 W26
 Feeding, Insect behavior, Larix, Laspeyresia, Tortricidae. Polish and Russian summaries.
- 5180-69**
CONTINUOUS VARIATION IN RELATED SPECIES OF THE GENUS CATOCALA (NOCTUIDAE).
 M S Adams M S Bertoni
Lepidopterists Soc J 22(4):231-236
 1968 421 L554
 Catocala, Insect morphology, Noctuidae, Statistical analysis.
- 5181-69**
A COMPARATIVE ELECTROPHORESIS STUDY OF THE TRIATOMA RUBIDA COMPLEX (HEMIPTERA: REDUVIIDAE: TRIATOMINAE).
 R R Adams R E Ryekman
J Med Entomol 6(1):1-18 REF
 30 Jan 1969 421 J828
 Electrophoresis, Hemolymph, Insect identification, Insect physiology, Medical entomology, Proteins, Reduviidae, Triatoma.
- 5182-69**
THE INDUCTION OF NAD KINASE BY DDT IN TRIATOMA INFESTANS.
 M Agosin J Ilivicky S Litvak
Can J Biochem 45(5):619-626 REF
 May 1967 470 C16E
 DDT, Enzymes, Kinases, Nymphs, Triatoma infestans.
 Abstract
- 5183-69**
SOME PROPERTIES OF THE MICROSOMAL SYSTEM METABOLIZING DDT IN TRIATOMA INFESTANS.
 M Agosin N Scaramelli L Gil M E Letelier
Compar Biochem Physiol 29(2):785-793
 May 1969 444.8 C73
 DDT, Enzymes, Insect metabolism, Larvae, Microsomes, Triatoma infestans.
- 5184-69**
ANTS IN THE HOME AND GARDEN; HOW TO CONTROL THEM.
U S D A Home Gard Bull (28):8P
 Apr 1969 1 AG84HG
 Accident prevention, Chemical control (insects), Chlordane, Chlorinated hydrocarbons, Diazinon, Dieldrin, Formicidae, Household insects, Insecticide application, Insecticides, Lindane, Malathion, Organophosphorus compounds, Social insects.
- 5185-69**
HOW TO CONTROL BED BUGS.
U S D A Leaflet (453):8P
 Feb 1969 1 AG84L
 Chemical control (insects), Chlorinated hydrocarbons, Cimex lectularius, DDT, Insecticide resistant insects, Insecticides, Malathion, Organophosphorus compounds, Pyrethrum, Ronnel, Spraying.
- 5186-69**
WATCH FOR THE CEREAL LEAF BEETLE.
USDA PA- (550):4P
 Jan 1964 1 AG84PRO
 Grain, Insect identification, Insect pests, Oulema melanopus, Plant injuries, Plant pest control, Quarantine.
- 5187-69**
CONTROLLING THE JAPANESE BEETLE.
U S D A Home Gard Bull (159):15P
 Mar 1969 1 AG84HG
 Accident prevention, Chemical control (insects), Chlordane, Chlorinated hydrocarbons, Cultural control (insects), DDT, Milky disease, Natural control (insects), Plant injuries, Popillia japonica, Toxaphene.
- 5188-69**
HUGHES VIRUS FROM TRINIDADIAN TICKS AND TERNS.
 T H G Aitken A H Jonkers E S Tikasingh C B Worth
J Med Entomol 5(4):501-503 MAP
 30 Oct 1968 421 J828
 Arboviruses, Birds, Ixodidae, Medical entomology, Zoogeography.
- 5189-69**
OXIDATIVE METABOLISM OF CARBOHYDRATES IN PHYTOPHAGOUS INSECTS. I. GLYCOLYSIS IN THE COTTON STAINER DYSDERCUS FASCIATUS SIGNORET (PYRRHOCORIDAE, HEMIPTERA).
 M A Alikhan
Cur Sci 36(16):443
 20 Aug 1967 475 SCI23
 Carbohydrates, Dysdercus fasciatus, Glycolysis, Insect biochemistry, Insect metabolism, Phytophagous insects.
- 5190-69**
ON THE MULTIPLE EFFECTS OF OEDYMERISM IN THE MALES OF NESOTHRIPS FALCATUS ANANTHAKRISHNAN.
 T N Ananthakrishnan
Cur Sci 36(22):610-611
 20 Nov 1967 475 SCI23
 Development, Insect morphology, Thysanoptera.
- 5191-69**
THE BIOLOGY OF THE CONENOSE BUG PARASITE, PIMELIAPHILUS PLUMIFER NEWELL AND RYCKMAN (ACARINA: PTERYGOSOMIDAE) (HEMIPTERA: REDUVIIDAE).
 R C Anderson
J Med Entomol 5(4):473-477
 30 Oct 1968 421 J828
 Ectoparasites, Insect biology, Medical entomology, Pimeliaphilus plumifer, Pterygosomidae, Reduviidae.
- 5192-69**
ECOLOGICAL OBSERVATIONS ON THREE SPECIES OF PIMELIAPHILUS PARASITES OF TRIATOMINAE IN THE UNITED STATES (ACARINA: PTERYGOSOMIDAE) (HEMIPTERA: REDUVIIDAE).
 R C Anderson
J Med Entomol 5(4):459-464 REF
 30 Oct 1968 421 J828
 Ectoparasites, Insect ecology, Medical entomology, Pimeliaphilus plumifer, Pterygosomidae, Reduviidae, Triatominae.
- 5193-69**
THE PHOTOPERIOD AS A CONTROL AGENT AGAINST ADOXOPHYES RETICULANA (LEPIDOPTERA; TORTRICIDAE).
 G W Ankersmit
Entomol Exp Appl 11(2):231-240
 1968 421 EN895
 Culture media, Insect control, Photoperiodism, Tortricidae. German summary.
- 5194-69**
BOMBS AWAY ON BUGS.
 Anonymous
Nations Agr 44(2):15-16
 Feb 1969 280.82 B89
 Aerial spraying, Carbamates, Carbaryl, Chemical control (insects), Costs, Dimethoate, Insect pests, Pesticide application.
- 5195-69**
HARD TO KILL PESTS OF FRUIT TREES - WOOLLY APPLE-APHID.
 Anonymous
Fruit World Market Grower 69(9):34
 10 Sep 1968 80 F948
 Aphididae, Apples, Chemical control (insects), Citrus, Eriosoma lanigerum, Fruit trees, Insect identification, Insecticide resistant insects, Insecticides, Plant injuries, Spraying.
 The following insecticides were tested: vamidothion, mevinphos, thiometon, dimethoate, demeton-s-methyl and menazon.

5196-69

5196-69

EARLY SEASON INSECTS NO PROBLEM FOR B. A. JORDAN.

Anonymous

Miss Farmer 17(5):6

May 1969 6 M6992

Aphididae, Chemical control (insects), Chlorinated hydrocarbons, Crop yields, DDT, Insect pests, Insecticides, Plant injuries, Plant protection, Thysanoptera, Toxaphene.

5197-69

ULTRASTRUCTURE OF A CYTOPLASMIC POLYHEDROSIS VIRUS AFFECTING THE MONARCH BUTTERFLY, DANAUS PLEXIPPUS. I. DEVELOPMENT OF VIRUS AND NORMAL POLYHEDRA IN THE LARVA.

H J Arnott K M Smith S L Fullilove

J Ultrastruct Res 24(516):479-507 REF

Sep 1968 440.8 J822

Danaus plexippus, Insect diseases, Larvae, Polyhedroses, Virology.

5198-69

POLARIZED LIGHT OBSERVATIONS ON STRIATED MUSCLE CONTRACTION IN A MITE.

J F Aronson

J Cell Biol 32(1):169-179 REF

Jan 1967 442.8 J828

Insect physiology, Light, Microscopy, Mites, Muscles, Polarization, Tarsonemus.

5199-69

BROMOLYSERGIC ACID DIETHYLAMIDE IN PHYSIOLOGICAL STUDIES OF LEPIDOPTEROUS LARVAE.

W C Asher

J Econ Entomol 62(2):386-388

15 Apr 1969 421 J822

Amines, Bromolysergic acid diethylamide, Dorsal vessel, Gastrointestinal system, Indole, Insect physiology, Larvae, Lepidoptera, Paralysis.

5200-69

CONDITIONS OF FORMATION OF WATER RESERVOIRS-BREEDING PLACES OF BLOOD-SUCKING MOSQUITOES (CULICIDAE). (RUS)

G A Babayants

Med Parazitol Parazitarn Bolezni 37(5,SEP/OCT):565-570

1968 448.8 M469

Culicidae, Habitats, Insect rearing, Reservoirs. English summary.

5201-69

UNIT-HAIR RECEPTOR ACTIVITY FROM THE TELSON OF THE SCORPION, HETEROMETRUS FULVIPES.

K S Babo P S Reddy

Cur Sci 36(22):599-600

20 Nov 1967 475 SCI23

Hair, Heterometrus fulvipes, Mechanoreceptors, Sound waves.

5202-69

STUDY OF VARIATIONS IN NEUROSECRETION AT THE LEVEL OF THE BRAIN AND THE SUB-ESOPHAGEAL GANGLION IN THE FEMALE IMAGOS OF RHODNIUS PROLIXUS (STAL) HEMIPTERA. (FR)

J C Bachr

Acad Sci Compt Rend Ser D Sci Nat 268(1, 1ST SEMESTER):151-154 REF

06 Jan 1969 505 P21

Insect physiology, Nervous system, Reduviidae, Rhodnius prolixus, Secretion.

5203-69

THE ARTHROPOD FAUNA OF SAMBHAR SALT LAKE, RAJASTHAN, INDIA.

I C Baid

Oikos 19(2):292-303 MAP REF

1968 410 O14

Aquatic insects, Arthropoda, Ecology, Marine biology, Surveys.

5204-69

EXPERIMENTS ON THE ETIOLOGY OF EUROPEAN FOUL BROOD OF THE HONEYBEE.

L Bailey N Locher

J Apicult Res 7(2):103-107 REF

1968 424.8 J82

Apis mellifera, Bacteria, European foulbrood, Insect diseases, Larvae.

5205-69

ANALYSIS OF BARK BEETLE MORTALITY IN SPRUCE FORESTS IN POLAND.

S Balazy

Ekol Pol Ser A (SER A) 16(33):657-688 REF

1968 512 W263

Bionomics, Forest insects, Insect pests, Mortality, Scolytidae. Polish summary.

5206-69

REARING OF IPS CEMBRAE LARVAE ON ARTIFICIAL DIETS: SOME ESSENTIAL AMINO ACIDS AND SUGARS.

R A Balogun

J Insect Physiol 15(1):141-148 REF

Jan 1969 421 J825

Amino acids, Insect diets, Insect metabolism, Insect rearing, Ips, Larvae, Sugars, Variance analysis.

5207-69

THE QUESTION OF RESISTANCE TO PESTICIDES.

B Bancrjcc

Tocklai Exp Sta Newslett 13(3):101-102

Sep 1966 68.18 T93

Chlorinated hydrocarbons, Insect pests, Insecticide resistant insects, Organophosphorus compounds, Pesticide application, Tea.

5208-69

NEW THRUST AGAINST BOLL WEEVILS.

B Barksdale

Farm Quart 24(1,SPRING):100-103,108-109,112

1969 6 F22995

Anthonomus grandis, Chemical control (insects), Insecticides.

5209-69

CHANGE IN THE PHOTIC REACTION DUE TO DDT IN THE GRAIN WEEVIL, SITOPHILUS GRANARIUS (L.) (COLEOPTERA: CURCULIONIDAE).

C A Barlow

Can J Zool 46(1):35-40 REF

Jan 1968 470 C16D

DDT, Light, Photosensitization, Sitophilus granarius.

5210-69

LOCOMOTORY RESPONSES TO TEMPERATURE IN THE GRAIN WEEVIL, SITOPHILUS GRANARIUS (L.) (COLEOPTERA: CURCULIONIDAE).

C A Barlow W D Kerr

Can J Zool 47(2):217-224

Mar 1969 470 C16D

Curculionidae, Insect behavior, Locomotion, Sitophilus granarius, Temperature.

5211-69

CAVE CARABIDAE (COLEOPTERA) OF MAMMOTH CAVE, PART II.

T C Barr

Psyche 74(1):24-26

Mar 1967 421 P95

Carabidae, Coleoptera, Insect ecology, Surveys. Part I. published in *Psyche*—vol. 73:284-287, Dec., 1966

5212-69

INFLATED PLASTIC BAGS AS CAGES FOR INSECTS ON POTTED PLANTS.

B R Bartlett G Kats

J Econ Entomol 62(2):524-525

15 Apr 1969 421 J822

Bags, Equipment, Insect cages, Insect rearing, Ornamental plants, Tetranychidae.

5213-69

HISTOPHYSIOLOGICAL STUDIES ON NEUROSECRETION IN THE VENTRAL NERVOUS SYSTEM OF RHODNIUS PROLIXUS STAL (HEMIPTERA) DURING THE IMAGO STAGE. (FR)

N Baudry

Acad Sci Compt Rend Ser D Sci Nat 268(1, 1ST SEMESTER):147-150 REF

06 Jan 1969 505 P21

Insect histology, Insect physiology, Nervous system, Reduviidae, Rhodnius prolixus, Secretion.

5214-69

OBSERVATION ON LASPEYRIA PACTOLANA ZELL.: A PYRALID OF VERTICILLATE PICEA. (FR)

R Baurant

Gemblox Inst Agron Etat Bull 3(2):217-225

MAP

1968 105.1 G285

Chemical control (insects), Cultural control (insects), Olethreutidae, Zoogeography. English summary.

The biology of *Laspeyresia pactolana*, its geographical distribution in Belgium and its chemical and cultural methods of control are discussed.

5215-69

INVESTIGATIONS INTO THE CIRCULATORY SYSTEM OF THE MIGRATORY LOCUST (LOCUSTA MIGRATORIA MIGRATORIOIDES TR. ET F., ORTH.) WITH SPECIAL REFERENCE TO THE BLOOD PRESSURE. (GE)

R Bayer

Z Vergleichende Physiol 58(1):76-135 REF

1968 444.8 Z3

Blood pressure, Circulatory system, Insect morphology, Insect physiology, *Locusta migratoria migratorioides*. English summary.

5216-69

CONTRIBUTION TO THE KNOWLEDGE OF THE COSMOPOLITES SORDIDUS (GERMAR)(COLEOPTERA, CURCULIONIDAE). (2). (IT)

F Beccari

Riv Agr Subtrop Trop 41(4-6,APR-JUN):131-150

REF

1967 26 AG82

Aldrin, Bananas, Chemical control (insects), Chlorinated hydrocarbons, Coleoptera, *Cosmopolites sordidus*, Curculionidae, Dieldrin, Insect biology, Insect morphology, Plant protection, Predaceous insects. English, French and Spanish summaries.

5217-69

WESTERN PINE BEETLE: FIELD RESPONSE TO ITS SEX PHEROMONE AND A SYNERGISTIC HOST TERPENE, MYRCENE.

W D Bedard P E Tilden D L Wood R M

Silverstein R G Brownlee

Science 164(3885):1284-1285 REF

13 Jun 1969 470 SCI2

Attractants, *Dendroctonus brevicomis*, Insect behavior, Insect biochemistry, Myrcene, Pheromones, Predaceous insects, Synchronism.

5218-69

NOTES ON SOME NEMATINAE FROM CZECHOSLOVAKIA (HYM., TENTHREDINIDAE).

K Benes

Acta Ent Bohemoslov 59(1):38-41 REF

1962 420 C33

Insect identification, Tenthredinidae, Zoogeography. Czech summary.

The six species of the subfamily Nematinae new to Czechoslovakia are *Priophorus lacvivorus*, *Hoplocampa alpina*, *Pontoprastia amentorum*, *Pontoprastia borcoalpina*, *Amauronematus lucopyga* and *Nematus frenalis*.

5219-69

THE WING MECHANISM INVOLVED IN THE COURTSHIP OF DROSOPHILA.

- H C Bennet-Clark A W Ewing
J Exp Biol 49(1):117-128 REF
Aug 1968 442.8 B77
Drosophila melanogaster, Insect behavior, Insect flight, Sex behavior, Wings (insects).
- 5220-69**
A SEASONAL FORM OF *BALIOCHILA SINGULARIS* STEMPFFER AND BENNETT FROM SOUTHERN RHODESIA (LEPIDOPTERA: LYCAENIDAE).
N H Bennett
Entomologist (london) 102(1271):73-74
Apr 1969 421 EN8
Baliochila singularis, Butterflies, Insect morphology, Lycaenidae.
- 5221-69**
THE TOXIC ACTION OF *BACILLUS THURINGIENSIS* EXOTOXIN ON *DROSOPHILA* REARED IN YEAST-CONTAINING AND YEAST-FREE MEDIA.
G Benz J M Perron
Experientia 23(10):871-872
15 Oct 1967 475 EX7
Bacillus thuringiensis, Biological assay, Culture media, *Drosophila*, Insect rearing, Toxicology, Yeasts.
- 5222-69**
THE ACTION OF IONTOPHORETICALLY APPLIED GLUTAMATE ON INSECT MUSCLE FIBRES.
R Beranek P L Miller
J Exp Biol 49(1):83-93 REF
Aug 1968 442.8 B77
Acrididae, Electrophoresis, Glutamate, Insect biology, *Locusta migratoria*, Muscles, Schistocerca gregaria.
- 5223-69**
PUPARIUM FORMATION IN FLIES: CONTRACTION TO PUPARIUM INDUCED BY EC-DYSONE.
P Berreur G Fraenkel
Science 164(3384):1182-1183 REF
06 Jun 1969 470 SC12
Calliphora vicina, Ecdysone, Insect hormones, Insect physiology, Pupal cases.
- 5224-69**
BEHAVIOR OF THE GERMAN COCKROACH, *BLATTELLA GERMANICA* (L.), IN RESPONSE TO SURFACE TEXTURES.
R Berthold
N Y Entomol Soc J 75(3):148-153
Sep 1967 420 N48J
Blattella germanica, Insect behavior, Surface finish.
- 5225-69**
THE ACTION OF EXTRACTS OF PARASYMPATHETIC ORGANS AND CORPORA CARDIACA ON DIURESIS IN SEVERAL INSECTS. (FR)
N de Besse M Casal
Acad Sci Compt Rend Ser D Sci Nat 266(6, 1ST SEMESTER):615-618 REF
05 Feb 1968 505 P21
Corpora cardiaca, Diuresis, Insect physiology, *Locusta migratoria*, Nervous system, *Periplaneta americana*.
- 5226-69**
LEPTOCONOPS IRRITANS NOE' IN THE PROVINCE OF GROSSETO: CONTROL PROBLEMS. (IT)
S Bettini E Finizio
Riv Parassitol 29(1):33-47 REF
Mar 1968 436.8 R52
Insect behavior, Insect biology, Insect breeding, Insect control, *Leptoconops irritans*, *Leptoconops kerteszi*. English summary.
- 5227-69**
STRUCTURE AND DEVELOPMENT OF VESICLES IN LARVAL TISSUE CULTURE OF *AEDES AEGYPTI* (L.).
U K M Bhat K R P Singh
J Med Entomol 6(1):71-74
30 Jan 1969 421 J828
Aedes aegypti, Insect histology, Larvae, Medical entomology, Tissue culture.
- 5228-69**
COTTON PESTS CONTROL BY ULTRA LOW VOLUME SPRAYING FROM THE AIR.
G N Bhatia
Agr Aviation 8(3):81-82
Jul 1966 333.8 AG8
Aerial spraying, Chemical control (insects), Chlorinated hydrocarbons, Cotton, Dosage, Endrin, Insect pests, Insecticide application, Malathion, Organophosphorus compounds.
- 5229-69**
STUDIES ON THE ANATOMY OF THE MALE REPRODUCTIVE SYSTEM OF THE RED-COTTON BUG, *DYSDERCUS CINGULATUS* (FABR.), (HETEROPTERA, PYRRHOCORIDAE).
R D S Bhatnagar P Singh
Panjab Univ Res Bull (N S) 19(1-2):89-95
Jun 1968 513 EA72
Dysdercus cingulatus, Insect histology, Insect morphology, Pyrrhocoridae, Reproductive organs.
- 5230-69**
NUTRITIONAL BEHAVIOR OF *TROGODERMA GRANARIUM* EVERTS (COLEOPTERA: DERMESTIDAE) ON LEGUMINOUS SEEDS.
A K Bhattacharya N C Pant
J Stored Prod Res 4(4):305-315 REF
Feb 1969 421 J829
Deficiency diseases, Dermestidae, Insect behavior, Legumes, Nutrition, *Trogoderma granarium*, Yeast cultures.
- 5231-69**
THE CHELICERAL FLAGELLUM OF PSEUDOSCORPIONS.
C P Bishop
Ann Mag Natur Hist 1(3, JUL-SEP):393-397
Sep 1967 410 AN77
Chelonethida, Flagella, Insect morphology, Insect taxonomy, Metamorphosis.
- 5232-69**
EFFECTS OF THE INHIBITOR OF XANTHINE DEHYDROGENASE, 4-HYDROXY-PYRAZOLO(3,4 D)PYRIMIDINE (OR HHP) ON THE RED EYE PIGMENTS OF *DROSOPHILA MELANOGASTER*.
P Boni B De Lerma G Parisi
Experientia 23(3):186-187 REF
15 Mar 1967 475 EX7
Biochemistry, *Drosophila melanogaster*, Eyes, Insect physiology, Xanthine dehydrogenase.
- 5233-69**
OBSERVATION ON THE SEX RATIO IN *PIERIS BRASSICAE* (L.) (LEPIDOPTERA-PIERIDAE).
J S Boparai
Panjab Univ Res Bull (N S) 19(1-2):251-252
Jun 1968 513 EA72
Pieridae, *Pieris brassicae*, Population, Sex.
- 5234-69**
NEW CONTRIBUTIONS TO THE STUDY OF CHALCIDS IN THE SOCIALIST REPUBLIC OF RUMANIA (XIV). (RUM)
M Botoc
Cluj Univ Babes Bolyai Stud Ser Biol 13(1):95-98 REF
1968 442.9 C62
Chalcididae, Insect collection, Insect identification, Reproductive organs, Zoogeography. English and Russian summaries. 13 species of 6 families are listed.
- 5235-69**
PARASITISM IN FALL POPULATIONS OF THE BOLLWORM (*HELIOTHIS ZEA BODDIE*) AND THE TOBACCO BUDWORM (*HELIOTHIS VIRESCENS* F.) FROM COTTON ON THE HIGH AND ROLLING PLAINS, 1967.
D G Bottrell D M Arnold
Tex Agr Exp Sta Progr Rep (2628):7P
Dec 1968 100 T31P (2)
Cotton, *Heliothis virescens*, *Heliothis zea*, Parasitism.
- 5236-69**
EFFECTS OF RERODUCTIVE-DIAPAUSE BOLL WEEVIL (*HELIOTHIS ZEA BODDIE*) INSECTICIDAL CONTROL PROGRAMS ON THE ABUNDANCE OF BOLLWORMS AND TOBACCO BUDWORMS (*HELIOTHIS VIRESCENS* F.) IN COTTON IN THE ROLLING PLAINS OF TEXAS, 1967.
D G Bottrell D M Arnold L K Almand
Tex Agr Exp Sta Progr Rep (2621):10P REF
Dec 1968 100 T31P (2)
Azinphosmethyl, Chemical control (insects), Chlorinated hydrocarbons, Cotton, *Heliothis virescens*, *Heliothis zea*, Insecticides, Malathion, Reproduction.
- 5237-69**
THE STUDY OF THE AERIAL MIGRATION OF INSECTS AS APPLIED TO PHYTO-SANITARY CONTROL. (FR)
L Bouyx
Phytoma 19(190, JUL-AUG):22-23
1967 464.8 P563
Insect migration, Insect populations, Insect traps, *Spodoptera exigua*. Experiments in various parts of the world are described.
- 5238-69**
JUVENILE HORMONE: ACTIVITY OF NATURAL AND SYNTHETIC SYNERGISTS.
W S Bowers
Science 161(3844):895-897 REF
30 Aug 1968 470 SC12
Chemical control (insects), Insect biochemistry, Insect hormones, Insecticides, Juvenile hormone, Synergists.
- 5239-69**
FRIEDRICH KLUGS MATERIAL OF SCOLIIDAE WITH ESPECIAL REFERENCE TO HIS TYPE-SPECIMENS.
J C Bradley J G Betrem
Deut Entomol Z 15(4-5):321-334
01 Oct 1968 421 D48
Catalogs, Hymenoptera, Insect taxonomy, Scoliididae.
- 5240-69**
INSECTICIDAL OPERATIONS AGAINST CHIRONOMID MIDGES ALONG THE BLUE NILE.
A W A Brown D J McKinley H W Bedford M Qutubuddin
Bull Entomol Res 51(4):789-801
Jan 1960 421 B87
Chlorinated hydrocarbons, Dichloro-2,2-bis(p-chlorophenyl) ethylene, 1,1-, DDT, Insecticide application, *Tanytarsus lewisii*.
- 5241-69**
A REDESCRIPTION OF *PTERONYSSOIDES TYRRELLI* (CANESTRINI, 1899). A FEATHER MITE FROM THE TREE SWALLOW (*ACARIFORMES*).
W A Bruce D E Johnston
Acarologia 11(1):104-120 REF
434.8 AC1
Acarina, Birds, Feathers, Insect taxonomy, Zoogeography.
- 5242-69**
RESULTS OF CONSECUTIVE MATINGS OF FEMALE *ANOPHELES GAMBIAE* SPECIES B WITH FERTILE AND STERILE MALES.
J H Bryan
Nature 218(5140):489
04 May 1968 472 N21
Anopheles gambiae, Biological control (insects), Insect eggs, Insect pests, Medical entomology, Reproduction, Sterility.

ENTOMOLOGY

5243-69

MECHANISM OF RHYTHMIC SYNCHRONOUS FLASHING OF FIREFLIES.

J Buck E Buck
Science 159(3821):1319-1327 REF
22 Mar 1968 470 SCI2

Central nervous system, Insect physiology, Lampyridae.

5244-69

CONTRIBUTION TO THE STUDIES OF THE ACTIVITY SPECTRA OF THE STRAINS OF BACILLUS THURINGIENSIS BERLINER.

A Burgerjon G Biache
294-296
1967 SB932.15

Bacillus thuringiensis, Bacterial diseases (insects), Biological assay, Culture media, Lepidoptera. 24 species of Lepidoptera were tested with different strains of Bacillus thuringiensis.

5245-69

THE STANDARDIZATION OF PRODUCTS BASED ON BACILLUS THURINGIENSIS.

H D Burges
306-314 REF
1967 SB932.15

Bacillus thuringiensis, Bacteria, Biological assay, Biological control (insects), Insect pests, Methodology.

5246-69

A LOW VOLUME SPRAY SYSTEM FOR TWIN-ENGINE AIRCRAFT USED IN MOSQUITO CONTROL.

W E Burgoyne N B Akesson
Calif Vector Views 16(2):17-18
Feb 1969 449.8 C12

Aerial spraying, Chemical control (insects), Culecidae, Insecticide application, Naled.

5247-69

EFFECTS OF TEMPERATURE ON DROSOPHILA--V. WEIGHT AND WATER, PROTEIN AND RNA CONTENT.

M J Burr A S Hunter
Compar Biochem Physiol 29(2):647-652 REF
May 1969 444.8 C73

Development, Drosophila, Insect biochemistry, Proteins, Ribonucleic acid, Temperature, Water.

5248-69

STUDIES ON THE SEX RATIO OF THE GYPSY MOTH.

R W Campbell
Forest Sci 13(1):19-22
Mar 1967 99.8 F7632

Aging, Metamorphosis, Porthetria dispar, Sex.

The sex ratio of the gypsy moth at the time of hatching was found to be 50:50; however, by the time of the fourth instar the ratio was 66:34, with more females. Results of this study provide a basis for evaluating the determinants of numerical change among the female components of gypsy moth populations.

5249-69

AN ACARID (ERYTHRAEIDAE) PARASITE OF JASSIDS (HOMOPTERA, AUCHENORRHYNCHA). (FR)

P Carle
Rev Zool Agr Appl 66(1-3, 1ST TRIMESTER):1L-19
1967 410.9 SO12

Acaridae, Cicadellidae, Homoptera, Insect biology, Natural control (insects), Parasitic insects.

5250-69

INSECT HORMONES: OLIVE OIL IS NOT AN INERT VEHICLE FOR HORMONE INJECTION INTO LOCUSTS.

D B Carlisle P E Ellis
Science 162(3860):1393-1394 REF
20 Dec 1968 470 SCI2

Biological assay, Insect biochemistry, Insect biology, Insect hormones, Olive oil, Schistocerca gregaria.

BIBLIOGRAPHY

5251-69

BRACKEN AND LOCUST ECDYSONES: THEIR EFFECT ON MOLTING IN THE DESERT LOCUST.

D B Carlisle P E Ellis
Science 159(3822):1472-1474 REF
29 Mar 1968 470 SCI2

Acrididae, Ecdysone, Hormones, Insect physiology, Metamorphosis, Molting (insects), Pteridium, Schistocerca gregaria.

5252-69

ELECTRORETINOGRAM OF THE SCORPION ANDROCTONUS AUSTRALIS IN RESPONSE TO PERIODICAL ILLUMINATION. (FR)

P Carricaburu M Cherrak
Acad Sci Compt Rend Ser D Sci Nat 266(12, 1ST SEMESTER):1299-1301
18 Mar 1968 505 P21

Electrophysiology, Electroretinograms, Insect behavior, Photoperiodism, Scorpionida.

5253-69

CONTROL OF GRASSHOPPERS (PHAULACRIDIDUM VITTATUM) BY ULTRA-LOW VOLUME AERIAL APPLICATION OF TECHNICAL MALDISON.

M Casimir
Australian J Exp Agr Anim Husband 8(34):631-636
Oct 1968 23 AU792

Aerial spraying, Chemical control (insects), Malathion, Phaulacridium vittatum, Ultra low volume application.

5254-69

THE GOLGI BODY ORIGIN AND THE DEVELOPMENT OF THE VACUOLARY BODIES IMPLIED IN THE DEGENERATION OF THE MOLT GLANDS OF LOCUSTA MIGRATORIA MIGRATORIOIDES (R. AND F.). (FR)

P Cassier M A Fain-Maurel
Acad Sci Compt Rend Ser D Sci Nat 266(12, 1ST SEMESTER):1290-1292
18 Mar 1968 505 P21

Glands (insects), Insect cytology, Insect physiology, Locusta migratoria migratorioides.

5255-69

THE EFFECTS OF IMPLANTATIONS OF CORPORA ALLATA ON REPRODUCTION OF COLLECTED FEMALES OF SCHISTOCERCA GREGARIA (FORSK.) AND ON THE POLYMORPHISM OF THEIR PROGENY. (FR)

P Cassier M Papillon
Acad Sci Compt Rend Ser D Sci Nat 266(10, 1ST SEMESTER):1048-1051
04 Mar 1968 505 P21

Corpora allata, Polymorphism, Reproduction, Schistocerca gregaria, Tissue transplants.

5256-69

ON THE PRESENCE OF MICROTUBULES IN THE ERGASTOPLASM AND THE PERINUCLEAR SPACE OF THE OENOCYTOIDS OF THE MIGRATORY LOCUST, LOCUSTA MIGRATORIA MIGRATORIOIDES (R. AND F.). (FR)

P Cassier M A Fain-Maurel
Acad Sci Compt Rend Ser D Sci Nat 266(7, 1ST SEMESTER):686-689 REF
12 Feb 1968 505 P21

Electron microscopy, Histochemistry, Insect cytology, Locusta migratoria migratorioides.

5257-69

INSECT VENOMS, ATTRACTANTS, AND REPELLENTS. XI. MASSOILACTONE FROM TWO SPECIES OF FORMICIDAE ANTS, AND SOME OBSERVATIONS ON CONSTITUENTS OF THE BARK OIL OF CRYPTOCARYA MASOIA.

G W K Cavill D V Clark F B Whitfield
Australian J Chem 21(2):2819-2823
Nov 1968 475 AU73

Attractants, Camponotus, Chromatography, Extracts, Formicidae, Glands (insects), Insect repellents, Odors, Social insects, Venoms.

5258-69

SPRAYING IN MUSTARD IS A MUST.

B S Chahal H S Sukhija
Com Hort Floristry 5(3):14
Jan 1969 S19.P7

Aphididae, Brassica, Chemical control (insects), Insect pests, Insecticide application, Insecticides, Malathion, Menazon, Phosphamidon, Spraying.

5259-69

INCORPORATION OF TRITIATED THYMIDINE INTO THE OVARIAN DNA OF STABLE FLIES: EFFECTS OF TREATMENT WITH APHOLATE.

W F Chamberlain C C Barrett
Nature 218(5140):471-472
04 May 1968 472 N21

Apholate, Biological control (insects), Chemical control (insects), Chemosterilants, Deoxyribonucleic acid, Insect eggs, Insect genetics, Insect mutation, Stomoxys calcitrans, Thymidine.

5260-69

OVIPOSITION RESPONSES BY APHIDOPHAGOUS SYRPHIPAE (DIPTERA).

A E F Chandler
Nature 213(5077):736
18 Feb 1967 472 N21

Aphididae, Biological control (insects), Insect behavior, Insect eggs, Predaceous insects, Syrphidae.

5261-69

MECHANICAL TRANSMISSION OF TRYPANOSOMA LEWISI (KINETOPLASTIDA: TRYPANOSOMIDAE) BY RHODNIUS PROLIXUS (HEMIPTERA: REDUVIIDAE).

B N Chaniotis
J Med Entomol 5(4):509-511
30 Oct 1968 421 J828

Disease transmission, Insect physiology, Insect vectors, Medical entomology, Reduviidae, Rhodnius prolixus, Trypanosoma lewisi, Trypanosomidae.

5262-69

RESEARCH ON THE REACTIONS OF IPS SEXDENTATUS BOERNER TO TERPENIC FUMES OF SEVERAL CONIFERS. (FR)

C Chararas
Paris Acad Agr France Compt Rend Hebd Seances 53(3):226-231
1967 14 P215BC

Coniferae, Insect physiology, Ips sexdentatus, Terpenes.

5263-69

MODIFICATIONS OF THE BODIAN TECHNIQUE APPLIED TO INSECT NERVES.

J S Chen M G M Chen
Stain Technol 44(1):50-51
Jan 1969 442.8 ST1

Grasshoppers, Insect histology, Methodology, Nerves, Periplaneta americana, Staining.

5264-69

EVALUATION OF SOME PARAMETERS OF THE INDIVIDUAL ENERGY BUDGET OF THE LARVAE OF PTEROMALUS PUPARUM (L.) (PTEROMALIDAE) AND PIMPLA INSTIGATOR (FABR.) (ICHNEUMONIDAE).

J Chlodny
Ekol Pol Ser A (SER A) 16(24):505-513
1968 512 W263

Energy, Ichneumonidae, Insect biology, Insect physiology, Larvae, Parameters, Parasitism, Pieris brassicae, Pteromalidae. Polish summary.

5265-69

PHYSIOLOGICAL MODIFICATIONS CAUSED BY THE PHOTOPERIOD DURING THE TIME PRECEDING DIAPAUSE IN THE PIERIS BRASSICAE L. LARVAE. (FR)

J Claret
Acad Sci Compt Rend Ser D Sci Nat 266(11, 1ST SEMESTER):1156-1159
11 Mar 1968 505 P21

Insect physiology, Photoperiodism, Pieris brassicae.

- 5266-69**
THE PHYSIOLOGY OF MOSQUITOES.
 A N Clements
Int Ser Monogr Pure Appl Biol 17:393P REF
 1963 428 C59
 Circulatory system, Culicidac, Diapause, Feeding, Insect behavior, Insect eggs, Insect flight, Insect metabolism, Insect nutrition, Insect physiology, Insect reproduction, Larvae, Metamorphosis, Sense organs.
- 5267-69**
EVOLUTIONARY TRENDS IN HETEROPTERA. PART I EGGS. ARCHITECTURE OF THE SHELL, GROSS EMBRYOLOGY AND ECLOSION.
 R H Cobben
Wageningen Cent Landouwpubl Landbou Verslag Landbouwkund Ore (707):475P REF
 1968 105.2 V61V
 Entomology, Heteroptera, Insect biology, Insect eggs, Insect evolution, Insect morphology. Dutch summary.
- 5268-69**
EFFECT OF FOOD AVAILABILITY ON RATES OF LOSS OF 45CALCIUM FROM HYPHANTRIA CUNEA (LEPIDOPTERA: ARCTIIDAE).
 D C Coleman C D Monk J T Callahan
Can Entomol 101(3):328-332
 Mar 1969 421 C16
 Calcium, Hyphantria cunea, Insect nutrition, Isotopes, Parasitism.
- 5269-69**
SELECTION FOR DIVERGENT EMIGRATION RATES IN LABORATORY POPULATIONS OF MUSCA DOMESTICA.
 B Collier
Res Population Ecol 10(1):99-104 REF
 Jun 1968 420 K99
 Insect ecology, Insect migration, Insect rearing, Musca domestica, Population. Japanese summary.
- 5270-69**
LIFE HISTORY NOTES ON LITHOPHANE SUBTILIS (NOCTUIDAE).
 J A Comstock C Henne
Lepidopterists Soc J 23(1):15-18
 1969 421 L554
 Metamorphosis, Noctuidac, Zoogeography.
- 5271-69**
D-AMINO ACIDS IN ANIMALS.
 J J Corrigan
Science 164(3876):142-149 REF
 11 Apr 1969 470 SCI2
 Amino acids, Animal physiology, Biochemistry, Deoxyribonucleic acid, Enzymes, Insect physiology, Metabolism, Ribonucleic acid, Serine.
- 5272-69**
STERILIZATION OF FEMALE MOSQUITOES WITH A HORMONE DERIVED FROM MALE MOSQUITOES, PATENT 3,450,816.
 G B Craig M Fuchs
Us Patent Office Offic Gaz 863(3):902
 17 Jun 1969 156.65 OF2
 Chemical control (insects), Chemosterilants, Culicidac, Insect hormones, Patents.
- 5273-69**
SEX-DETERMINATION.
 F A E Crew
Methuen And Co. Ltd., London, England 188P REF
 1965 QP251.C7
 Bacteria, Evolution, Genetics, Humans, Insects, Parthenogenesis, Plants, Sex determination.
- 5274-69**
RATES OF COMPETITIVE EXCLUSION BY THE ARGENTINE ANT IN BERMUDA.
 K L Crowell
Ecology 49(3):551-555 MAP REF SPRING
 1968 410 EC7
 Competition, Ecology, Iridomyrmex humilis, Phcidole megaccephala, Population.
- 5275-69**
CHEMOSTERILIZATION OF SCREW-WORM FLIES, COCHLIOMYIA HOMINIVORAX (COQUEREL) (DIPTERA: CALLIPHORIDAE): INFLUENCE OF AGE AT TREATMENT AND MATING, EFFECT ON SURVIVAL, AND TRANSFER OF CHEMOSTERILANT BY CONTAMINATION.
 M M Crystal
J Med Entomol 5(4):439-445 REF
 30 Oct 1968 421 J828
 Biological control (insects), Bis(1-aziridinyl)phosphinyl-3-(3,4-dichlorophenyl)urea, 1-(, Calliphoridae, Chemical control (insects), Chemosterilants, Cochliomyia hominivorax, Insect physiology, Medical entomology, Tetramethylene bis(1-aziridinecarboxamide), N,N'-.
- 5276-69**
CHEMOSTERILANT-INDUCED INCREASE IN MATING ABILITY OF MALE SCREW-WORM FLIES (DIPTERA: CALLIPHORIDAE).
 M M Crystal
J Med Entomol 6(1):90-91
 30 Jan 1969 421 J828
 Calliphoridae, Chemosterilants, Cochliomyia hominivorax, Insect behavior, Medical entomology.
- 5277-69**
THE DEVELOPMENT OF FAT BODIES IN THE LARVAE OF CALLIPHORA ERYTHROCEPHALA MEIG., (GE)
 D Dahlhelm
Biol Zentralbl 86(3, MAY-JUN):273-301 REF
 Jun 1967 442.8 B523
 Calliphora vicina, Fat body, Insect morphology, Insect physiology, Larvae, Metamorphosis. English abstract.
- 5278-69**
THE DISTRIBUTION AND HOST-RANGE OF THE SHOT-HOLE BORER (XYLEBORUS FORNICATUS EICHH.) OF TEA.
 W Danthanarayana
Ceylon Tea Res Inst Tea Quart 39(3):61-69 REF
 Sep 1968 68.18 C33
 Host plants, Oriental region, Tea, Xyleborus, Zoogeography.
- 5279-69**
ON THE FUNCTIONAL MORPHOLOGY OF WATER STRIDERS. I. THE MORPHOLOGY OF THE LOCOMOTIVE APPARATUS OF GERRIS LACUSTRIS L. (HETEROPTERA: GERRIDAE). (GE)
 B Darnhofer-Demar
Zool Jahrbucher Abt Allg Zool Physiol Tiere 86(1):28-66 REF
 1969 410 Z751Z
 Gerridae, Insect behavior, Insect morphology, Locomotion, Muscles.
- 5280-69**
SEROLOGICAL IDENTIFICATION. (FR)
 H De Barjac
 71-81 REF
 1967 SB932.15
 Bacteria, Diagnosis, Immunochemistry, Insect diseases, Methodology, Serological tests, Viruses. English summary.
- 5281-69**
TWO MAJOR EFFECTS OF THE CORPUS ALLATUM IN THE ADULT COLORADO BEETLE (LEPTINOTARSA DECEMLINEATA SAY).
 J De Wilde D Stegwee
Arch Neer Zool 23(1):277-289 REF
 1958 410 AR27
 Corpora allata, Diapause, Endocrine glands, Insect biology, Insect physiology, Leptinotarsa decemlineata, Photoperiodism.
- 5282-69**
STUDIES OF HOUSE FLIES. I. BREEDING OF MUSCA SORBENS, WIED..
 P J Dedras K Karnikar
Cur Sci 36(18):491-493
 20 Sep 1967 475 SCI23
 Culture media, Insect morphology, Insect rearing, Life cycle, Musca, Tissue transplants.
- 5283-69**
A NOTE ON THE FEEDING MECHANISM OF TWO FLEAS.
 P J Dedras R S Prasad
Cur Sci 36(19):518-519
 05 Oct 1967 475 SCI23
 Feeding, Insect physiology, Methodology, Mice, Mouth parts, Xenopsylla, Xenopsylla cheopis.
- 5284-69**
PESTICIDE SAFETY IN YOUR HOME.
USDA PA- (895):7P
 Dec 1968 1 AG84PRO
 Accident prevention, Household pests, Pesticides.
- 5285-69**
BIOLOGICAL OBSERVATIONS ON THE DESERT LOCUST (SCHISTOCERCA MIGRATORIA MIGRATORIOIDES) IN CHAD. (FR)
 M Descamps
Agron Trop 22(6-7, JUN-JUL):641-662 MAP REF
 Jul 1967 26 AG86
 Insect ecology, Insect migration, Locusta migratoria migratorioides, Schistocerca gregaria. English and Spanish abstracts
- 5286-69**
ON THE METABOLISM OF PTERINE AND ITS HYDROGEN DERIVATIVES IN COLIAS CROCEUS (FOURCROY) (LEPIDOPTERA PIERIDAE). (FR)
 H Descimon
Acad Sci Compt Rend Ser D Sci Nat 268(2, 1ST SEMESTER):416-417 REF
 13 Jan 1969 505 P21
 Colias croceus, Insect biochemistry, Insect metabolism, Pieridae.
- 5287-69**
CHANGES IN NEUROSECRETORY ACTIVITY AT DIFFERENT STAGES IN THE ADULT HYALOMMA DROMEDARII KOCH, 1844.
 V Dhanda
Nature 214(5087):508-509
 29 Apr 1967 472 N21
 Cytology, Hyalomma dromedarii, Insect physiology, Ixodidae, Molting (insects).
- 5288-69**
THE LOCALIZATION OF SPERMIDINE IN SALIVARY GLAND CELLS OF DROSOPHILA MELANOGASTER AND ITS EFFECT ON H-3-URIDINE INCORPORATION.
 A S Dion E Herbst
Nat Acad Sci Proc 58(6):2367-2371 REF
 Dec 1967 500 N21P
 Amines, Aminopropyl-1,4-butanediamine, N-(3-, Autoradiography, Biochemistry, Drosophila melanogaster, Radioactive tracers, Salivary glands (insects), Tritium, Uridine.
- 5289-69**
PATHOGENS OF THE GYPSY MOTH.
 C C Doane
 200-203 REF
 1967 SB932.15
 Insect diseases, Polyhedroses, Porthetria dispar, Streptococcus faecalis, Viruses.
- 5290-69**
BIOLOGICALLY ACTIVE COMPOUNDS IN ORCHID FRAGRANCES.
 C H Dodson R L Dressler H G Hills R M Adams N H Williams
Science 164(3885):1243-1249 REF
 13 Jun 1969 470 SCI2
 Attractants, Euglossini, Insect behavior, Insect biology, Odors, Orchidaceae.
- 5291-69**
RATES OF EVOLUTION IN THE DERMATERA.
 E J Dopham
Entomologist (london) 102(1271):75-79
 Apr 1969 421 EN8

Dermaptera, Insect evolution, Reproductive organs.

5292-69

INTEGRATED CONTROL OF FRUIT TREE PESTS. ORCHARD MITES. ORCHARD INSECTS.

R S Downing H F Madsen
Canada Agr 14(1,WINTER):
1969 7 R31

Carpocapsa pomonella, Fruit, Insect pests, Integrated control (pests), Mites, *Panonychus ulmi*, *Tetranychus medanicli*.

5293-69

GROWTH, SPORULATION AND GERMINATION OF SPORES OF BACILLUS THURINGIENSIS VAR. THURINGIENSIS BERLINER.

A Drozdowicz
Ekol Pol Ser A (SER A)16(34):689-698 REF
1968 512 W263

Bacillus thuringiensis, Biological control (insects), Culture media, Insecticides, Spore germination, Sporulation. Polish summary.

5294-69

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

M E Eldefrawi I Hanbal S M Hammad
Fao Plant Protect Bull 15:70-76 REF
Aug 1967 421 P692

Carbaryl, Chemical control (insects), DDT, Malathion, Metamorphosis, Pears, Plant pest control, *Zezera pyrina*.

5295-69

NICOTINAMIDE-ADENINE DINUCLEOTIDE-LINKED FORM OF LACTIC DEHYDROGENASE OF THE SYMBIONTS AND FAT BODIES OF A COCKROACH.

S Epstein L L Pierre
Nature 214(5087):488-489 REF
29 Apr 1967 472 N21

Biological assay, Blattidac, Coenzymes, Culture media, Fat body, Insect histology, Insect metabolism, Lactate dehydrogenase, Nicotinamide adenine dinucleotide.

5296-69

PIPERONYLIC ACID CONJUGATES WITH ALANINE, GLUTAMATE, GLUTAMINE, GLYCINE, AND SERINE IN LIVING HOUSEFLIES.

E G Esaac J E Casida
J Insect Physiol 14(7):913-925 REF
Jul 1968 421 J825

Allyl-1,2-(methyleneoxy)benzene, 4-, Amino acids, Biochemistry, Biosynthesis, Insect metabolism, *Musca domestica*, Piperonal, Piperonyl alcohol.

5297-69

THE CONTROL OF THE HOUSE FLY IN THE CITY OF TUNIS. (FR)

M Essafi J L Romain
Inst Pasteur Tunis Arch 45(1):85-109 REF
Mar 1968 448.3 IN72

Chemical control (insects), Insect migration, Larvicides, *Musca domestica*, Public health, Regulations. Aside from *Musca domestica* the article also applies to *Calliphora* and similar insects.

5298-69

PHORETIC COPULATION IN HYMENOPTERA.

H E Evans
Entomol News (philadelphia) 80(5):113-124
May 1969 421 EN88

Hymenoptera, Insect adaptation, Insect behavior, Insect evolution, Insect morphology, Sex behavior.

5299-69

ENTOMOPHTHOUS FUNGI AS A NATURAL FACTOR IN DECREASING PEA APHID POPULATIONS.

A A Evlakhova E G Voronina
280-281

1967 SB932.15

Acyrtosiphon pisum, Biological control (insects), Climate, Entomophthoraceous fungi, Insect pests, Insect population control.

5300-69

OBSERVATIONS ON THE BIOLOGY AND BEHAVIOR OF CICINDELA HYBRIDA L. AND CICINDELA CAMPESTRIS L. AND EXPERIMENTAL ANALYSIS OF THEIR BEHAVIOR. (GE)

H Faasch
Zool Jahrbucher Abt Allg Zool Physiol Tiere
95(4):477-522 REF
196, 410 Z751Z

Cicindelidae, Insect behavior, Insect biology.

5301-69

SIMPLE, SAFE, EFFECTIVE FLY CONTROL FOR DAIRY FARMS.

J Falter M Senger
N C Univ Ext Ext Folder (241):5P
Mar 1969 275.29 N811EX

Chemical control (insects), Dairy farms, Insecticide application, Insecticides, *Musca domestica*, *Stomoxys calcitrans*.

5302-69

ON A NEW SPECIES OF MIRZAIELLA BASIR, 1942 FROM GRYLLOTALPA AFRICANA.

M N Farooqui
Riv Parassitol 29(1):21-24
Mar 1968 436.8 R52

Gryllidae, *Gryllotalpa africana*, Nematodes, Parasitism, Taxonomy. Italian summary.

5303-69

JUVENILE STERILITY IN MALE TICKS OF ORINTHODOROS THOLOZANI.

B Feldman-Muhsam Y Havivi
Nature 213(5074):422-423
28 Jan 1967 472 N21

Insect physiology, Ixodides, Spermatophores, Sterility.

5304-69

THE POSSIBILITIES OF THE MICROBIOLOGICAL CONTROL OF MELOLONTHA MELOLONTHA L. BY MEANS OF THE MYCOSIS CAUSED BY BEAUVERIA TENELLA (DELACR.) SIEMASZKO. (FR)

P Ferron
204-209 REF
1967 SB932.15

Beauveria tenella, Biological control (insects), Fungus diseases (insects), *Melolontha melolontha*. English summary.

5305-69

A SYNTHETIC ATTRACTANT FOR THE MALE SPRUCE BUDWORM MOTH CHORISTONEURA FUMIFERANA (CLEM.).

J A Findlay D R Macdonald C S Tang
Experientia 23(5):377-378
15 May 1967 475 EX7

Choristoneura fumiferana, Insect behavior, Sex attractants.

5306-69

ON THE REPRODUCTIVE BIOLOGY OF CHIRONOMUS NUDITARSIS STR., (GE)

J Fischer
Rev Suisse Zool 76(1):23-55 REF
Mar 1969 410 R324

Chironomus nuditarsis, Insect behavior, Insect biology, Insect genetics, Insect rearing. English and French abstracts.

5307-69

THE IN VITRO PATHOGENESIS OF INSECT VIROSES. (FR)

O Flandre
6-21 REF
1967 SB932.15

In vitro, Insect diseases, Methodology, Microorganisms, Tissue culture, Virology.

5308-69

THE DIVERSITY OF CELL TYPES IN THE NEUROSECRETORY SYSTEM OF THE BEE-TELEBLAPS MUCRONATA.

B S Fletcher
J Insect Physiol 15(1):119-134 REF
Jan 1969 421 J825

Brain, Cells, Coleoptera, Insect histology, Insect physiology, Neurosecretion.

5309-69

RELATION OF EYE COLOR TO MOLTING IN PERIPLANETA AMERICANA L.

R Flint R L Patton
Brooklyn Entomol Soc Bull 54(5):140
Dec 1959 420 B79

Eyes, Insect physiology, Molting (insects), *Periplaneta americana*.

5310-69

ACTION SPECTRA FOR PHASE SHIFTS OF A CIRCADIAN RHYTHM IN DROSOPHILA.

K D Frank W F Zimmerman
Science 163(3868):688-689 REF
14 Feb 1969 470 SCI2

Drosophila pseudoobscura, Emergence, Insect physiology, Insect populations, Insect rearing.

5311-69

CENTRAL CONTROL OF AN INSECT SEGMENTAL REFLEX. II. ANALYSIS OF THE INHIBITORY INPUT FROM THE METATHORACIC GANGLION.

C H Fraser Rowell
J Exp Biol 50(1):191-201 REF
Feb 1969 442.8 B77

Central nervous system, Insect physiology, Reflexes, *Schistocerca gregaria*.

5312-69

AUSTRALIA'S HONEY POT ANTS.

H Frauca
Entomologist (london) 102(1270):70-72
Mar 1969 421 EN8

Formicidae, Insect behavior, Insect ecology, Insect nests.

5313-69

PROCEDURES AND MATERIALS PERFECTED FOR THE REARING AND COLLECTION OF HOMOPTERANS (APHIDIDAE AND JASSIDAE) DURING VIRUS TRANSMISSION STUDIES. (FR)

A Fraval
Rev Zool Agr Appl 67(7-9, 3RD TRIMESTER):87-94 REF
1968 410.9 SO12

Aphididae, Cicadellidae, Insect collecting equipment, Insect rearing, Methodology.

5314-69

THE POLLINATION OF RUNNER BEANS (PHASEOLUS MULTIFLORUS) IN A GLASSHOUSE.

J B Free P A Racey
J Apicult Res 7(2):67-69
1968 424.8 J82

Apis mellifera, *Bombus*, Greenhouses, Insect behavior, Scarlet runner beans.

5315-69

TOBACCO INSECT CONTROL.

J C French
Ga Univ Coll Agr Ext Serv Circ (413):3P
Oct 1968 275.29 G29C

Baits, Chemical control (insects), Insect pests, Insecticides, Tobacco. Many insecticides were mentioned.

5316-69

NONSPECIFIC ESTERASES IN MOSQUITOS.

T A Freyvogel R L Hunter E M Smith
J Histochem Cytochem 16(12):765-790 REF
Dec 1968 381 J8222

Anopheles stephensi, Culicidae, Electrophoresis, Esterases, Insect biochemistry.

- 5317-69**
TREHALOSE REGULATION OF GLUCOSE-6-PHOSPHATE HYDROLYSIS IN BLOWFLY EXTRACTS.
 S Friedman
Science 159(3810):110-111
 05 Jan 1969 470 SC12
 Calliphoridae, Enzymes, Fat body, Glucose-6-phosphatase, Hydrolysis, Insect biochemistry, Insect histology, *Phormia regina*, Trehalose.
- 5318-69**
STUDIES ON INTERSPECIES COMPETITION BETWEEN THE AZUKI BEAN WEEVIL AND THE SOUTHERN COWPEA WEEVIL. III. SOME CHARACTERISTICS OF STRAINS OF TWO SPECIES.
 K Fujii
Res Population Ecol 10(1):87-98 REF
 Jun 1968 420 K99
 Adzuki beans, Bruchidae, *Callosobruchus chinensis*, *Callosobruchus maculatus*, Insect ecology, Insect rearing, Reproduction, Zoogeography. Japanese summary
- 5319-69**
A SIMPLE METHOD FOR COUNTING LEAF-HOPPER EGGS INSERTED IN PLANT ISSUE.
 W M Gaddoura T V Venkatraman
Curr Sci 36(22):619
 20 Nov 1967 475 SC123
 Empoasca, Insect eggs, Methodology, Surveys.
- 5320-69**
EFFECT OF CULTIVATION ON EMERGENCE OF EYE GNATS (HIPPELATES SPP.) IN SOUTH CAROLINA.
 D M Gaydon T R Adkins
J Econ Entomol 62(2):312-314
 15 Apr 1969 421 J822
 Emergence, Hippelates, Insect collecting equipment, Tillage.
- 5321-69**
THE IMAGINAL CELLS OF THE CLYPEOLABRUM AND THE DEVELOPMENT OF THE PROBOSCIS OF DROSOPHILA MELANOGASTER. (GE)
 W Gehring S Scippel
Rev Suisse Zool 74(3):589-596
 Dec 1967 410 R324
 Cells, *Drosophila melanogaster*, Insect cytology, Insect morphology, Insect physiology, Mouth parts. English and French abstracts
- 5322-69**
LONG-TERM REGULATION OF SUGAR INTAKE BY THE BLOWFLY.
 A Gelperin V G Dethier
Physiol Zool 40(3):218-228 REF
 Jul 1967 410 P56
 Food habits, Fructose, Insect biochemistry, Insect nutrition, *Phormia regina*, Sucrose.
- 5323-69**
FINAL REPORT, STUDIES ON SCALE INSECTS, FRUIT FLIES AND MITES, AND THEIR NATURAL ENEMIES IN WEST PAKISTAN; JUNE 1961-JUNE 1966. PART I. SCALE INSECTS.
 M A Ghani
Commonwealth Inst Biol Contr Rep Pakistan 1 1961/1966(PT 1):51P REF
 Jun 1966 SB975.G42
 Biological control (insects), Coccoidea, Insect biology, Insect identification, Parasitism, Predaceous insects, Reports, Zoogeography.
- 5324-69**
FINAL REPORT, STUDIES ON SCALE INSECTS, FRUIT FLIES AND MITES, AND THEIR NATURAL ENEMIES IN WEST PAKISTAN. JUNE 1961 - JUNE 1969. PART II. FRUIT FLIES.
 M A Ghani
Commonwealth Inst Biol Contr Rep Pakistan 2 1961/1966(PT 2):87P MAP REF
 Jun 1966 SB975.G42
- Biological control (insects), Hibernation, Insect biology, Insect identification, Parasitism, Predaceous insects, Reports, Tephritidae, Zoogeography.
- 5325-69**
FINAL REPORT. STUDIES ON SCALE INSECTS, FRUIT FLIES AND MITES, AND THEIR NATURAL ENEMIES IN WEST PAKISTAN, JUNE 1961 - JUNE 1966. PART III. MITES.
 M A Ghani
Commonwealth Inst Biol Contr 3 1961/1966(PT 3):57P REF
 Jun 1966 SB975.G42
 Biological control (insects), Host indexing (plants), Insect pests, Mites, Predaceous insects, Reports.
- 5326-69**
THE MALE GENITALIA OF SEPULLIA MURRAYI (FAIRMAIRE SIGNORET) (HOMOPTERA: CERCOPOIDEA).
 M S K Ghauri
Ann Mag Natur Hist 1(2, APR-JUN):169-171
 Jun 1967 410 AN77
 Cercopidae, Insect morphology, Reproductive organs.
- 5327-69**
OBSERVATIONS IN KENYA ON THE FLIGHT ACTIVITY OF STORED PRODUCTS INSECTS, PARTICULARLY SITOPHILUS ZEAMAI MOTSCH.
 P H Gilcs
J Stored Prod Res 4(4):317-329 REF
 Feb 1969 421 J829
 Climate, Flight activity, Insect behavior, *Sitophilus zeamais*. Twelve species of stored-products insects are discussed.
- 5328-69**
AIRBORNE FACTOR AFFECTING THE GROUPING BEHAVIOUR OF LOCUSTS.
 S Gillett
Nature 218(5143):782-783
 25 May 1969 472 N21
 Insect behavior, Insect cultures, Insect rearing, Pheromones, *Schistocerca gregaria*.
- 5329-69**
FEATURES OF MICROCLIMATIC REGIMEN OF HABITATS OF SANDFLIES IN A VILLAGE OF KARSHINSKY OASIS. (RUS)
 F V Gitsu
Med Parazitol Parazitarn Bolezni 37(5, SEP/OCT):574-582 REF
 1968 448.8 M469
 Climate, Habitats, Human diseases, Insect diseases, Leishmaniasis, Medical entomology, Parasitic insects, Phlebotomus. English summary.
- 5330-69**
PYRIDINE COMPOSITION AND METHOD FOR ATTRACTING INSECTS. PATENT 3,325,355.
 L D Goodhue
Us Patent Office Offic Gaz 839(2):693
 13 Jun 1967 156.65 OF2
 Attractants, Chemical control (insects), Insecticides, Patents, Pyridine compounds.
- 5331-69**
NOTES ON LARVAL HOST ACCEPTANCE IN A CALIFORNIA POPULATION OF PLEBEJUS ACMON (LYCAENIDAE).
 G A Gorcliek
Lepidopterists Soc J 23(1):31-32
 1969 421 L554
 Insect nutrition, Larvae, Lycaenidae, Plants.
- 5332-69**
SYNECOLOGICAL STUDIES OF SOIL MACROENTOMOFAUNA IN TWO DIFFERENT AGRICULTURAL BIOTOPES.
 M Gorny
Ekol Pol Ser A (SER A)16(20):412-443 REF
 1968 512 W263
 Environment, Feeding habits (insects), Insect ecology, Land, Soil fauna, Soil insects, Windbreaks. Polish summary.
- 5333-69**
FAUNAL AND ZOOCENOLOGICAL ANALYSIS OF THE SOIL INSECT COMMUNITIES IN THE ECOSYSTEM OF SHELTERBELT AND FIELD.
 M Gorny
Ekol Pol Ser A (SER A)16(14):297-324 REF
 1968 512 W263
 Insect ecology, Insect identification, Land, Soil insects, Windbreaks. Polish summary.
- 5334-69**
COMPOSITION, STRUCTURE, AND MODE OF FORMATION OF MINERAL GRANULES IN THE MIDDLE INTESTINES OF THE HOMOPTERAN CERCOPOIDEA. (FR)
 J Gouranton
J Cell Biol 37(2):316-328 REF
 May 1968 442.8 J828
 Cercopidae, Chromatography, Electron microscopy, Homoptera, Insect histology, Insect physiology, Intestines, Minerals. English abstract.
- 5335-69**
THE PRESENCE OF A DIFFERENTIATED CYTOPLASMIC ZONE AROUND THE NUCLEI IN THE CELLS OF THE MIDDLE INTESTINE OF CIXIUS NERVOSUS L. (HOMOPTERA, FULGOROIDEA). (FR)
 J Gouranton
Acad Sci Compt Rend Ser D Sci Nat 266(8, 1ST SEMESTER):818-819
 19 Feb 1968 505 P21
 Electron microscopy, Fulgoroidea, Insect cytology, Intestines.
- 5336-69**
EFFECTS ON AQUATIC INSECTS OF FOREST SPRAYING WITH PHOSPHAMIDON IN NEW BRUNSWICK.
 C D Grant
Can Fish Res Board J 24(4):823-832 MAP
 Apr 1967 442.9 C16J
 Aquatic insects, Chemical control (insects), Insecticides, Organophosphorus compounds, Phosphamidon, Water pollution.
 No harmful effects were detected on aquatic insects in streams of forested areas sprayed with phosphamidon. The resulting population dynamics are described.
- 5337-69**
A SODIUM AND POTASSIUM STIMULATED ADENOSINE TRIPHOSPHATASE IN THE COCKROACH NERVE CORD.
 A Grasso
Life Sci 6(18,PT 2):1911-1918 REF
 15 Sep 1967 442.8 L62
 Adenosine triphosphatase, Hemolymph, Insect biochemistry, Insect physiology, Microsomes, Nervous system, *Periplaneta americana*, Potassium, Sodium.
- 5338-69**
FIELD STUDIES OF AN ATTRACTANT IN THE MALE BOLL WEEVIL.
 J B Graves N W Earle J R Bradley D W Clower
La Agr 12(3, SPRING):14-15
 1969 100 L939
Anthonomus grandis, Diapause, Insect biology, Insect traps, Methodology, Sex attractants.
- 5339-69**
VPI COCKROACH RESEARCH.
 J M Grayson
Pest Contr 37(4):18-24 REF
 Apr 1969 449.8 EX8
Blatta orientalis, *Blattella germanica*, Carabamates, Chemical control (insects), Chlorinated hydrocarbons, Insecticide resistant insects, Insecticides, *Periplaneta brunnea*, Zoogeography. Many chemical insecticides are mentioned.
- 5340-69**
CONTROLLING INSECTS WITH FUROYLOXY-ALKENYL THIO PHOSPHATES. PATENT 3,433,865.
 S B Greenbaum
Us Patent Office Offic Gaz 860(3):908

5341-69

18 Mar 1969 156.65 OF2
Chemical control (insects), Furoyloxyalkenyl thio phosphates, Insecticides.

5341-69
BIBLIOGRAPHY OF NEW GUINEA ENTOMOLOGY.

J L Gressitt J H Szent-Ivany
Pacific Insects (18):676P MAP
30 Oct 1968 421 P11
Bibliography, Entomology, Zoogeography. This bibliography lists 6140 references through 1967.

5342-69
EFFECT OF CERTAIN ALKYLATING AND NON-ALKYLATING CHEMOSTERILANTS ON CULEX FATIGANS WEID.

K K Grover M K K Pillai C M S Dass
Cur Sci 36(23):625-627
05 Dec 1967 475 SC123
Apholate, Chemosterilants, Culex quinquefasciatus, Hemel, Hempa, Insect reproduction, Metepa, Tepa, Toxicology.

5343-69
BLACUS-DANCES, EXPERIENCES AND STUDIES (BRACONIDAE, HYMENOPTERA). (GE)

K Gruhl
Deut Entomol Ges Mitt 26(3):49-51 REF
15 Jul 1967 420 D482
Braconidac, Chironomidac, Hymenoptera, Insect behavior, Insect physiology, Swarming. Second and concluding article.

5344-69
BLACUS-DANCES, EXPERIENCES AND STUDIES (BRACONIDAE, HYMENOPTERA). (GE)

K Gruhl
Deut Entomol Ges Mitt 26(2):33-36
15 May 1967 420 D482
Braconidac, Chironomidac, Insect behavior, Insect identification, Swarming. The author describes the types of dances and the dancing societies of the Blacus types.

5345-69
METHOD OF KILLING PESTS BY APPLICATION OF AN O,ODILOWERALKYL PHOSPHORODITHIOYL METHYL-SUBSTITUTED MERCAPTOACETATE. PATENT 3,433,870.

A D Gutman J P Orr
Us Patent Office Offic Gaz 860(3):909
18 Mar 1969 156.65 OF2
Chemical control (pests), Diloweralkyl phosphorodithioyl methyl, O,O-, Habitats, Insects, Pesticide application, Thioglycolic acids.

5346-69
STUDIES ON CONTROL OF HOUSE FLIES IN EGYPT BY CHEMOSTERILANTS. I. LABORATORY STUDIES ON MUSCA DOMESTICA VICINA.

M Hafez M F Osman S El-Ziady A A El-Moursy M A S Erakey
J Econ Entomol 62(2):324-329 REF
15 Apr 1969 421 J822
Apholate, Biological control (insects), Chemical control (insects), Chemosterilants, Hempa, Metepa, Musca domestica vicina, Residues, Tepa.

5347-69
EFFECT OF THE AGE OF POLLEN USED IN POLLEN SUPPLEMENTS ON THEIR NUTRITIVE VALUE FOR THE HONEYBEE. II. EFFECT OF VITAMIN CONTENT OF POLLENS.

H H Hagedorn M Burger
J Apicult Res 7(2):97-101 REF
1968 424.8 J82
Apis mellifera, Feed supplements, Insect nutrition, Insect physiology, Pollen, Vitamins.

5348-69
EFFECT OF THE AGE OF POLLEN USED IN POLLEN SUPPLEMENTS ON THEIR NUTRITIVE VALUE FOR THE HONEYBEE. I. EFFECT ON THORACIC WEIGHT, DEVELOPMENT OF HYPOPHARYNGEAL GLANDS, AND BROOD REARING.

H H Hagedorn F E Moeller
J Apicult Res 7(2):89-95 REF
1968 424.8 J82
Apis mellifera, Feed supplements, Glands (insects), Insect diets, Insect nutrition, Insect physiology, Insect rearing, Pollen, Thorax.

5349-69
OBSERVATIONS ON TWO SPECIES OF CULEX OF THE SUBGENUS MELANOCONION.

J A Hair
Mosquito News 28(3):425-429
Sep 1968 421 M85
Culex, Insect behavior, Insect biology, Insect rearing, Ovulation.

5350-69
STUDIES ON OPILIOACARIDA (ARACHNIDA). II. REDESCRIPTION OF PARALARUS HEXOPHTHALMUS (REDIKORZEV).

L van der Hammen
Leiden Rijksmus Natuur Hist Zool Mededel 43(5):57-76
25 Sep 1968 410.9 L59
Acarina, Catalogs, Insect taxonomy, Opilioacaridac. English abstract

5351-69
NOTES ON THE MOSQUITOES OF THE ISLAMIC REPUBLIC OF MAURITANIA. (DIPT. CULICIDAE). (2). (FR)

J Hamon M Maffi P Grenier C S Ouedraogo D Djime
Soc Entomol France Ann 11(2):371-383 REF
1966 420 F84
Anopheles, Culicidac, Dieldrin, DDT, Insect ecology, Insect vectors, Insecticide resistant insects, Malaria.

5352-69
TRAIL LAYING IN THE SUBTERRANEAN ANT, ACANTHOMYOPS INTERJECTUS.

W Hangartner
J Insect Physiol 15(1):1-4
Jan 1969 421 J825
Acanthomyops interjectus, Insect behavior, Social insects.

5353-69
THE HEMLOCK SAWFLY IN SOUTHEAST ALASKA.

J S Hard D C Schmieg
US Forest Serv Res Pap PNW 65:1-12, MAP
1968 A99.9 F7625UNI
Fertility, Histology, Insect behavior, Insect migration, Insect morphology, Insect taxonomy, Laboratories, Neodiprion tsugae, Research.

5354-69
LIFE HISTORY OF HELIOLONCHE CAROLUS (NOCTUIDAE).

D F Hardwick
Lepidopterists Soc J 23(1):26-30
1969 421 L554
Insect behavior, Insect physiology, Metamorphosis, Noctuidac.

5355-69
DDT RESISTANCE IN ONCOPERA.

R J Hardy
Tasmanian J Agr 39(4):338-342
Nov 1968 23 T182T
Chemical control (insects), DDT, Dosage, Insect pests, Insecticide application, Larvae, Spraying.

5356-69
ELECTRON MICROSCOPIC AND BIOCHEMICAL CHARACTERIZATION OF COLLAGEN IN BLATTARIAN INSECTS.

E Harper S Scifter B Scharrer
J Cell Biol 33(2):385-393 REF
May 1967 442.8 J828
Blaberus craniifer, Collagen, Electron microscopy, Insect biochemistry, Leucophaea maderac.

5357-69
TOXICOLOGICAL STUDIES ON CUTWORMS. I. LABORATORY STUDIES ON THE TOXICITY OF INSECTICIDES TO THE DARK-SIDED CUTWORM.

C R Harris H J Svec
J Econ Entomol 61(3):788-793 REF
Jun 1968 421 J822
Biochemistry, DDT, Euxoa messoria, Experimental insects, Insecticides, Larvae, Research, Soil series, Toxicology.

5358-69
CONTROL HOME VEGETABLE GARDEN INSECTS.

E D Harris
Ga Univ Coll Agr Ext Serv Circ (594):7P
Feb 1969 275.29 G29C
Accident prevention, Chemical control (insects), Chlorinated hydrocarbons, Gardens, Insect pests, Insecticide application, Insecticides, Vegetables.

The following insecticides were mentioned: chlordane, diazinon, kelthane, lindane, malathion, tdc, toxaphene sevin and dyllox.

5359-69
MOSQUITOES FEEDING ON INSECT LARVAE.

P Harris D F Riordan D Cooke
Science 164(3876):184-185
11 Apr 1969 470 SC12
Aedes aegypti, Culex tarsalis, Insect behavior, Insect food, Insect nutrition, Larvae, Parasitism.

5360-69
ON THE BIOLOGY OF SIMULIUM DAMNOSUM THEOBALD, 1903, THE MAIN VECTOR OF ONCHOCERCIASIS IN THE MAHENGE MOUNTAINS, ULANGA, TANZANIA.

W Hausermann
Acta Trop 26(1):29-69 MAP REF
1969 475 AC8
Chemical control (insects), DDT, Epidemiology, Insect control, Insect ecology, Insect vectors, Onchocerciasis, Simulium damnosum, Zoogeography.

The ecology, population variations, and distribution of Simulium damnosum, the insect vector of human onchocerciasis in Tanzania are discussed. Control with DDT is recommended.

5361-69
THE PROBLEMS ASSOCIATED WITH THE STANDARDIZATION OF INSECT VIRUSES.

A M Heimpel
355-359
1967 SB932.15
Biological assay, Classification, Insect diseases, Viruses.

5362-69
THE MODIFICATION OF EMBRYOLOGIC DIFFERENTIATION PROCESSES THROUGH TOTAL RADIOTHERAPY IN EGGS OF GRYLUS DOMESTICUS. (GE)

S Heinig
Zool Jahrbucher Abt Anat Ontog Tiere 84(4):425-492 REF
1967 410 Z751
Embryology, Gryllidac, Insect eggs, Insect physiology, Orthoptera, Radiation. German abstract

5363-69
A HERMAPHRODITE QUILAPHOETOSUS JANIRIOIDES (BLANCHARD). (LEPIDOPTERA, SATYRIDAE). (SP)

J Herrera
Chile Univ Centro Estud Entomol Publ (8):127-133
1966 420 C432
Hermaphroditism, Insect abnormalities, Insect physiology, Satyridac.

- 5364-69
RELATIONSHIP BETWEEN SEROTONIN AND THE CIRCADIAN RHYTHM IN SOME NOCTURNAL MOTHS.
C F Hinks
Nature 214(5086):386-387 REF
22 Apr 1967 472 N21
Brain, Diurnal rhythm, Insect biochemistry, Insect histology, Moths, Serotonin, Tryptophan.
- 5365-69
THE FLIGHT TIMES OF SOME NOCTURNAL MOTHS.
J M Hitchen E T Hitchen C M Jackson G H A Meers
Entomologist (london) 02(1271):80-85
Apr 1969 421 EN8
Diurnal rhythm, Insect behavior, Insect flight, Lepidoptera, Weather.
- 5366-69
INSECT-FLOWER ASSOCIATIONS IN THE HIGH ARCTIC WITH SPECIAL REFERENCE TO NECTAR.
B Hocking
Oikos 19(2):359-387 MAP REF
1968 410 O14
Dryas, Insect ecology, Insect populations, Nectar, Papaver, Pollination, Surveys.
- 5367-69
STUDY OF THE HEMOCYTES OF LOCUSTA MIGRATORIA L. (ORTHOPTERA). (FR)
J A Hoffmann
Arch Zool Exp Gen 108(2):259-291 REF
15 Sep 1967 410 AR24
Blood cells, Histochemistry, Insect physiology, Locusta migratoria, Molting (insects). English and German abstracts.
- 5368-69
METABOLISM OF ANILINE IN THE CATTLE TICK BOOPHILUS MICROPLUS CANESTRINI.
G M Holder A J Ryan
Life Sci 8(6.PT 2):313-318 REF
15 Mar 1969 442.8 L62
Aniline, Boophilus microplus, Insect biochemistry, Insect metabolism, Radioactive tracers.
- 5369-69
CONTRIBUTION TO THE PHYSIOLOGY OF THE GUEST-HOST-RELATIONS (MYRMECOPHILY) IN ANTS. I. THE RELATION BETWEEN THE MYRMECOPHILIC ATEMELES- AND LOMECHUSA-LARVAE AND FORMICA. (GE)
B Holldobler
Z Vergleichende Physiol 56(1):1-21 REF
1967 444.8 Z3
Acetone, Attractants, Extracts, Formicidae, Insect physiology, Parasitism, Radioactive tracers, Social insects. English summary.
- 5370-69
GAS-LIQUID CHROMATOGRAPHY ANALYSIS OF DDT METABOLISM IN Aedes Aegypti.
G H S Hooper
J Econ Entomol 61(3):858-859
Jun 1968 421 J822
Aedes aegypti, Assay, Biochemistry, Chromatography, DDT, Extracts, Insect physiology, Larvae, Metabolism, Water.
- 5371-69
MEDIUM AND LONG-TERM CHANGES IN THE BEHAVIOR OF VISUAL NEURONES IN THE TRITOCEREBRUM OF LOCUSTS.
G Horn C H F Rowell
J Exp Biol 49(1):143-169 REF
Aug 1968 442.8 B77
Acrididae, Brain, Insect physiology, Nervous system, Schistocerca gregaria, Vision.
- 5372-69
PIGMENT MOVEMENT AND THE CRYSTALLINE THREADS OF THE FIREFLY EYE.
G A Horridge
Nature 218(5143):778-779
25 May 1968 472 N21
Eyes, Insect anatomy, Insect morphology, Lampyridae, Optics, Pigments, Retina.
- 5373-69
MECHANISM OF THE INSECT EAR.
P F Howse
Nature 213(5074):367-369 REF
28 Jan 1967 472 N21
Insect anatomy, Legs, Locusta migratoria, Sense organs, Stridulation.
- 5374-69
ELECTRON MICROSCOPY FOR THE DIAGNOSIS OF INSECT DISEASES. (GE)
A M Huger
29-53 REF
1967 SB932.15
Diagnosis, Electron microscopy, Insect diseases, Methodology. English summary.
- 5375-69
HETEROTYLENCHUS SPP. PARASITISING THE AUSTRALIAN BUSH FLY: ADDITIONAL INFORMATION ON THE ORIGIN OF THE PARASITE OF THE FACE FLY.
R D Hughes W L Nicholas
J Econ Entomol 62(2):520-521
15 Apr 1969 421 J822
Heterotylenchus, Musca autumnalis, Parasitism, Sphaerulariidae, Zoogeography.
- 5376-69
THE INFLUENCE OF THE DURATION OF COPULATION ON THE FERTILITY OF THE FEMALES OF ACANTHOSCELIDES OBTECTUS SAY (INSECTA COLEOPTERA). (FR)
J Huignard
Acad Sci Compt Rend Ser D Sci Nat 266(12, 1ST SEMESTER):1311-1313
18 Mar 1968 505 P21
Acanthoscelides obtectus, Copulation, Fertility, Insect behavior, Reproduction, Sex behavior.
- 5377-69
UPTAKE OF ATMOSPHERIC WATER BY THE HEN FLEA CERATOPHYLLUS GALLINAE (SCHRANK).
D A Humphries
Nature 214(5086):426
22 Apr 1967 472 N21
Ceratophyllus gallinae, Insect physiology, Metamorphosis, Water consumptive use.
- 5378-69
THE INFLUENCE OF ENVIRONMENTAL FACTORS. (FR)
B Hurpin
135-161 REF
1967 SB932.15
Biological control (insects), Climate, Environment, Epizootic diseases, Microbiology, Soil properties. English summary.
- 5379-69
METEOROLOGICAL ASPECTS OF INSECT MIGRATIONS.
G W Hurst
Endeavour 28(104):77-81 MAP REF
May 1969 472 EN2
Insect migration, Meteorology, Myzus persicae, Schistocerca gregaria, Spodoptera exigua.
A study is made of wind currents and the migration of insects. Migratory behavior of Spodoptera exigua, Myzus persicae, Phytometra biloba and Schistocerca gregaria are analyzed.
- 5380-69
EFFECTS OF FOREST SPRAYING WITH DDT ON AQUATIC INSECTS OF SALMON STREAMS IN NEW BRUNSWICK.
F P Ide
Can Fish Res Board J 24(4):769-805 MAP REF
Apr 1967 442.9 C16J
Aquatic insects, Chemical control (insects), DDT, Insect populations, Insecticide residues, Insecticides, Water pollution.
- The changes in aquatic insect populations were analyzed after aerial applications of DDT were made in forested areas of New Brunswick.
- 5381-69
POSSIBILITIES OF MASS-PRODUCING INSECT PATHOGENS.
C M Ignoffo
91-117 REF
1967 SB932.15
Biological control (insects), Cultural control (insects), Insect diseases, Insecticide resistant insects, Methodology, Microbial insecticides, Microorganisms.
- 5382-69
INFECTION RATE OF CULEX PIPIENS L. MOSQUITOES WITH PARASITIZING FUNGUS ENTOMOPHTHORA CONGLOMERATA SOROK. IN THE VICINITY OF NOVOCHERKASSK. (RUS)
L Y Ilchenko
Med Parazitol Parazitarn Bolezni 37(5,SEP/OCT):613-615
1968 448.8 M469
Culex pipiens, Entomophthora, Fungus diseases (insects), Habitats, Parasitism, Vegetation. English summary.
- 5383-69
A NOTE ON THE ANATOMICAL DERANGEMENT IN THE ROOT TISSUE OF ROOT (WILT) DISEASED COCONUT PALM.
P Indira A Ramadasan
Cur Sci 37(10):290-291
20 May 1968 475 SC123
Coconuts, Phytopathology, Plant morphology, Roots, Virus diseases (plants), Wilt (coconuts).
- 5384-69
TEMPERATURE EFFECTS ON THE TOXICITY OF FIVE INSECTICIDES AGAINST FIVE SPECIES OF STORED-PRODUCT INSECTS.
N T Iordanou F L Watters
J Econ Entomol 62(1):130-135 REF
17 Feb 1969 421 J822
Bromophos, Chemical control (insects), Cryptolestes ferrugineus, DDT, Insecticides, Lindane, Malathion, Methoxychlor, Oryzophilus surinamensis, Temperature, Toxicology, Tribolium castaneum, Tribolium confusum.
- 5385-69
DECREASE IN IMMUNITY OF INSECTS UNDER THE INFLUENCE OF BACTERIAL INFECTION TRANSMITTED BY HYMENOPTEROUS PARASITES.
N P Isakova T S Moiseeva
281-282
1967 SB932.15
Bacterial diseases (insects), Disease transmission, Epizootic diseases, Hymenoptera, Immunology, Parasitism.
- 5386-69
OVARIAN RESPONSE TO CORPUS ALLATUM IN IPHITA LIMBATA STAL..
P I Ittycheriah K K Nayar
Cur Sci 36(22):608-609
20 Nov 1967 475 SC123
Corpora allata, Insect physiology, Insect reproduction, Iphita limbata, Juvenile hormone, Ovaries.
- 5387-69
GESAPON FOR INSECT PESTS.
Weeds Tech Bull (219):4P
1966 79.9 W323
Chemical control (insects), Diazinon, Equipment, Insect pests, Insecticides, Organophosphorus compounds.
The insect pests mentioned were armyworm, black field cricket, diamond back moth, nysius, springtail and grass grub.
- 5388-69
DIFFERENCES IN LIGHT REACTIONS OF LARVAE OF THE ARMYWORM LEUCANIA

SEPARATA WALKER IN RELATION TO THEIR PHASE STATUS.

S Iwao

Nature 213(5079):941-942

04 Mar 1967 472 N21

Insect behavior, Insect physiology, Larvae, *Lucania separata*, Light.**5389-69****LABORATORY TESTS OF LARVICIDES FOR MOSQUITO CONTROL IN POTABLE WATERS. (ABSTRACT).**

W L Jakob

Pesticide Progr 5(3):74

May 1967 79.8 P434

Aedes aegypti, Chemical control (insects), Dieldrin, DDT, Insecticide residues, Insecticide resistant insects, Larvicides, Water. This abstract is from *Mosquito News* 25 (3): 316-319. 1965.**5390-69****CHEMOSTERILIZATION OF THE TWO-SPOTTED SPIDER MITE. I. EFFECT OF CHEMOSTERILANTS ON THE BIOLOGY OF THE MITE. II. HISTOPATHOLOGICAL EFFECT OF APHOLATE AND 5-FLUOROURACIL ON THE REPRODUCTIVE ORGANS.**

M Jalil P E Morrison

J Econ Entomol 62(2):393-403 REF

15 Apr 1969 421 J822

Apholate, Biological control (insects), Chemical control (insects), Chemosterilants, Fluorouracil, 5-, Fluorouracil, 5-, Histopathology, Insect biology, Insect mortality, Reproductive organs, Sterility, Tapa, *Tetranychus urticae*.**5391-69****CHEMOSTERILIZATION OF THE TWO-SPOTTED SPIDER MITE. IV. EFFECT ON POPULATION.**

M Jalil P E Morrison

J Econ Entomol 62(2):415-419 REF

15 Apr 1969 421 J822

Apholate, Biological control (insects), Chemical control (insects), Chemosterilants, Fluorouracil, 5-, Fluorouracil, 5-, Insect populations, Tapa, *Tetranychus urticae*.**5392-69****OBSERVATIONS ON VARIOUS TREATMENTS APPLIED IN LEBANON IN 1966 AGAINST CERATITIS CAPITATA WIED. (FR)**

A Jalloul

Fruits 23(8):415-421

Sep 1968 80 F9492

Attractants, *Ceratitis capitata*, Chemical control (insects), Dimethoate, Fenitrothion, Formothion, Insect biology, Phosphamidon, Spraying.**5393-69****CERTAIN HOST-PARASITE RELATIONSHIPS BETWEEN RODENTS (MURIDAE) AND FLEAS (APHANIPTERA).**

S M Janion

Ekol Pol Ser A (SER A) 16(28):561-607 REF

1968 512 W263

Insect behavior, Insect ecology, Parasitism, Rodents, Siphonaptera. Polish summary.

5394-69**INSECT ANSWERS; INSECTICIDE TOXICITY TO ALFALFA-POLLINATING BEES.**

C Johansen A H Retan

Wash State Univ Ext E M (2784):2P

Jan 1969 275.29 W27M1

Alfalfa, Bees, Insect pollinators, Insecticides, Plant protection, Toxicology. Many insecticides are listed.

5395-69**INSECTS AND RELATED PESTS OF HOUSE PLANTS; HOW TO CONTROL THEM.**

G V Johnson F F Smith

U S D A Home Gard Bull (67):16P

Jan 1969 I AG84HG

Chemical control (pests), Chlordane, Chlorinated hydrocarbons, DDT, Household pests, Insect pests,

Lindane, Malathion, Organophosphorus compounds, Pesticide application, Rotenone, Spraying. Many household pests were discussed.

5396-69**CHANGES IN THE HEMOCYTE PICTURE OF GALLERIA MELLONELLA (LINNAEUS).**

J C Jones

Biol Bull 132(2):211-221

Apr 1967 442.8 B52

Blood cells, *Galleria mellonella*, Hemolymph, Insect cytology, Metamorphosis.**5397-69****SPERMATOCYSTS IN AEDES AEGYPTI (LINNAEUS).**

J C Jones

Biol Bull 132(1):23-33

Feb 1967 442.8 B52

Aedes aegypti, Insect histology, Insect physiology, Metamorphosis, Spermatocytes, Spermatogenesis.**5398-69****REDUCTION OF FLIGHT ORGANS IN SOME CRYPTOBRACHYPTEROUS LYGAEIDAE (HEM., HET., LYGAEIDAE). (GE)**

K H C Jordan

Deut Entomol Ges Mitt 20(4):59-62

15 Aug 1961 420 D482

Hemiptera, Heteroptera, Insect flight, Lygaeidae, Physiology, Viscera, Wings (insects).

5399-69**CYTODIFFERENTIATION DURING INSECT METAMORPHOSIS: THE GALEA OF SILKMOTHS.**

F C Kafatos N Feder

Science 161(3840):470-472

02 Aug 1968 470 SCI2

Antheraea pernyi, Antheraea polyphemus, Cytology, Deoxyribonucleic acid, Enzymes, Metamorphosis, Ribonucleic acid, Synthesis.

5400-69**RECORD OF A TACHINID PARASITE, ALSO MYIA ANOMALA VILLEN, SESAMIA INFERENS WLK..**

A N Kalra T N Srivastava

Cur Sci 36(2):51

20 Jan 1967 475 SCI23

Sesamia inferens, Tachinidae.**5401-69****HISTO-MORPHOLOGY OF THE OVARIOLE IN PHEROSOPHUS HILARIS, FABR. (CHRABIDAE: COLEOPTERA).**

N P Kalyanam K Shanmugham

Cur Sci 37(4):105-106

20 Feb 1968 475 SCI23

Carabidae, Insect histology, Reproductive organs.

5402-69**FLUCTUATIONS IN NUMBERS AND REDUCTION OF THE COLORADO BEETLE (LEPTINOTARSA DECEMLINEATA SAY) IN NATURAL CONDITIONS.**

J Karg P Trojan

Ekol Pol Ser A (SER A) 16(5):147-169 REF

1968 512 W263

Insect eggs, Insect populations, Larvae, *Leptinotarsa decemlineata*, Natural control (insects). Polish summary.**5403-69****METABOLISM OF THE MUSCLE OF THE SCORPION.**

G Kaur M S Kanungo

Life Sci 6(2,PT 2):113-117 REF

15 Jan 1967 442.8 L62

Enzymes, Glycerolysis, Insect metabolism, Muscles, Scorpionida.

5404-69**FATTY ACID METABOLISM IN D. MELANOGASTER: FORMATION OF PALMITOLATE.**

A D Keith

Life Sci 6(2,PT 2):213-218 REF

15 Jan 1967 442.8 L62

Drosophila melanogaster, Fatty acids, Hexadecenoic acid compounds, 9-, Insect biochemistry, Insect metabolism, Radioactive tracers.**5405-69****COMMON SOYBEAN INSECTS.**

D L Keith R E Roselle L W Anderson

Nebr Univ Ext Ec (69-1521):2P

1969 275.29 N272EX

Insect pests, Insect physiology, Soybeans. Fifteen different soybean insects are discussed.

5406-69**INCIDENCE OF BACILLUS POPILLIAE (DUTKY) IN COSTELYTRA ZEALANDICA (WHITE) LARVA.**

J M Kelsey

New Zealand Entomol 3(5):67-68

Dec 1966 421 N48

Bacillus popilliae, Bacteria, Biochemistry, *Costelytra zealandica*, DDT, Larvae, Population, Statistical analysis, Superphosphates.**5407-69****BIOSYSTEMATICS OF PHYTOSEIULUS PERSIMILIS ATHIASHENRIOT (ACARINA: PHYTOSEIIDAE).**

C E Kennett L E Caltagirone

Acarologia 10(4):563-577 REF

Dec 1968 434.8 AC1

Amblyseius, Biological control (insects), Insect biology, Insect genetics, Insect rearing, Insect taxonomy, Mites, *Phytoseiulus persimilis*, *Tetranychus urticae*, Zoogeography.**5408-69****BIOCHEMICAL CORRELATES OF RESPIRATORY AND DEVELOPMENTAL CHANGES IN ANOXYC TRIBOLIUM CONFUSUM PUPAE.**

G S Kennington S Cannell

Physiol Zool 40(4):403-408

Oct 1967 410 P56

Anoxia, Fats, Insect biochemistry, Insect morphology, Insect respiration, Lactic acid, Metamorphosis, Pupae, *Tribolium confusum*.**5409-69****INVESTIGATIONS CONCERNING RESISTANCE TO COLD OF ARANEUS CORNUTUS (ARANEIDAE). (GE)**

W Kirchner P Kestler

J Insect Physiol 15(1):41-53 REF

Jan 1969 421 J825

Hibernation, Insect physiology, Spiders, Temperature. English summary.

5410-69**THE SIGNIFICANCE OF OVIPOSITION RATES IN THE EGG PARASITE, TRICHOGRAMMA EMBRYOPHAGUM HTG..**

H Klomp B J Tcerink

Arch Near Zool 17(3):350-375 REF

Nov 1967 410 AR27

Insect ecology, Insect eggs, Ovulation, Population, *Trichogramma embryophagum*.**5411-69****GRASSHOPPER CONTROL, 1969.**

G F Knowlton

Utah State Univ Ext Leaflet (75):11P

1969 275.29 UTIL

Accident prevention, Alfalfa, Carbamates, Chemical control (insects), Chlorinated hydrocarbons, Grasshoppers, Insect pests, Insecticide application, Insecticides, Methodology, Organophosphate compounds, Pastures.

5412-69**ACTION OF PROTEINIC BRAIN HORMONE TO THE PROTHORACIC GLAND IN AN INSECT, BOMBYX MORI L. (LEPIDOPTERA: BOMBYCIDAE).**

M Kobayashi Y Ishitoya M Yamazaki

Appl Entomol Zool 3(3):150-152

Sep 1968 SB599.A6

Bombyx mori, Brain, Hormones, Insect biology, Nucleic acids, Proteins, Ribonucleic acid.

- 5413-69**
ESTIMATION OF THE INDIVIDUAL NUMBER ENTERING EACH DEVELOPMENT STAGE IN AN INSECT POPULATION.
S Kobayashi
Res Population Ecol 10(1):40-44 REF
Jun 1968 420 K99
Insect ecology, Insect eggs, Insect physiology, Insect rearing, Mortality, *Picris rapae*, Population, Reproduction. Japanese summary.
- 5414-69**
CHLORINATED HYDROCARBON INSECTICIDE INHIBITION OF COCKROACH AND HONEY BEE ATPASES.
R B Koch L K Cutkomp F M Do
Life Sci 8(6,PT 2):289-297 REF
15 Mar 1969 442.8 L62
Apis mellifera, Chlordane, Chlorinated hydrocarbons, Dicofol, DDT, Insect metabolism, Insecticide resistant insects, Insecticides, Lindane, *Periplaneta americana*, Toxicology.
Specific enzyme inhibitory activities of DDT and its derivatives, dicofol, chlordane and lindane have been studied on Na&-K& ATPase and Mg& ATPase from nerve cord and muscle tissue of the American cockroach and brain from worker honey bees. There were considerable differences in magnitude of inhibition and in the type of ATPase inhibition by the different insecticides acting on the different tissues.
- 5415-69**
ON ECOLOGY AND PHENOLOGY OF HEPATOMA PELLUCENS F. (TABANIDAE, DIPTERA). (RUS)
O F Kolesova
Med Parazitol Parazitarn Bolezni 37(5,SEPI/OCT):585-588
1968 448.8 M469
Diptera, Insect ecology, Larvac, Reservoirs, Tabanidae. English summary.
- 5416-69**
THE EFFECT OF BAROMETRIC PRESSURE AND OTHER FACTORS ON ECLOSION OF THE CABBAGE BUTTERFLY PIERIS RAPAE (PIERIDAE).
J M Kolyer H B Palmer
Lepidopterists Soc J 22(4):211-225 REF
1968 421 L554
Barometric pressure, Insect physiology, *Picris rapae*.
- 5417-69**
CONTRIBUTION TO THE STUDY OF HIGHER TERMITE DIGESTION. (FR)
J Kovoer
Paris Acad Agr France Compt Rend Hebd Seances 53(4):331-332
1967 14 P215BC
Bacteria, Cytology, Digestion, Insect histology, Insect morphology, Insect physiology, Isoptera.
- 5418-69**
RADIOGRAPHIC STUDY OF INTESTINAL TRANSIT IN A HIGHER TERMITE. (FR)
J Kovoer
Experientia 23(10):820-821
15 Oct 1967 475 EX7
Gastrointestinal system, Insect physiology, Isoptera, Radiography. English abstract.
- 5419-69**
AN OCTOSPOROSES OF THE BLACK BLOWFLY PHORMIA REGINA: EFFECT OF TEMPERATURE ON THE LONGEVITY OF DISEASED ADULTS.
J P Kramer
Tex Rep Biol Med 26(2,SUMMER):199-204
1968 448.8 T31
Insect diseases, Longevity, Octosporae, *Phormia regina*, Protozoa, Temperature.
- 5420-69**
INDUCED VIRESCENT-BUD MUTATION IN GOSSYPIUM HIRSUTUM.
R Krishnaswami
Cur Sci 36(14):387
20 Jul 1967 475 SCI23
Coccus viridis, Entomophthora, Fungus diseases (insects), Morphology.
- 5421-69**
SOME REGULARITIES IN THE ZONAL DISTRIBUTION OF ORIBATOID MITES. (RU)
D A Krivolutsky
Oikos 19(2):339-344
1968 410 O14
Humidity, Insect ecology, Oribatei, Solar radiation, Vegetation. English abstract.
- 5422-69**
NOTES ON THE SWEDISH SPECIES OF THE GENUS CENTROMERUS F. DAHL. (ARANEAE, LINYPHIIDAE). A FAUNISTIC REPORT WITH ECOLOGICAL REMARKS.
T Kronstedt
Entomol Tidskr 89(1-2):111-127 MAP REF
10 Aug 1968 421 EN891
Ecology, Life cycle, Linyphiidae, Spiders, Zoogeography. English abstract
- 5423-69**
CO-RESISTANCE AND RESISTANCE INHERITANCE IN A DIELDRIN RESISTANT LABORATORY STOCK OF THE CLOTHES MOTH (TINEOLA BISSELLIELLA (HUM.), LEP.). (GE)
H Kuhne
Zool Beitr 13(2-3):397-407 REF
1967 410 Z753
Chlordane, Dieldrin, DDT, Endrin, Inheritance, Insect breeding, Insecticide resistant insects, Laboratory insects, *Tineola bisselliella*.
- 5424-69**
A TECHNIQUE FOR MAINTENANCE AND REARING OF ODOIPORUS LONGICOLLIS.
K Kumar
J Econ Entomol 62(2):528-529
15 Apr 1969 421 J822
Bananas, Insect pests, Insect rearing, Insect rearing equipment, *Odoiporus longicollis*.
- 5425-69**
EFFECT OF AERIAL SPRAYING FOR THE CONTROL OF GREEN RICE LEAFHOPPER IN AUTUMN. TRANSL. 17058.
T Kumazawa S Yanaka K Oda F Toyoda
5P
Aerial spraying, Chemical control (insects), Insecticides, Malathion, *Nephotettix cincticeps*. Translation from Proc. Kanto-Tosan Plant Protect. Soc. 10:45, 1963. translated by Y. Tsukano.
- 5426-69**
CONDITIONS FOR THE MASSIVE MULTIPLICATION OF THE INTESTINAL CYTOPLASMIC VIRUS OF MAMESTRA BRASSICAE L. (LEPIDOPTERA). (FR)
E Kurstak
131-132
1967 SB932.15
Cytoplasm, Insect diseases, Intestines, *Mamestra brassicae*, Reproduction, Virology.
- 5427-69**
MALE GENITALIA OF THE SPECIES OF DEPRESSARIA HAWORTH S. L. (LEPIDOPTERA, OECOPHORIDAE) OCCURRING IN THE NETHERLANDS (ADDENDA).
W Van Laar
Leiden Rijksmus Natuur Hist Zool Mededel 43(7):95-96
25 Sep 1968 410.9 L59
Insect morphology, Lepidoptera, Occophoridae, Reproductive organs.
- 5428-69**
LIFE HISTORY AND LIFE TABLE OF TETRANYCHUS URTICAE KOCH.
J E Laine
Acarologia 11(1):32-42 REF
Jan 1969 434.8 AC1
Insect biology, *Tetranychus urticae*. French abstract.
- 5429-69**
TRANSMISSION EXPERIMENTS ON THE TUNGRO VIRUS IN THAILAND.
H A Lamcy P Surin J Leeuwangh
Int Rice Comm News Lett 16(4):15-19
Dec 1967 59.9 IN83N
Insect collecting equipment, Insect physiology, Insect vectors, *Nephotettix impicticeps*, Plant disease transmission, Plant diseases, Symptomatology, Tables (data), Tungro disease, Virus diseases (plants).
Inazuma dorsalis, Thrips sp., *Sogatella furcifera*, *Thaia oryzivora*, *Balclutha viridis*, *Nilaparvata lugens* and *Nephotettix viridis* were also tested for transmission ability.
- 5430-69**
HOUSE FLY CONTROL BY CHEMICAL STERILIZATION WITH APHOLATE.
J L Lancaster J S Simco
Ark Agr Exp Sta Bull (737):12P REF
Jan 1969 100 AR42
Apholate, Chemical control (insects), Insecticides, *Musca domestica*, Sterility.
- 5431-69**
EXPERIMENTS WITH AN ARTIFICIAL SPERMATOPHORE IN COCKCHAFER (MELOLONTHA MELOLONTHA L.).
V Landa
Acta Ent Bohemoslov 58(4):297-301
1961 420 C33
Glands (insects), Insect morphology, *Melolontha melolontha*, Reproductive organs, Spermatozoa. Czech summary.
- 5432-69**
EFFECT OF LIGATING ON PUPARIUM FORMATION IN THE LARVA OF THE TSETSE FLY, GLOSSINA MORSITANS WESTWOOD.
P A Langley
Nature 214(5086):389-390
22 Apr 1967 472 N21
Brain, Ecdysone, *Glossina morsitans*, Insect physiology, Larvac, Metamorphosis, Pupal cases, Sutures.
- 5433-69**
COMPARISON OF THE STRUCTURE OF SYMBIOTIC BACTERIA IN VARIOUS SAP SUCKING INSECTS. (FR)
M Laporte
69
1967 SB932.15
Aphididae, Bacteria, Electron microscopy, Pentatomidae, Symbiosis.
- 5434-69**
USE OF HISTOPATHOLOGY INDICES OF HAEMOLYMPH FOR THE PROGNOSIS OF MASS PROPAGATION OF PESTS.
N V Lappa
264-265
1967 SB932.15
Biological control (insects), Diagnosis, Epizootic diseases, Haemolymph, Histology, Insect diseases, Insect pests.
- 5435-69**
INTEGRATED INSECT CONTROL - A PAYOFF FROM RESEARCH.
P Larsen
Amer Fruit Grower 89(5):32
May 1969 80 G85
Agricultural research, Entomology, Fruit culture, Insect ecology, Integrated control (insects), Predaceous insects.
- 5436-69**
STUDY OF THE SENSORY EQUIPMENT OF THE DISTAL JOINT OF THE PALPI IN LOCUSTA MIGRATORIA MIGRATORIOIDES (F. AND R.) LARVAE. (FR)
J R Le Berre Y Sinoir C Boulay
Acad Sci Compt Rend Ser D Sci Nat 265(22, 2ND SEMESTER):1717-1720
27 Nov 1967 505 P21

Insect physiology, *Locusta migratoria migratorioides*, Mechanoreceptors, Mouth parts.

5437-69

MUTATIONS PRODUCED BY TRANSMUTATION OF PHOSPHORUS-32 TO SULFUR-32 WITHIN *DROSOPHILA* DNA.

W R Lcc G A Sega C F Alford
Nat Acad Sci Proc 58(4):1472-1479 REF

Oct 1967 500 N21P

Deoxyribonucleic acid, *Drosophila melanogaster*, Insect biochemistry, Insect genetics, Phosphorus isotopes, Sulfur isotopes.

5438-69

CYCLOPHORA PUPILLARIA HB. IN BELGIUM (LEPIDOPTERAGEOMETRIDAE). (FR)

A Legrain
Lambillionea 66(9110):76
05 Sep 1967 420 N15

Geometridae, Insect behavior, Insect migration, Zoogeography.

5439-69

REGULATION OF TRYPTOPHAN METABOLISM IN THE PARASITIC WASP, *HABROBRACON JUGLANDIS*.

F Leibenguth
Experientia 23(12):1069-1071 REF
15 Dec 1967 475 EX7

Enzymes, *Habrobracon*, Insect metabolism, Tryptophan.

5440-69

SUSCEPTIBILITY OF INSECTS TO ENTOBACTERIN.

A Leskova
214-215
1967 SB932.15

Bacillus cereus, Bacterins, Biological control (insects), Insect pests, Insecticide resistant insects.

5441-69

A MOLECULAR BOMB FOR THE WAR AGAINST INSECTS.

L Lessing
Amer Forests 75(1):16-19,42-44
Jan 1969 99.8 F762

Chemical control (insects), Insect pests, Insecticides.

The history and application of hormonal insecticides are discussed. This may greatly relieve the chemical contamination of the environment with presently used synthetic organic compounds.

5442-69

SEX ATTRACTANT IDENTIFIED IN CLICK BEETLES OF THE SUGAR-BEET WIREWORM.

C E Lilly
Canada Agr 14(1,WINTER):14-15
1969 7 R31

Biological control (insects), Elaterididae, Insect pests, *Limonius californicus*, Sex attractants.

5443-69

THE RELATIONS BETWEEN TRANSPIRATION, HUMIDITY REACTION, THIRST AND WATER CONTENT IN THE SHOREBUG *SALDULA SALTATORIA* L. (HETEROPTERA: SALDIDAE).

P Lindskog
Arkiv Zool 20(6):465-493 REF
15 Nov 1968 410.9 SV22

Insect physiology, Metabolism, Saldidae, Water, Weather.

5444-69

SOME OBSERVATIONS ON FLAGELLATE PARASITES OF HEMIPTERANS *CORIMELAENA*, *EUSCHISTUS*, *GERRIS*, *LEPTOCORIS* AND *ONCOPELTUS* IN THE UNITED STATES.

J J Lipa
Acta Protozool 6(1-11):59-67 REF
1969 439.8 AC8

Flagella, Hemiptera, Insect diseases, Parasitism, Trypanosomatidae.

5445-69

BREEDING *LYSANDRA CORIDON* AB. SYN-GRAPHA.

C G Lipscomb
Entomol Rec J Variation 80(11):284-285
Nov 1968 421 EN89

Food, Insect biology, Insect rearing, *Lysandra coridon*.

5446-69

THE BIOLOGY AND CONTROL OF THE *CEANOOTHUS* STEM-GALL MOTH, *PERIPLOCA CEANOTHIELLA* (COSENS).

N F Lonolis
Calif Hort Soc J 29(3):89-92
Jul 1968 81 C1293

Biological control (insects), *Ceanothus*, Chemical control (insects), Chlorinated hydrocarbons, Cultural control (insects), Diazinon, Dimethoate, DDT, Insect biology, Insecticides, Organophosphorus compounds, Oxydemetonmethyl, Plant pest control.

5447-69

THE LEATHERJACKET RISK GROWS.

E Long
Farmers Weekly 70(5):V-VI
31 Jan 1969 10 F2226

Baits, Benzene hexachloride, Chemical control (insects), Chlorinated hydrocarbons, DDT, Insect behavior, Insect outbreak forecasting, Insect pests, Insect traps, Larvae, Tipulidae, Zoogeography.

5448-69

QUANTITATIVE STUDY OF DIVERGENCE IN THE MORPHOLOGICAL EVOLUTION OF CERTAIN INFRA-SPECIFIC ENTITIES IN DOMESTIC HONEYBEES (*A. MELLIFERA* L.). (FR)

J Louis J Lefebvre
Acad Sci Compt Rend Ser D Sci Nat 266(11, 1ST SEMESTER):1131-1133
11 Mar 1968 505 P21

Apis mellifera, Insect evolution, Insect morphology, Statistical analysis.

5449-69

MORPHOLOGY, ANATOMY AND DEVELOPMENT OF THE GALL OF *RHABDOPHAGA RAMICOLA* RUBS. IN *SALIX PURPUREA* L. (FR)

E Loux J Meyer
Marcellia 34(3):135-169 REF
Dec 1967 421 M33

Cecidomyiidae, Insect anatomy, Insect morphology, Plant galls, *Rhabdophaga*, Silvex.

5450-69

MORPHOLOGY AND CHEMISTRY OF THE PARASPORAL BODY OF *BACILLUS FRIBOURGENSIS*.

P Luthy L Etlinger
54-58
1967 SB932.15

Bacillus fribourgensis, Biochemistry, Insect diseases, *Melolontha melolontha*, Methodology, Milky disease, Sporangia.

5451-69

A BIOASSAY TO CHARACTERIZE STRAINS AND PREPARATIONS OF *BACILLUS THURINGIENSIS* BERLINER.

H P Maas Geesteranus J P W Noordink C A Van Den Anker
302-306
1967 SB932.15

Bacillus thuringiensis, Bacterial diseases (insects), Biological assay, Caterpillars, Insect behavior, Methodology, Radioactive tracers.

5452-69

SUITABILITY OF PATHOGENS FOR BIOLOGICAL CONTROL.

J W MacBain Cameron
182-196 REF
1967 SB932.15

Bacteria, Biological control (insects), Costs, Fungi, Insect diseases, Viruses.

5453-69

THE DISTRIBUTION OF NYMPHS OF *BRACHYPTERA RISI* MORT. AND *NEMOURA FLEXUOSA* AUB. (PLECOPTERA) IN RELATION TO OXYGEN.

B L Madsen
Oikos 19(2):304-310
1968 410 O14

Insect behavior, Insect ecology, *Nemoura*, Nymphs, Oxygen, Plecoptera.

5454-69

ON THE TRANSPORT OF MICROORGANISMS (PHI PARTICLES) BY THE FEMALE GERMINAL CELLS IN THE HOMOPTERAN *TYPHLOCYBA DOUGLASI* EDW.. (FR)

P L Maillat R Folliot
Acad Sci Compt Rend Ser D Sci Nat 266(9, 1ST SEMESTER):923-925 REF
26 Feb 1968 505 P21

Cicadellidae, Electron microscopy, Insect vectors, Microorganisms, Ova.

5455-69

DIAGNOSIS OF THE DISEASES OF INSECTS. (SP)

C M C Martinez
Fitofilo (58, APR-MAY, JUN):17-37
Jun 1967 421 F55

Fungus diseases (insects), Insect diseases, Nematodes, Protozoa, Virus diseases (insects).

5456-69

THE CALCIUM SENSITIVITY OF ATPASE ACTIVITY OF MYOFIBRILS AND ACTOMYOSINS FROM INSECT FLIGHT AND LEG MUSCLES.

K Maruyama J W S Pringle R T Trcgear
Roy Soc Proc Ser B, Biol Sci 169(1016):229-240 REF
27 Feb 1968 501 L84B

Actomyosins, Adenosine triphosphatase, Antimetabolites, *Apis mellifera*, Calcium, Enzymes, Insect physiology, *Lethocercus maximus*, *Locusta migratoria*, Muscles, *Xyloryctes jamaicensis*.

5457-69

NOTES ON BANCHOPSIS *RUFICORNIS* CAMERON (HYM.: ICHNEUMONIDAE) AN INTERNAL LARVAL PARASITE OF *HELIOTHIS ARMIGERA* (HUBNER) IN INDIA.

K C Mathur
Cur Sci 36(13):356-357
05 Jul 1967 475 SC123

Heliothis armigera, Ichneumonidae, Insect rearing, Larvae.

5458-69

OLFACTORY RESPONSE OF LARVAE OF THE ONION MAGGOT, *THYLEMYA ANTIQUA* MEIGEN (DIPTERA: ANTHOMYIIDAE) TO ORGANIC SULFUR COMPOUNDS.

Y Matsumoto A J Thorsteinson
Appl Entomol Zool 3(3):107-111 REF
Sep 1968 SB599.A6

Anthomyiidae, *Hylemya antiqua*, Insect behavior, Larvae, Smell, Sulfur compounds, Thiols.

5459-69

SOUTHERN TREE CHAPTER BRIEFED ON BORER CONTROL.

C McComb
Amer Nurseryman J 129(8):10,85
15 Apr 1969 80 AM371

Chemical control (insects), Chlorinated hydrocarbons, Dieldrin, Dimethoate, DDT, Insect pests, Insecticides, Spraying, Trees.

5460-69

A TACTILE SETA OF THE TWO-SPOTTED SPIDER MITE, *TETRANYCHUS URTICAE* K. (ACARINA: TETRANYCHIDAE).

W D McEnroe
Acarologia 11(1):29-31
Jan 1969 434.8 AC1

Electron microscopy, Hair, Insect morphology, Mechanoreceptors, Sensory organs, *Tetranychus urticae*.

- 5461-69
HOST PREFERENCES AND DISCRIMINATION BY THE MOSQUITOES Aedes Aegypti AND Culex tarsalis (DIPTERA: CULICIDAE).
S B Melver
J Med Entomol 5(4):422-428 REF
30 Oct 1968 421 J828
Aedes aegypti, Attractants, Chicks, Culex tarsalis, Culicidae, Insect behavior, Medical entomology, Mice, Odors.
- 5462-69
IMMUNITY IN THE INVERTEBRATES. I. STUDIES ON THE NATURALLY OCCURRING HAEMAGGLUTININS IN THE FLUID FROM INVERTEBRATES.
D McKay C R Jenkin D Rowley
Australian J Exp Biol Med Sci 47(1):125-134
Feb 1969 442.8 AU7
Hemagglutination, Hemolymph, Immunology, Invertebrates, Opsonins.
Investigations have been made on the distribution of haemagglutinins in the haemolymph of various invertebrates. Studies indicate they may serve as opsonins. The importance of this aspect with respect to invertebrate immunology is discussed.
- 5463-69
THE 24-INCH BRANCH AS A SAMPLE UNIT FOR EGG MASS SURVEYS OF THE WESTERN BUDWORM.
M E McKnight
Pacific Southwest Forest Range Exp Sta Res Note PSW- (122):2P
1968 A99.9 F7632US
Choristoneura occidentalis, Insect eggs, Insect populations, Methodology, Pruning, Pseudotsuga menziesii, Sampling (statistics).
- 5464-69
THE COLUMBIAN TIMBER BEETLE, CORTHYLUS COLUMBIANUS. VII. THE EFFECT OF CLIMATIC INTEGRANTS ON HISTORIC DENSITY FLUCTUATIONS.
M L McManus R L Giese
Forest Sci 14(3):242-253 MAP REF
Sep 1968 99.8 F7632
Acer rubrum, Acer saccharinum, Climate, Demography, Predaceous insects, Scolytidae.
- 5465-69
POLYNEMA STRIATICORNE GIRAULT (HYMENOPTERA: MYMARIDAE), A PARASITE OF THE BUFFALO TREEHOPPER, STICTOCEPHALA BUBALUS (F.) (HOMOPTERA: MEMBRACIDAE), IN QUEBEC.
B P Mehra R O Paradis
Entomol Soc Quebec Ann 12(2):97-99 REF
May 1967 420 EN822
Eggs, Hymenoptera, Insect biology, Parasitic insects, Stictoccephala bubalus.
- 5466-69
INVESTIGATIONS INTO THE HONEY BEE'S LEARNING OF SPECTRAL COLORS. (GE)
R Menzel
Z Vergleichende Physiol 56(1):22-62 REF
1967 444.8 Z3
Apis mellifera, Color, Experimental insects, Insect behavior. English summary.
- 5467-69
THE INFLUENCE OF LIGHT AND TEMPERATURE VARIATIONS ON THE BEHAVIOR AND FECUNDITY OF THE LARCH-BUD MOTH ZEIRAPHERA DINIANA (GN.) (LEPIDOPTERA: TORTRICIDAE). (GE)
D Meyer
Rev Suisse Zool 76(1):93-141 REF
Mar 1969 410 R324
Diurnal rhythm, Fertility, Insect behavior, Insect rearing, Larix, Light, Temperature, Zeiraphera diniana. English and French abstracts.
- 5468-69
THE BREEDING OF LYTTA VESICATORIA IN THE LABORATORY AND DEMONSTRATION OF CANTHARIDIN SYNTHESIS IN LARVAE. (GE)
D Meyer Ch Schlatter I Schlatter-Lanz H Schmid P Bovey
Experientia 24(10):995-998
15 Oct 1968 475 EX7
Cantharidin, Insect rearing, Larvae, Lytta vesicatoria, Meloidae, Metamorphosis, Polymorphism, Sex, Synthesis.
- 5469-69
IN VIVO AND IN VITRO CYTOLOGICAL DIAGNOSIS OF DENSONUCLEOSIS IN LEPIDOPTERA. (FR)
G Meynadier
22-25
1967 SB932.15
Biopsy, Cytology, Diagnosis, Electron microscopy, Galleria mellonella, Insect diseases, Lepidoptera, Symptomatology, Tissue culture, Virology.
- 5470-69
MOSQUITO CONTROL AGENTS DERIVED FROM PETROLEUM HYDROCARBONS. III. THE EFFECT OF FLIT MLO ON FIRST AND SECOND LARVAL INSTARS.
D W Micks G V Chambers S Montalbano C Daoud
J Econ Entomol 62(2):455-458
15 Apr 1969 421 J822
Aedes aegypti, Chemical control (insects), Culex pipiens quinquefasciatus, Culicidae, Dosage, Hydrocarbons, Insect abnormalities, Insect physiology, Larvae, Petroleum.
- 5471-69
INSECT AND MITE CONTROL ON ORNAMENTALS.
R L Miller R L Campbell
Ohio State Univ Ext Bull (504):24P
1969 275.29 OH32
Accident prevention, Chemical control (insects), Dairy equipment, Dosage, Insecticide application, Insecticide resistant insects, Insecticides, Light traps, Mites, Oils, Ornamental plants.
- 5472-69
HOME GARDEN INSECT CONTROL.
R L Miller J P Slesman
Ohio State Univ Ext Bull 498:16P
Jan 1969 275.29 OH32
Acaricides, Accident prevention, Chemical control (insects), Dairy equipment, Gardens, Insect pests, Insecticides, Light traps, Mites, Slugs, Soil insects. Many insecticides and acaricides are recommended.
- 5473-69
THE OPTICS OF INSECT COMPOUND EYES.
W H Millcr G D Bernard J L Allen
Science 162(3855):760-767 REF
15 Nov 1968 470 SCI2
Compound eye, Insect anatomy, Insect physiology, Light.
- 5474-69
BIOCHEMICAL ASPECTS OF JUVENILE HORMONE ACTION IN THE ADULT LOCUSTA MIGRATORIA.
A K Minks
Arch Neer Zool 17(2):175-257 REF
Jun 1967 410 AR27
Electron microscopy, Electrophoresis, Insect biochemistry, Juvenile hormone, Locusta migratoria, Tissue culture.
- 5475-69
THE EFFECT OF REDUCTION IN STREAM FLOW ON INVERTEBRATE DRIFT.
G W Minshall P V Winger
Ecology 49(3):580-582 SPRING
1968 410 EC7
Distribution, Invertebrates, Light, Streams, Velocity, Zoogeography.
- 5476-69
A BIPOLAR DIFFERENTIATED GYNANDROMORPH OF CULEX TARSALIS COQUILLET, FROM TEXAS.
C J Mitchell T B Hughes
J Med Entomol 6(1):78
30 Jan 1969 421 J828
Culex tarsalis, Culicidae, Gynandromorphism, Insect morphology, Medical entomology.
- 5477-69
COMPARISONS OF CELLS, REFRACTILE BODIES, AND SPORES OF BACILLUS POPILLIAE.
B M Mitruka R N Costilow S H Black R E Pepper
J Bacteriol 94(3):759-765 REF
Sep 1967 448.3 J82
Bacillus popilliae, Biochemistry, Electron microscopy, Physiology, Spores.
- 5478-69
KARYOLOGICAL STUDIES ON THE INDIAN SPIDERS. VIII. MITOSIS AND MEIOSIS IN TWO SPECIES BELONGING TO THE FAMILY GNAPHOSIDAE.
O P Mittal
Genetica 38(4):516
1967 442.8 G282
Chromosomes, Cytology, India, Meiosis, Mitosis, Research, Sex, Spiders.
- 5479-69
EFFECT ON APHID FEEDING OF DIETARY METHIONINE.
T E Mittler
Nature 214(5086):386
22 Apr 1967 472 N21
Amino acids, Aphididae, Feeding, Insect behavior, Insect nutrition, Insect physiology, Methionine, Myzus persicae.
- 5480-69
1967: THE RESULTS OF ARTIFICIAL BIOLOGICAL CONTROL OF THE OLIVE FLY. (IT)
S Monastero
Agricoltura 17(6):50-53 MAP
Jun 1968 16 AG8226
Biological control (insects), Costs, Dacus oleae, Insect dissemination, Insect rearing, Olivus, Opius, Parasitism. English and French summaries.
- 5481-69
UTILIZATION OF LARVAL CHOLESTROL-4-C14 FOR REPRODUCTION IN HOUSE FLIES FED UNLABELED CHOLESTEROL IN THE ADULT DIET.
R E Monroe C S Polityka N J Lamb
Entomol Soc Amer Ann 61(2):292-296
15 Mar 1968 420 EN82
Carbon isotopes, Cholesterol, Insect eggs, Insect metabolism, Larvae, Musca domestica, Oogenesis, Radioactive tracers, Sterols.
- 5482-69
PRODUCTION OF DAUER PUPAE IN BOMBYX MORI L.
S Morohoshi N Urabe
Nature 213(5077):736
18 Feb 1967 472 N21
Bombyx mori, Brain, Hormones, Insect morphology, Metamorphosis, Pupae, Secretion.
- 5483-69
ON THE MORPHOLOGY OF THE LAST ABDOMINAL SEGMENT OF FEMALE BOMBYLIIDAE (DIPTERA). (GE)
M Muhlenberg
Zool Anz 181(3-4,SEP-OCT):277-279
Oct 1968 410 Z7
Abdomen, Bombyliidae, Insect morphology.
- 5484-69
A NEW CHEMICAL FOR CONTROL OF SCARLET AND PINK MITE.
T D Mukerjca
Tocklai Exp Sta Newslett 13(3):94-100

5485-69

Sep 1966 68.18 T93

Acaricides, Binapaeryl, Brevipalpus phoenicis, Chemical control (insects), Insect pests, Tea.

5485-69

THE EFFECT OF PREDATOR AGE ON THE FUNCTIONAL RESPONSE OF PODISUS MACULIVENTRIS TO THE PREY SIZE OF GALLERIA MELLONELLA.

M K Mukerji E J LeRoux

Can Entomol 101(3):314-327 REF

Mar 1969 421 C16

Aging, Galleria mellonella, Podisus maculiventris, Predaceous insects, Starvation.

5486-69

CONTROL OF PASTURE AEDES MOSQUITOES BY DRIPPING LARVICIDES INTO FLOWING WATER, WITH NOTES ON RESIDUES IN A PASTURE HABITAT.

M S Mulla H A Darwazeh A F Geib W E Westlake

J Econ Entomol 62(2):365-370

15 Apr 1969 421 J822

Aedes, Chemical control (insects), Diethyl O-3,5,6-trichloro-2-pyridyl phosphorothioate, d, Fenthion, Insect behavior, Insecticide application, Insecticide residues, Irrigation, Larvicides, Methyl parathion, Organophosphorus compounds, Pastures.

5487-69

A NEW FOODPLANT FOR EUPHYDRYAS PHAETON (NYMPHALIDAE).

J Muller

Lepidopterists Soc J 23(1):48

1969 421 L554

Food plants, Insect nutrition, Nymphalidae.

5488-69

A DAMSEL-FLY AS THE SECOND INTERMEDIATE HOST OF A PLEUROGENETINE TREMATODE.

K Muraleedharan B P Pande

Cur Sci 36(23):639-641

05 Dec 1967 475 SCI23

Enallagma, Metacercaria, Morphology, Trematodiasis.

5489-69

A TECHNIQUE FOR REARING TROMBICULID MITES (ACARINA) DEVELOPED IN A TROPICAL LABORATORY.

M Nadchatram

J Med Entomol 5(4):465-469 REF

30 Oct 1968 421 J828

Climate, Environment, Insect rearing, Laboratory animals, Medical entomology, Mites, Trombiculidae.

5490-69

THE RELATION BETWEEN TEMPERATURE AND LETHAL ACTION OF CARBARYL ON ADULTS ON THE HOUSEFLY AND THE ORIENTAL HOUSEFLY (DIPTERA: MUSCIDAE).

S Nagasawa W M Hoskins

Appl Entomol Zool 3(3):139-147

Sep 28-1 SB599.A6

Carbamates, Carbaryl, Insect biology, Musca domestica, Musca domestica vicina, Temperature, Toxicology.

5491-69

TEMPERATURE AND TERMINATION OF DIAPAUSE IN EPICAUTA GORHAMI MARSEUL (COLEOPTERA, MELOIDAE), WITH PARTICULAR REFERENCE TO THE MECHANISM OF CONTEMPORANEOUS EMERGENCE. (JA)

A Nagatomi

Kagoshima Univ Fac Agr Bull 18:1-11

Feb 1968 107.6 K114B

Diapause, Epicauta gorhami, Insect morphology, Meloidae, Temperature, Time. English summary.

5492-69

THE FEMALES OF LAELIUS ANTHRENIVORUS TRANI (HYM. BETHYLIDAE) ATTACKING MAN. (FR)

C G Nagy

Riv Parassitol 29(1):71-74

Mar 1968 436.8 R52

Bethylidae, Insect behavior, Insect identification. Italian and English summaries.

5493-69

THE INGESTION IN WOLF SPIDERS. I. CAPACITY OF GUT OF LYCOSA PSEUDOANNULATA.

K Nakamura

Res Population Ecol 10(1):45-53 REF

Jun 1968 420 K99

Digestion, Drosophila melanogaster, Insect physiology, Insect rearing, Lycosa pseudoannulata, Predaceous insects, Spiders. Japanese summary.

5494-69

COLOUR VISION AND COLOUR PREFERENCE IN THE TROPICAL EYE-FLY.

M J Narasimhan M J Kasthuri-Thirumalachar V G Ganla

Experientia 23(10):818-819

15 Oct 1967 475 EX7

Chloropidae, Color, Color preference, Insect physiology, Ultraviolet rays, Vision.

5495-69

A POSSIBILITY OF USING DIMETHYL-DICHLORVINYLPHOSPHATE IN THE FIGHT AGAINST RED COCKROACHES. (ABSTRACT). (RUS)

V N Nefedov V F Ponomarenko

Zhur Mikrobiol Epidemiol Immunobiol 4:135

1968 448.3 Z4

Blattidae, Chemical control (insects), Dichlorvos, Insect control, Insect pests.

5496-69

FLIGHT ACTIVITY OF HONEYBEES IN A FLIGHT AND REARING ROOM. II. THE INFLUENCE OF CONSTANT AND CYCLING TEMPERATURES.

E V Nelson S C Jay

J Apicult Res 7(2):71-76 REF

1968 424.8 J82

Apis mellifera, Insect behavior, Insect flight, Temperature.

5497-69

NOTE ON THE OVARY, RACHIS, AND SPERMATHECA OF AN INSECT PARASITIC NEMATODE, CONTORTYLENCHUS ELONGATUS (MASSEY, 1960) NICKLE, 1963.

W R Nickle

Helminthol Soc Wash Proc 33(1):37-40

Jan 1966 436.9 H36

Contortylenchus clongatus, Insect diseases, Insects, Nematodes, Parasitism, Reproductive organs.

5498-69

EVOLUTION TOWARD A SINGLE PHENOTYPE AND PERSISTANCE OF THE MOLTING GLANDS IN LOCUSTA MIGRATORIA CINERASCENS, GREGARIOUS PHASE, UNDER THE INFLUENCE OF CARBONIC GAS. EXPERIMENTAL AND ULTRASTRUCTURAL STUDY. (FR)

G Nicolas P Cassier M A Fain-Maurel

Acad Sci Compt Rend Ser D Sci Nat 268(11, 1ST SEMESTER):1532-1534

17 Mar 1969 505 P21

Carbon dioxide, Corpora allata, Glands (insects), Insect physiology, Locusta migratoria, Ultrastructure.

5499-69

THE NEMATODES DD-136 (NEOAPLECTANA SP.) AND NEOAPLECTANA CARPOCAPSAE WEISER, 1955 (RHABDITOIDEA) AS INSECT PARASITES. A LITERATURE REVIEW. (GE)

O F Niklas

Berlin Biol Bundesanst Land-forstwirtschaft Mitt

(124):1-40 REF

Aug 1967 410.9 G31M

Bacteria, Culture media, Insect diseases, Morphology, Nematodes, Neoplectana, Physiology, Reviews. English abstract.

5500-69

CENTRAL NERVOUS SYSTEM CONTROL OF CIRCADIAN RHYTHMICITY IN THE COCKROACH. II. THE PATHWAY OF LIGHT SIGNALS THAT ENTRAIN THE RHYTHM.

J Nishiitsutsuji-Uwo C S Pittendrigh

Z Vergleichende Physiol 58(1):1-13

1968 444.8 Z3

Blattidae, Central nervous system, Diurnal rhythm, Eyes, Insect physiology, Photosensitization. German summary.

5501-69

CENTRAL NERVOUS SYSTEM CONTROL OF CIRCADIAN RHYTHMICITY IN THE COCKROACH. III. THE OPTIC LOBES, LOCUS OF THE DRIVING OSCILLATION.

J Nishiitsutsuji-Uwo C S Pittendrigh

Z Vergleichende Physiol 58(1):14-46 REF

1968 444.8 Z3

Blattidae, Brain, Central nervous system, Diurnal rhythm, Insect physiology. German summary.

5502-69

EXUDATES OF GERMINATING SPORES OF BACILLUS THURINGIENSIS.

J P W Noordink H P Maas Geesteranus C A Van Den Anker

249-250

1967 SB932.15

Bacillus thuringiensis, Biological control (insects), Culture media, Exudates, Methodology, Pieris brassicae, Spore germination.

5503-69

MORPHOLOGICAL CELL DEATH IN THE POST-EMBRYONIC DEVELOPMENT OF THE INSECT OPTIC LOBES.

R H Nordlander J S Edwards

Nature 218(5143):780

25 May 1968 472 N21

Brain, Central nervous system, Danaus plexippus, Death, Insect histology, Insect morphology.

5504-69

TRIAL OF CARBOPHOS ON LARVAE OF AEDES AND CULEX MOSQUITOES. (RUS)

A A Odincts T A Oktyabrskaya

Med Parazitol Parazitarn Bolezni

37(5,SEP/OCT):609-613 REF

1968 448.8 M469

Aedes, Chemical control (insects), Culex pipiens, DDT, Dosage, Malathion, Organophosphorus compounds. English summary.

5505-69

THE NORWEGIAN SPECIES OF DICHRORAMPHA GN. LEP. TORTRICIDAE.

M Opheim

Opusc Entomol 33(1-2):95-106 REF

1968 421 OP7

Catalogs, Insect taxonomy, Tortricidae, Zoogeography.

5506-69

CONDITIONS DETERMINING THE INITIATION AND DEVELOPMENT OF NUCLEAR POLYHEDROSIS EPIZOOTICS IN LEPIDOPTERA.

E V Orlovskaya

282-283

1967 SB932.15

Epizootic diseases, Insect populations, Lepidoptera, Polyhedrosis, Virus diseases (insects).

5507-69

A LIST OF NAMES OF INSECT CONTROL CHEMICALS TO BE USED IN ENTOMOLOGY RESEARCH DIVISION MANUSCRIPTS.

E M Osborne R L Busbey

Department Of Agriculture, Washington, D. C.

60P

Jun 1966 ASB951.08

Chemical control (insects), Pesticides.

A complete cross index of names to be used, chemical names, and other designations that have been used, and main use is given.

- 5508-69**
PRELIMINARY NOTE ON A CHEMICAL ATTRACTANT FOR THE GRASS GRUB BEETLE (COSTELYTRA ZEALANDICA (WHITE)) FROM THE FLOWERS OF ELDER (SAMBUCUS NIGRA L.).
 G O Osborne C P Hoyt
New Zealand J Sci 2(1):137-139
 Mar 1968 514 N482
 Attractants, *Costelytra zealandica*, Insect traps, *Sambucus nigra*, Scarabaeidae.
- 5509-69**
THE DETERMINATION OF THE INSECTICIDAL ACTIVITY OF AN 8 YEAR OLD SAMPLE OF DDT BY BIOLOGICAL METHOD. (TU)
 A N Ozkazanc
Ankara Univ Vet Fak Dergisi 15(1):92-108
 1968 41.9 AN4D
 Biological assay, *Blattella germanica*, Chlorinated hydrocarbons, DDT, Insecticides, *Musca domestica*, Storage. English abstract
- 5510-69**
PERFUSION FLUID FOR THE SCORPION, HETEROMETRUS FULVIPES.
 B Padmanabhanaidu
Nature 213(5074):410
 28 Jan 1967 472 N21
 Blood, Dorsal vessel, *Heterometrus fulvipes*, Hydrogen-ion concentration, Insect physiology, Scorpionida.
- 5511-69**
THE DEVELOPMENT OF MALE GENITAL DUCTS AND THE ASSOCIATED STRUCTURES IN CALLOSBRUCHUS MACULATUS (F.) (BRUCHIDAE: COLEOPTERA).
 H R Pajni
Panjab Univ Res Bull (N S) 19(1-2):81-88 REF
 Jun 1968 513 EA72
Callosobruchus maculatus, Insect histology, Insect physiology, Reproductive organs.
- 5512-69**
THE LARVAL AND IMAGINAL OENOCYTES OF CALLOSBRUCHUS MACULATUS (F. BRUCHIUS) (COLEOPTERA: BRUCHIDAE).
 H R Pajni
Beitr Entomol 18(1-2):233-238 REF
 1968 421 B392
Callosobruchus maculatus, Circulatory system, Cuticle, Insect biology, Insect histology, Larvae, Molt-ing (insects).
- 5513-69**
A NOTE ON THE METAMORPHOSIS OF THE MID-GUT EPITHELIUM IN CALLOSBRUCHUS MACULATUS (F.) (BRUCHIDAE: COLEOPTERA).
 H R Pajni
Panjab Univ Res Bull (N S) 18(PT 1-2):75-78 REF
 Jun 1967 513 EA72
Callosobruchus maculatus, Embryology, Gastrointestinal system, Insect morphology, Metamorphosis.
- 5514-69**
NEW RECORD OF A BRACONID PARASITE, APANTELES COLEMANI VIERECK., FROM THE LARVAE OF EUPROCTIS LUNATA WALKER.
 S N Pandey
Cur Sci 36(18):498
 20 Sep 1967 475 SC123
Apanteles, *Euproctis lunata*, Larvae, Predaceous insects.
- 5515-69**
ON THE THEORETICAL CONCEPT OF SELF-EXTINCTION OF BARK BEETLES. (TT 68-50402) TRANSL. 17066.
 I V Panishin
 2P
 Biological control (insects), Forest insects, Insect behavior, *Pinus*, Scolytidae. Translated from *Vestnik Sel'skokhozyaistvennoi Nauki* 7(3):133-134, 1962. issued by CFSTI.
- 5516-69**
EVIDENCE OF A NONSPECIFIC TYPE RESISTANCE TO INSECTICIDES BY A RESISTANT STRAIN OF THE TOBACCO BUDWORM.
 T L Pate S B Vinson
J Econ Entomol 61(5):1135-1137 REF
 15 Oct 1968 421 J822
 Biochemistry, Chemical control (insects), Cuticle, DDT, Dosage, *Endrin*, *Heliothis virescens*, Immunity, Injections, Insecticides.
- 5517-69**
AN ATTEMPT TO CORRECT SOME MISTAKES AND MISCONCEPTIONS ABOUT SOME FUNGUS BEETLES AND THEIR HABITATS.
 K Paviour-Smith
Entomologist (london) 102(1271):86-96 REF
 Apr 1969 421 EN8
Cis bilamellatus, *Ganoderma*, Habitats, Insect nutrition.
- 5518-69**
THE BEETLES (COLEOPTERA) OF BABIA GORA MOUNTAIN (POLISH WESTERN CARPATHIANS). (POL)
 J Pawlowski
Acta Zool Cracov 12(16):419-665 MAP REF
 30 Dec 1967 410 AC86
 Coleoptera, Insect collecting equipment, Insect ecology, Insect identification, Insect populations, Insect taxonomy, Zoogeography. English and Russian summaries. more than 8400 specimens representing 891 species were collected.
- 5519-69**
THE EVOLUTION AND BIOLOGICAL SIGNIFICANCE OF MULTIPLE PAIRING IN LEPIDOPTERA.
 R W Pease
Lepidopterists Soc J 22(4):197-209 REF
 1968 421 L554
 Insect biology, Lepidoptera, Spermatophores.
- 5520-69**
NEW STRATEGY AGAINST THE CODLING MOTH.
 C K Peck
World Farming 11(2):6-10
 Feb 1969 30.08 W89
 Apples, Azinphosmethyl, *Carpocapsa pomonella*, Chemical control (insects), Chlorinated hydrocarbons, Cobalt, Diazinon, DDT, Insect pests, Insecticide resistant insects, Insecticides, Isotopes, Organophosphorus compounds, Parathion, Radiation, Sterility.
- 5521-69**
THE CLASSIFICATION OF STRAINS OF BACILLUS THURINGIENSIS ON THE BASIS OF THE ANTIGENIC PATTERNS OF THE TOXIC PROTEIN INCLUSIONS.
 I R Pendleton R B Morrison
 82-85
 1967 SB932.15
Bacillus thuringiensis, Bacteria, Crystallography, Immunology, Insect diseases, Serological tests, Taxonomy.
- 5522-69**
HORMONAL CONTROL OF THE REPRODUCTIVE DIAPAUSE IN THE GRASSHOPPER, OEDIPODA MINIATA.
 M P Pencer M Broza
Experientia 25(4):414-415
 15 Apr 1969 475 EX7
 Acrididae, *Corpora allata*, Hormones, Insect physiology, Reproduction.
- 5523-69**
PEST CONTROL BY THE BIOLOGICAL METHOD.
 P A C R Perera
Ceylon Coconut Planters Rev 5(2):63-73
 Mar 1968 77.8 C333
 Balance of nature, Biological control (insects), Chemical control (insects), Coconuts, Insect pests, Integrated control (insects), Nomenclature. Many coconut pests were discussed and how they are best controlled by the biological method.
- 5524-69**
NEW HORIZONS IN THE FIGHT AGAINST INSECTS. (FR)
 M P Pesson
Rev Zool Agr Appl 00(1-3):1-13
 1968 410.9 SO12
 Biological control (insects), Chemical control (insects), DDT, Insect control, Insect pests, Insect physiology, Insecticide residues.
- 5525-69**
DISASTER AID FOR MOSQUITO CONTROL AGENCIES.
 R F Peters M C Kramer
Calif Vector Views 16(2):15-16
 Feb 1969 449.8 C12
 Culicidae, Government aid, Insect control.
- 5526-69**
RECENT ADVANCES IN THE PHYSIOLOGY AND BIOCHEMISTRY OF PLASMODIA.
 W Peters
Trop Dis Bull 66(1):1-29 REF
 Jan 1969 448.8 T752
 Biochemistry, Culicidae, Insect vectors, Malaria, Parasitism, Physiology, Plasmodium, Protozoa.
- 5527-69**
SIMULTANEOUSLY EFFECTIVE ANTI-FUNGAL AND INSECTICIDAL OR ACARICIDAL PESTICIDES. PATENT 3,450,818.
 M Pianka J D Edwards
Us Patent Office Offic Gaz 863(3):902
 17 Jun 1969 156.65 OF2
 Acaricides, Fungicides, Insect pests, Microorganisms, Patents, Pesticides.
- 5528-69**
IONIC COMPOSITION OF HAEMOLYMPH AND NERVOUS FUNCTION IN THE COCKROACH, PERIPLANETA AMERICANA L.
 Y Pichon J Boistel
J Exp Biol 49(1): 31-38 REF
 Aug 1968 442.8 B77
 Haemolymph, Insect physiology, Ions, Nervous system, *Periplaneta americana*, Potassium.
- 5529-69**
OOGENESIS IN THE PARTHENOGENETIC STICK INSECT SIPYLOIDEA SIPYLUS WESTWOOD (ORTHOPTERA, PHASMIDAE).
 L P Pijnacker
Genetica 38(4):504-515
 1967 442.8 G282
 Chromosomes, Cytology, Cytoplasm, Insect identification, Meiosis, Oogenesis, Parthenogenesis, Phasmatidae, Reproduction.
- 5530-69**
STERILIZING EFFECT OF A PHOSPHORAMIDE ON CULEX FATIGANS WEID.
 M K K Pillai K K Grover
Cur Sci 37(9):257-258
 05 May 1968 475 SC123
 Chemosterilants, *Culex pipiens quinquefasciatus*, Mortality, Phosphoric triamide.
- 5531-69**
THE DECARBOXYLATION OF LUCIFERIN IN FIREFLY BIOLUMINESCENCE.
 P J Plant E H White W D McElroy
Biochem Biophys Res Commun 31(1):98-103 REF
 05 Apr 1968 442.8 B5236

Adenosine triphosphates, Biochemistry, Decarboxylases, Enzymes, Luciferins, Luminescence, Oxidation-reduction potential, Photinus.

5532-69

INSECTICIDE RESISTANCE IN THE HOUSE FLY: DECREASED RATE OF ABSORPTION IS THE MECHANISM OF ACTION OF A GENE THAT ACTS AS AN INTENSIFIER OF RESISTANCE.

F W Plapp R F Hoyer

J Econ Entomol 61(5):1298-1303 REF

15 Oct 1968 421 J822

Absorption, Biochemistry, Chemical control (insects), Dieldrin, DDT, Genes, Insect genetics, Insecticides, *Musca domestica*, Parathion.

5533-69

DESCRIPTION AND TAXONOMIC POSITION OF THE DD-136 NEMATODE (STEINERNEMATIDAE, RHABDITOIDEA) AND ITS RELATIONSHIP TO NEOAPLECTANA CARPOCAPSAE WEISER.

G O Poinar

Helminthol Soc Wash Proc 34(2):199-209 REF

Jul 1967 436.9 H36

Host relationships, Insect nematodes, Morphology, Nematodes, Neoaplectana, Taxonomy.

5534-69

DEVELOPMENT OF VIRUS ANTIGEN IN TISSUES OF PIERIS BRASSICAE INOCULATED WITH TIPULA IRIDESCENT VIRUS.

M B Ponsen

86-89

1967 SB932.15

Antigens, Blood cells, Fluorescent antibody technique, Insect diseases, Metamorphosis, *Pieris brassicae*, *Tipula iridescens* virus, Tissue culture, Virology.

5535-69

ELECTRON MICROSCOPY OF THE DEVELOPMENT OF THE LINING OF THE SPOROBLAST IN THE COCCIDIAN COELOTROPHA DURCHONI. (FR)

E Porchet-Hennere

Acad Sci Compt Rend Ser D Sci Nat 267(22, 2ND SEMESTER):1856-1857

25 Nov 1968 505 P21

Coccidiosis, Cytology, Electron microscopy, Spores.

5536-69

FOODPLANTS OF CALLOPHRYX (INCISALIA) IROIDES.

J A Powell

Lepidopterists Soc J 22(4):225-226

1968 421 L554

Food plants, *Incisalia iroides*, Insect nutrition, *Lycanidia*.

5537-69

ON THE USE OF BACILLUS THURINGIENSIS-INSECTICIDE COMBINATIONS TO CONTROL INSECT PESTS.

W P Pristavko

212-214 REF

1967 SB932.15

Bacillus thuringiensis, Biological control (insects), Chemical control (insects), Chlorinated hydrocarbons, DDT, Insect pests, Insecticides.

5538-69

THE MASS PRODUCTION OF BEAUVERIA BASSIANA.

W P Pristavko V M Goral

118-119 REF

1967 SB932.15

Beauveria bassiana, Biological control (insects), Fungi, Fungus cultures, Methodology.

5539-69

REPEATED PREGNANCY AND DURATION OF THE GESTATION PERIOD IN THE SCORPION, ISOMETRUS MACULATUS DE GEER (FAM., BUTHIDAE). (GE)

P Probst

Rev Suisse Zool 75(4):1066-1070

Dec 1968 410 R324

Buthidac, Insect physiology, Insect reproduction, *Isometrus maculatus*.

5540-69

PHYTOPHAGOUS MITES; SPECIES OF WIDEST DISTRIBUTION IN ARGENTINA. (SP)

R H Quintanilla O G Cordoba

Biblioteca Central, Buenos Aires, Argentina 59P REF

1967 QL458.A2Q5

Acaricides, Insect morphology, Insect physiology, Insect taxonomy, Mites, Zoogeography.

5541-69

DIPTERA LARVAE IN SOIL TREATED WITH ORGANIC AND MINERAL FERTILIZERS. (I). FAMILY ASILIDAE-DIPTERA-BRACHYCERA. (RUM)

V Gh Radu F Dan

Cluj Univ Babeş Bolyai Stud Ser Biol 13(1):69-74 REF

1968 442.9 C62

Asilidae, Asilus, Brachycera, Diptera, Fertilizers, Insect morphology, Insect taxonomy, Larvae, Lasiopogon, Leptogaster, *Machimus*, *Philonicus*, Soil treatment. French and Russian summaries.

5542-69

OBSERVATIONS ON THE OXYGEN CONSUMPTION OF TSETSE LARVAE (GLOSSINA MORSITANS).

P K Rajagopal

Rhodesia, Zambia, Malawi J Agr Res 6(1):60-61

1968 24 R3472

Glossina morsitans, Insect metabolism, Insect respiration, Oxygen.

5543-69

AN APPARENT DISCONTINUITY IN THE RELATION BETWEEN TEMPERATURE AND THE RESPIRATORY RATE OF TSETSE PUPAE. (GLOSSINA MORSITANS).

P K Rajagopal

Rhodesia, Zambia, Malawi J Agr Res 6(1):59

1968 24 R3472

Glossina morsitans, Insect respiration, Temperature.

5544-69

AN ENTEROBRYUS (TRICHOMYCETES, EC-CRINALES) IN A MILLIPED.

C Rajagopalan

Cur Sci 36(1):20-22

05 Jan 1967 475 SCI23

Diplopoda, Fungus diseases (insects), Taxonomy.

5545-69

ANTENNAL PULSATILE ORGANS IN SCOLOPENDRA MORSITANS (CHILOPODA:MYRIAPODA).

G S Rajulu

Cur Sci 36(9):242-243

05 May 1967 475 SCI23

Antennae, Chilopoda, Heart rate, Insect histology, Insect physiology.

5546-69

EFFECT OF NATURAL PARASITIZATION ON THE POPULATION OF PADDY GALLFLY, PACHYDIPLOSI ORYZAE MANI.

E Ramiah

Allahabad Farmer 42(5):263-267

Sep 1968 22 AL5

Biological control (insects), Insect pests, *Pachydiplosis oryzae*, Parasitism, Rice. Four other, less promising parasites are identified.

5547-69

CODLING MOTH CONTROL WITH CARBOFURAN.

I A Rammer E A Kurtz

J Econ Entomol 62(2):356-357

15 Apr 1969 421 J822

Apples, Carbofuran, *Carpocapsa pomonella*, Chemical control (insects), Chlorinated hydrocarbons, Dosage, Insect pests, Pears, Walnuts.

5548-69

SYNOPTIC TABLES OF LARVAE AND IMAGOS OF THE SPECIES OF THE FAMILY CHRYSOTRIBAX REITTER. (COL. CARABIDAE). (FR)

P Raynaud

Entomops (9):1-16 REF

28 Sep 1967 QL461.E53

Carabidae, Insect taxonomy, Larvae, Metamorphosis, Ontogeny, Zoogeography.

5549-69

THE INFLUENCE OF SITE APPLICATION ON THE TOXICITY OF INSECTICIDES IN RED COTTON BUG, DYSDERCUS CINGULATUS, F. G Reddy M B Naidu

Indian J Entomol 29(4):325-328

Dec 1967 420 IN23

Dinitroresol, DDT, *Dysdercus cingulatus*, Insecticide application, Insecticides, *Schistocerca gregaria*, Toxicology.

5550-69

RESPONSE OF THE STRIPED LYNX SPIDER, OXYOPES SALTICUS, TO TWO COMMONLY USED PESTICIDES.

K R Redmond J R Brazzel

J Econ Entomol 61(1):327-328

Feb 1968 421 J822

DDT, Methyl parathion, *Oxyopes salticus*, Toxaphene. Toxaphene-DDT mixture used.

5551-69

LINDANE: METABOLISM TO A NEW ISOMER OF PENTACHLOROCYCLOHEXENE. (ABSTRACT).

W T Reed A J Forghash

Excerpta Med Pharm Toxicol 21(12):600

Dec 1968 241.64 EX23

Biochemistry, Chlorinated hydrocarbons, Chromatography, Insect physiology, Insecticides, Isomerism, Lindane, Metabolism, *Musca domestica*, Pentachlorocyclohexene, Spectroscopy. From Science, 1968, 160/3833,(1232).

5552-69

LINDANE: METABOLISM TO A NEW ISOMER OF PENTACHLOROCYCLOHEXENE.

W T Reed A J Forghash

Science 160(3833):1232

14 Jun 1968 470 SCI2

Chemical control (insects), Chlorinated hydrocarbons, Insect biochemistry, Insect metabolism, Insecticide resistant insects, Insecticides, Lindane, *Musca domestica*, Pentachlorocyclohexene.

5553-69

THE ALARM-DEFENCE SYSTEM OF THE ANT ACANTHOMYOPS CLAVIGER.

F E Regnier E O Wilson

J Insect Physiol 14(7):955-970 REF

Jul 1968 421 J825

Acanthomyops claviger, Biochemistry, Formic acid, Insect protective devices, Pheromones, Volatile substances.

5554-69

HEART POISONS IN THE MONARCH BUTTERFLY.

T Reichstein J von Euw J A Parsons M Rothschild

Science 161(3844):861-866

30 Aug 1968 470 SCI2

Asclepias, Danaidae, *Danaus plexippus*, Dorsal vessel, Insect biochemistry, Insect nutrition, Poisons, Toxicology.

5555-69

ANATEA, AN ANT-MIMICKING THERIDIID SPIDER FROM NEW CALEDONIA (ARANEAE: THERIDIIDAE).

J Reiskind H W Levi

Psyche 74(1):20-23

Mar 1967 421 P95

Araneae, Formicidac, Insect behavior, Insect morphology, Insect taxonomy, Mimicry, New Caledonia.

- 5556-69
SOME NOTES ON THE REARING OF USEFUL INSECTS. (CZ)
J Rekos
Pol'nohospodarstvo 14(10):806-808
1968 19.5 P752
Beneficial insects, Insect cultures, Insect rearing.
- 5557-69
SEASONAL DEVELOPMENT AND HABITS OF PSEUDOPITYOPHTHORUS SPP. (COLEOPTERA: SCOLYTIDAE) IN SOUTHERN OHIO.
C O Rexrode
Can Entomol 101(3):306-313
Mar 1969 421 C16
Forest insects, Insect physiology, Scolytidae.
- 5558-69
FLEA CTENOPHTHALMUS: HETEROGENEOUS HEXAGONALLY ORGANIZED LAYER IN THE MIDGUT.
A G Richards P A Richards
Science 160(3826):423-426
26 Apr 1968 470 SC12
Biochemistry, Cells, Chemicals, Ctenophthalmus, Electron microscopy, Gastrointestinal system, Insect anatomy, Insect physiology, Muscles, Stomach, Tissues.
- 5559-69
TWO METHODS OF OPERATING A VACUUM SAMPLER TO SAMPLE POPULATIONS OF THE COTTON FLEAHOPPER ON WILD HOSTS.
C A Richmond H M Graham
J Econ Entomol 62(2):525-526
15 Apr 1969 421 J822
Herbs, Insect collecting equipment, Insect populations, Methodology, Psallus seriatus, Shrubs.
- 5560-69
ARTIFICIAL DIET FOR CECROPIA AND OTHER SATURNIID SILKWORMS.
L M Riddiford
Science 160(3835):1461-1462 REF
28 Jun 1968 470 SC12
Bombyx mori, Food habits, Hyalophora cecropia, Insect nutrition, Samia cynthia, Wheat germ.
- 5561-69
THE NATURAL AND ARTIFICIAL DISPERSION OF PATHOGENS.
C F Rivers
252-263 REF
1967 SB932.15
Biological control (insects), Insect diseases, Insect populations, Viruses.
- 5562-69
ULTRASTRUCTURE OF THE SECRETORY INCLUSIONS OF THE SALIVARY GLAND CELL IN DROSOPHILA.
T M Rizki
J Cell Biol 32(2):531-534
Feb 1967 442.8 J828
Cytology, Drosophila, Electron microscopy, Inclusion bodies, Salivary glands (insects), Secretions.
- 5563-69
MAINTENANCE OF IMAGINAL DISCS OF DROSOPHILA MELANOGASTER IN CHEMICALLY DEFINED MEDIA.
J A Robb
J Cell Biol 41(3):876-885 REF
Jun 1969 442.8 J828
Biochemistry, Culture media, Drosophila melanogaster, Tissue culture.
- 5564-69
SOME EFFECTS OF METARRHIZIUM ANISOPLIAE AND ITS TOXINS ON MOSQUITO LARVAE.
D W Roberts
243-246
1967 SB932.15
Biological control (insects), Culicidae, Fungus diseases (insects), Larvae, Metarrhizium anisopliae, Toxicology.
- 5565-69
SUBSTANCES THAT ATTRACT CAGED HONEYBEE COLONIES TO CONSUME POLLEN SUPPLEMENTS AND SUBSTITUTES.
F A Robinson J L Nation
J Apicult Res 7(2):83-88 REF
1968 424.8 J82
Acetone, Apis mellifera, Attractants, Insect cages, Insect diets, Insect nutrition, Lipids, Pollen, Volatile substances.
- 5566-69
THE USE OF RADIOACTIVITY FOR THE ASSESSMENT OF DOSE IN BIOASSAYS INVOLVING BACTERIAL INSECT PATHOGENS.
A H Rogers A G White J Wolf N H E Gibson
296-302
1967 SB932.15
Bacterial diseases (insects), Biological assay, Dosage, Methodology, Radioactive tracers.
- 5567-69
ACCESSORY GLANDS OF FEMALE CULEX PIPIENS QUINQUEFASCIATUS SAY AND AUTOGENOUS CULEX PIPIENS L. (DIPTERA, CULICIDAE): APPEARANCE AND BEHAVIOR IN RELATION TO OOGENESIS.
B Rosay
J Med Entomol 5(4):478-482 REF
30 Oct 1968 421 J828
Culex pipiens pipiens, Culex pipiens quinquefasciatus, Culicidae, Glands (insects), Insect behavior, Insect physiology, Medical entomology, Oogenesis.
- 5568-69
DISHABITUATION AND AROUSAL IN THE RESPONSE OF SINGLE NERVE CELLS IN AN INSECT BRAIN.
C H F Rowell G Horn
J Exp Biol 49(1):171-183 REF
Aug 1968 442.8 B77
Brain, Central nervous system, Insect physiology, Schistocerca gregaria.
- 5569-69
NOTE ON THE DEPARTMENT PARTICULARLY TOWARDS THE DEAD IN COPTOTERMES INTERMEDIUS SILVESTRI (ISOPTERA RHINOTERMITIDAE). (FR)
J Roy-Noel
Insectes Sociaux 14(4):349-350
Dec 1967 421 IN79
Coptotermes intermedius, Insect behavior, Social insects, Termites.
- 5570-69
THE BIOLOGY OF SCRAPTER AND ITS CUCKOO BEE, PSEUDODICHRIDA (HYMENOPTERA: COLLETIDAE) AND ANTHROPHORIDAE).
J G Rozen C D Michener
Amer Mus Novitates 2335:1-13
19 Jul 1968 500 N483N
Apoidea, Insect behavior, Insect biology, Parasitic insects, Scrapper.
- 5571-69
ACTIVATION OF THE MYOFIBRILLAR ATPASE ACTIVITY BY EXTENSION OF GLYCEROLEXTRACTED INSECT FIBRILLAR MUSCLE.
J C Ruegg H Stumpf
Pflugers Arch Gesamte Physiol Menschen Tiere 305(1):34-46 REF
1969 447.8 AR2
Adenosine triphosphatase, Glycerol, Insect biochemistry, Insect flight, Muscles, Tension.
- 5572-69
THE COUPLING OF POWEROUTPUT AND MYOFIBRILLAR ATPASE ACTIVITY IN GLYCEROL-EXTRACTED INSECT FIBRILLAR MUSCLE AT VARYING AMPLITUDE OF ATP-DRIVEN OSCILLATION.
J C Ruegg H Stumpf
Pflugers Arch Gesamte Physiol Menschen Tiere 305(1):21-33 REF
1969 447.8 AR2
Adenosine triphosphatase, Energy, Glycerol, Insect biochemistry, Insect flight, Muscles.
- 5573-69
COLONIZATION OF TWO SPECIES OF FLORIDA CHIRONOMIDS.
J P Ruff
Fla Anti-mosquito Ass Rep 39:61-62 REF
1968 420 F663
Biological control (insects), Chironomidae, Chironomus carus, Chironomus crassicaudatus, Glyptotendipes paripes, Insect eggs.
- 5574-69
AN INSTRUMENT TO HOLD RABBITS FOR BLOOD SUCKING SIMULIID EXPERIMENTS. (G)
W Ruhm
Angew Parasitol 09(1):41-44
Feb 1968 436.8 AN4
Equipment, Insect nutrition, Insect rearing equipment, Methodology, Rabbits, Simuliidae. German, Russian, and English abstract
- 5575-69
UTILIZATION OF BACILLUS THURINGIENSIS IN THE CONTROL OF PORTHETRIA DISPAR IN SPAIN. (FR)
A Ruperch
266-274 REF
1967 SB932.15
Bacillus thuringiensis, Biological control (insects), Methodology, Porthetria dispar.
- 5576-69
VAPONA FOR THE CONTROL OF MUSEUM PESTS.
R E Ryckman
J Med Entomol 6(1):98
30 Jan 1969 421 J828
Chemical control (insects), Dermestidae, Dichlorvos, Insect pests, Insecticide application, Medical entomology, Triatoma dimidiata.
- 5577-69
ZOOLOGICAL NOMENCLATURE IN THE JET AGE.
C W Sabrosky
Helminthol Soc Wash Proc 34(2):236-240
Jul 1967 436.9 H36
Nomenclature, Taxonomy, Zoology.
- 5578-69
NEST ARCHITECTURE AND BROOD DEVELOPMENT IN A NEOTROPICAL BUMBLEBEE, BOMBUS ATRATUS.
S F Sakagami Y Akahira R Zucchi
Insectes Sociaux 14(4):389-414 REF
Dec 1967 421 IN79
Bombyx, Insect behavior, Insect breeding, Insect rearing, Nesting. German summary
- 5579-69
PHYSIOLOGICAL STUDIES ON THE DIGESTION OF COCCINELLID BEETLES (COLEOPTERA: COCCINELLIDAE), WITH SPECIAL REFERENCE TO THEIR FOOD HABITS.
H Sakurai
Appl Entomol Zool 3(3):130-138 REF
Sep 1968 SB599.A6
Coccinellidae, Food habits, Insect biology, Insect metabolism, Phytophagous insects, Predaceous insects.
The following species were tested: Coccinella septempunctata bruckii, Harmonia axyridis, Chilocorus kuwanae, Rodolia cardinalis, Epilachna vigintipunctata and E. vigintiomaculata.
- 5580-69
LIMITATION OF THE COLORADO BEETLE BY NEMATODES AND PROSPECTS FOR THEIR PRACTICAL UTILIZATION.
H Sandner S Stanuszek

5581-69

210-212

1967 SB932.15

Biological control (insects), Culture media, Diplogaster, Insect diseases, Leptinotarsa decemlineata, Nematode vectors.

5581-69

A NEW APHID HOST OF APHELINUS MALI (HALDEMAN) IN INDIA.

T S Sankaran

Cur Sci 36(8):216-217

20 Apr 1967 475 SCI23

Aphelinus mali, Aphis gossypii.

5582-69

OCCURRENCE OF ANTIMICROBIAL SUBSTANCE IN THE EXUDATE OF PHYSOGASTRIC QUEEN TERMITE TERMES REPEMANNI WASSMANN.

A Sannasi G S Rajulu

Cur Sci 36(16):436-437

20 Aug 1967 475 SCI23

Aspergillus flavus, Fungicides, Insect biochemistry, Insect biology, Isoptera, Secretions.

5583-69

BEHAVIORAL ADAPTATIONS OF CRYPTIC MOTHS. I. PRELIMINARY STUDIES ON BARK-LIKE SPECIES.

T D Sargent R R Kciper

Lepidopterists Soc J 23(1):1-9

1969 421 L554

Geometridae, Insect adaptation, Insect behavior, Moths, Noctuidae. Many species of moths are discussed.

5584-69

CRYPTIC MOTHS: EFFECTS ON BACKGROUND SELECTIONS OF PAINTING THE CIRUMOCULAR SCALES.

T D Sargent

Science 159(3810):100-101

05 Jan 1969 470 SCI2

Insect behavior, Insect genetics, Moths, Scales (insects).

5585-69

POSTEMBRYONIC DEVELOPMENT OF THE BRAIN OF MUSCA DOMESTICA.

R C Satija M L Sharma

Panjab Univ Res Bull (N S) 19(1-2):71-80 REF

Jun 1968 513 EA72

Brain, Insect physiology, Metamorphosis, Musca domestica.

5586-69

BRAIN OF APHIS GOSSYPHII GLOVER.

R C Satija S K Dhindsa

Panjab Univ Res Bull (N S) 19(1-2):39-45

Jun 1968 513 EA72

Aphis gossypii, Brain, Insect morphology.

5587-69

MORPHOLOGY AND HISTOLOGY OF THE BRAIN OF MYLABRIS PHALERATA.

R C Satija S Tangri

Panjab Univ Res Bull (N S) 19(1-2):123-129

Jun 1968 513 EA72

Brain, Bruchidae, Insect histology, Insect morphology.

5588-69

VISUAL CENTERS DURING POSTEMBRYONIC LIFE OF CALLOSBRUCHUS MACULATUS (F.).

R C Satija R P Kaur

Panjab Univ Res Bull (N S) 19(1-2):101-112 REF

Jun 1968 513 EA72

Brain, Callosobruchus maculatus, Eyes, Insect physiology, Larvae, Metamorphosis, Pupae.

5589-69

CONTRIBUTIONS TO THE STUDY OF THE BIOMETRIC CHARACTERISTICS OF THE SILKWORM AS INFLUENCED BY NUTRITION. (POR)

E Scarpelli P Abramides O C Abrev

Bol Tec Sericult (49):13P

1967 425.9 SA6B

Biometry, Bombyx mori, Insect nutrition, Morus, Statistical analysis. English summary.

5590-69

PASTURE MOSQUITO RESISTANCE IN CALIFORNIA.

C H Schaefer

Pest Contr 37(1):36-37

Jan 1969 449.8 EX8

Aedes nigromaculis, Carbamates, Chemical control (insects), Chlorinated hydrocarbons, Insecticide resistant insects, Organophosphorus compounds, Pastures. Dursban, fenthion, abate, baygon, ethyl parathion and methyl parathion were tested.

5591-69

STUDIES ON THE MODE OF ACTION OF THE CHEMOSTERILANTS 5-IMIDAZOLIDINONE AND 4-IMIDAZOLIN-2-ONE IN THE HOUSE FLY AND IN THE LARGE MILKWEED BUG.

C H Schaefer

Life Sci 6(24,PT 2):2677-2683

15 Dec 1967 442.8 L62

Chemosterilants, Imidazolidinone, 5-, Imidazolin-2-one, 4-, Insect physiology, Musca domestica, Oncopterus fasciatus.

5592-69

CHANGES IN THE CONTENT OF FIXED AMINO ACIDS IN TISSUES OF SILK WORM DURING DEVELOPMENT. (RUS)

L I Schegoleva J B Filippovich

Biokhimiya 33(3,MAY-JUN):488-492 REF.

1968 385 B523

Amino acids, Bombyx mori, Fat body, Hemolymph, Insect biology, Metamorphosis, Tissues. English summary.

5593-69

CONTROL OF HOUSEHOLD INSECTS.

R A Scheibner F Parker

Ky Univ Ext Home Econ (S-206B):11P

1969 275.29 K415H

Chemical control (insects), Dried food, Household insects, Insect identification, Insect pests, Insecticide application, Insecticides, Sanitation, Stored products.

5594-69

ON THE BIOSYNTHESIS OF CANTHARIDINS. I. (GE)

C. Schlatter E E Waldner H Schmid

Experientia 24(10):994-995

15 Oct 1968 475 EX7

Biochemistry, Cantharides, Cantharidin, Lytta vesicatoria, Meloidae, Metabolism, Radiobiology.

5595-69

THE SPIKE-FREQUENCY IN MOTOR NEURONS OF THE COCKROACH PERIPLANETA AMERICANA L. (GE)

W R Schule

Experientia 23(1):38-39

15 Jan 1967 475 EX7

Insect physiology, Nerves, Periplaneta americana. English abstract

5596-69

SOUNDS PRODUCED BY NEPTIS HYLAS (NYMPHALIDAE).

F W Scott

Lepidopterists Soc J 22(4):254

1968 421 L554

Insect behavior, Nymphalidae, Stridulation.

5597-69

INHIBITION OF DNA-DEPENDENT RNA POLYMERASE BY THE EXOTOXIN OF BACILLUS THURINGIENSIS VAR. GELECHIAE.

K Sebesta K Horska

Biochim Biophys Acta 169(1):281-282

20 Nov 1968 381 B522

Adenosine triphosphates, Bacillus thuringiensis, Biochemistry, Deoxyribonucleic acid, Escherichia coli, Inhibitors, Ribonucleic acid, Toxins.

5598-69

INTRACELLULAR CONCENTRATION OF ELECTROLYTES IN THE HOUSEFLY.

H H Shatory

Nature 222(5188):82

05 Apr 1969 472 N21

Blood composition, Blood volume, Electrolytes, Haemolymph, Insect physiology, Musca domestica, Potassium, Sodium.

5599-69

PARASITES AS VECTORS OF GRANULOSIS VIRUS OF HADENA SORDIDA BKH.

T A Shekhrina

279-280

1967 SB932.15

Disease transmission, Epizootic diseases, Granulosis, Hadenia sordida, Insect diseases, Parasitism, Viruses.

5600-69

INTRASPECIES COMPETITION IN A FIELD POPULATION OF GREGOPIPLA HIMALAYENSIS (HYMENOPTERA: ICHNEUMONIDAE) PARASITIC ON MALACOSOMA NEUSTRIA TESTACEA (LEPIDOPTERA: LASIOCAMPIDAE).

M Shiga A Nakanishi

Res Population Ecol 10(1):69-86 REF

Jun 1968 420 K99

Gregopimpla himalayensis, Ichneumonidae, Insect ecology, Larvae, Lasiocampidae, Malacosoma neustria, Mortality, Parasitic insects, Population, Reproduction. Japanese summary

5601-69

MICHIGAN'S PRIORITY WAR ON MOSQUITOES.

M Shinkle

Pest Contr 37(4):15-17

Apr 1969 449.8 EX8

Biological control (insects), Chemical control (insects), Chlorinated hydrocarbons, Culicidae, DDT, Insect pests, Insect vectors, Insecticide residues, Insecticides, Legislation.

5602-69

A MODEL OF THE PLANT-TO-PLANT MOVEMENT OF APHIDS. II. ESTIMATION OF PARAMETERS AND THE APPLICATION.

M Shiyomi

Res Population Ecol 10(1):105-114 REF

Jun 1968 420 K99

Aphididae, Barley, Insect ecology, Parameters, Rhopalosiphum maidis. Japanese summary.

5603-69

SEX PHEROMONES OF NOCTUID MOTHS. XIII. CHANGES IN PHEROMONE QUANTITY, AS RELATED TO REPRODUCTIVE AGE AND MATING HISTORY, IN FEMALES OF SEVEN SPECIES OF NOCTUIDAE (LEPIDOPTERA).

H H Shorey S U McFarland L K Gaston

Entomol Soc Amer Ann 61(2):372-376 REF

15 Mar 1968 420 EN82

Hormones, Insect behavior, Insect eggs, Noctuidae, Pheromones, Pupae, Sex behavior.

5604-69

OXIDATIVE METABOLISM OF C14-LABELED BAYGON BY LIVING HOUSE FLIES AND BY HOUSE FLY ENZYME PREPARATIONS.

S P Shrivastava M Tsukamoto J E Casida

J Econ Entomol 62(2):483-498 REF

15 Apr 1969 421 J822

Carbon isotopes, Enzymes, Insect metabolism, Isopropoxyphenyl methylcarbamate, o-, Musca domestica, Oxidation, Radioactive isotopes, Synergism. The author lists the chemicals, synergists, enzymes and the distribution of radiocarbons in the house flies.

5605-69

ALTERATION OF SOME PROPERTIES OF BACILLUS THURINGIENSIS BY MEANS OF PASSAGES THROUGH THE INSECTS AND CULTIVATION ON NUTRIENT MEDIA.

O I Shvetzova E R Zurabova

- 216-217
1967 SB932.15
Bacillus thuringiensis, Bacterial diseases (insects), Culture media, Galleria mellonella, Hadena sordida, Mamestra brassicae, Morphology.
- 5606-69**
THE OXYGEN BINDING PROPERTIES OF SOME LARVAL HEMOGLOBINS OF CHIRONOMUS TH. THUMMI. (GE)
H Sick K Gersonde
European J Biochem 7(2):273-279 REF
Jan 1969 QP501.E8
Biochemistry, Chironomus thummi, Hemoglobin, Hydrogen-ion concentration, Insect physiology, Mathematical analysis, Oxygen, Polymerization. English summary
- 5607-69**
RESISTANCE OF CHAOBORUS LIGHT. LARVAE TO LACK OF FOOD.
A Sikorowa
Ekol Pol Ser A (SER A)16(10):243-251 REF
1968 512 W263
Aquatic insects, Chaoborus, Insect nutrition, Insect physiology, Lakes, Larvae. Polish summary.
- 5608-69**
THE BEHAVIOUR OF CHAOBORUS LIGHT. LARVAE UNDER UNFAVOURABLE OXYGEN CONDITIONS.
A Sikorowa
Ekol Pol Ser A (SER A)16(7):185-192
1968 512 W263
Aquatic insects, Chaoborus, Insect physiology, Lakes, Larvae, Oxygen. Polish summary
- 5609-69**
CELL CULTURES DERIVED FROM LARVAE OF AEDES ALBOPICTUS (SKUSE) AND AEDES AEGYPTI (L.).
K R P Singh
Cur Sci 36(19):506-508 REF
05 Oct 1967 475 SCI23
Aedes aegypti, Aedes albopictus, Cytology, Larvae.
- 5610-69**
LIFE-HISTORY AND BIOLOGY OF TABANUS RUBIDUS.
S Singh
Panjab Univ Res Bull (N S)19(1-2):113-122
Jun 1968 513 EA72
Feeding, Insect behavior, Insect biology, Tabanus rubidus.
- 5611-69**
CYTOCHEMICAL STUDIES ON THE NEUROSECRETORY CELLS OF THE BRAIN OF LABIDURA RIPARIA PALLAS (DERMAPTERA).
C L Singla
Panjab Univ Res Bull (N S)19(1-2):247-248
Jun 1968 513 EA72
Brain, Cells, Cytology, Insect biochemistry, Labidura riparia, Phase-contrast microscopy, Secretion.
- 5612-69**
EFFECT OF STARVATION ON THE SCORPION PALAMNAEUS BENGALENSIS.
R C Sinha M S Kanungo
Physiol Zool 40(4):386-390
Oct 1967 410 P56
Amino acids, Glycogen, Insect biochemistry, Insect morphology, Proteins, Scorpionida, Starvation, Water.
- 5613-69**
SOME FACTORS THAT CONDITION FEEDING IN LARVAE OF THE MIGRATORY LOCUST, LOCUSTA MIGRATORIA MIGRATORIOIDES (ORTHOPTERA, ACRIDIDAE). I. EXTERNAL FACTORS. (FR)
Y Sinoir
Entomol Exp Appl 11(2):195-210 REF
1968 421 EN895
Cellulose, Excreta, Insect diets, Insect metabolism, Locusta migratoria migratorioides. English summary.
- 5614-69**
RATIONAL PESTICIDE APPLICATION. (IT)
G Sitta
Agr Ferrarese 71(2):31-39
28 Feb 1967 16 AG87
Beneficial insects, Biological control (insects), Costs, Fruit culture, Insect pests, Pesticide application.
- 5615-69**
INFLUENCE OF TEMPERATURE ON THE RATE OF DEVELOPMENT OF SIX VARIETIES OF THE BACILLUS CEREUS GROUP.
W A Smirnoff
125-130
1967 SB932.15
Bacillus cereus, Bacillus thuringiensis, Culture media, Growth factors, Temperature.
- 5616-69**
THE ROLE OF PHYTOCIDES ON THE PATHOLOGY OF THE PHYTOPHAGOUS INVERTEBRATES.
W A Smirnoff
179-180
1967 SB932.15
Biological control (insects), Disease transmission, Insect diseases, Insect pests, Plant extracts, Plant pest control.
- 5617-69**
THE BLACK FLY, SIMULIUM VENUSTUM, ATTRACTED TO THE TURTLE, CHELYDRA SERPENTINA.
S M Smith
Entomol News (philadelphia) 80(4):107-108
Apr 1969 421 EN88
Insect behavior, Simulium venustum, Turtles.
- 5618-69**
COLLECTING METHOD AND PRELIMINARY ANALYSIS OF THE SOLUBLE SALIVARY SECRETIONS OF THE PLANTHOPPERS.
K Segawa
Appl Entomol Zool 3(3):152-154 REF
Sep 1968 SB599.A6
Insect biology, Laodelphax striatellus, Methodology, Nilaparvata lugens, Phytophagous insects, Salivary glands (insects), Secretions.
- 5619-69**
EFFECT OF INSECTICIDE POISONING ON CHEMORECEPTION IN THE HOUSE FLY, MUSCA DOMESTICA VICINAL. (DIPTERA: MUSCIDAE).
S A Soliman
Soc Entomol Egypte Bull 49:243-257
1966 420 EG9
Chemotropism, DDT, Musca domestica, Parathion.
- 5620-69**
DOMESTIC QUARANTINE NOTICES. WHITE-FRINGED BEETLE.
J F Spears
Fed Regist 34(92):7643-7649
14 May 1969 L1.451
Graphognathus, Infestation, Insect pests, Quarantine, Regulations.
- 5621-69**
SEMINAL LOSS IN REPEATEDLY MATED FEMALE AEDES AEGYPTI.
A Spiceman M G Leahy V Skaff
Biol Bull 132(3):404-412 REF
Jun 1967 442.8 B52
Aedes aegypti, Insect behavior, Mating, Semen.
- 5622-69**
APPARENT DDT TOLERANCE IN AN AQUATIC INSECT DISPROVED BY TEST.
J B Sprague
Can Entomol 100(3):279-284 REF
15 Mar 1968 421 C16
Aquatic insects, DDT, Ephemeroptera, Insecticide resistant insects, Plecoptera.
- 5623-69**
FEEDING MECHANISM OF A FRUIT-SUCKING MOTH OTHREIS MATERNA (LEPIDOPTERA: NOCTUIDAE).
R P Srivastava J K Bogawat
Ann Mag Natur Hist 3(2, APR-JUN):165-181 REF
Jun 1969 410 AN77
Food habits, Insect adaptation, Insect morphology, Mouth parts, Museles, Noctuidae.
- 5624-69**
EMIGRATION AND MORTALITY RATES AND THE FOOD-SHELTER CONDITIONS OF LIGIDIUM HYPNORUM L. (ISOPODA).
A Stachurski
Ekol Pol Ser A (SER A)16(21):445-460
1968 512 W263
Insect migration, Insect nutrition, Isopoda, Mortality. Polish summary.
- 5625-69**
THE STUDY OF VIRUS EPIZOOTICS IN INSECT POPULATIONS.
G R Stairs
275-279 REF
1967 SB932.15
Epizootic diseases, Histopathology, Insect diseases, Insect populations, Polyhedroses, Viruses.
- 5626-69**
MOSQUITO COLLECTIONS IN A HIGH RAIN-FALL AREA OF NORTH QUEENSLAND, 1963-1964.
H A Standfast G J Barrow
J Med Entomol 6(1):37-43 MAP REF
30 Jan 1969 421 J828
Climate, Culex annulirostris, Culicidae, Insect vectors, Medical entomology, Zoogeography.
- 5627-69**
INSECTICIDAL AND ACARICIDAL EFFECT OF SOME BINARY MIXTURES. (CZ)
A Stanova J Drabek S Gaher J Jurigova
Agrochemia 8(7):203-205 REF
1968 385 AG88
Acaricides, Chemical control (insects), Experimental insects, Formulations, Insect biology, Insecticides, Malathion, Musca domestica, Organophosphorus compounds, Tetranychus urticae. English, Russian, and German summaries.
- 5628-69**
APHIDOFAUNA OF HONEY PLANTS AS A SOURCE OF SUBSIDIARY HOSTS OF APHIDIID WASPS (HYMENOPTERA, APHIDIIDAE). (RUS)
P Stary
Acta Ent Bohemoslov 59(1):42-58 REF
1962 420 C33
Aphididae, Beneficial insects, Braconidae, Food habits, Host indexing (plants), Insect ecology, Insect pests, Parasitism. English summary.
- 5629-69**
A RELATIONSHIP BETWEEN IONIC ENVIRONMENT AND HORMONAL ACTIVATION OF PHOSPHORYLASE IN AN INSECT.
J E Steele
Compar Biochem Physiol 29(2):755-763 REF
May 1969 444.8 C73
Fat body, Hormones, Insect biochemistry, Insect physiology, Ions, Periplaneta americana, Phosphorylases, Potassium, Sodium.
- 5630-69**
LACK OF EFFECT OF CONSTANT MAGNETIC FIELDS ON DROSOPHILA EGG HATCHING TIME.
H B Steen P Oftedal
Experientia 23(10):814
15 Oct 1967 475 EX7
Drosophila melanogaster, Hatching, Insect eggs, Magnets.

5631-69

5631-69

RELATIVE SUSCEPTIBILITY OF STORED-PRODUCT INSECTS TO INSECTICIDES.

R G Strong

Pest Contr Oper News 28(2):22-23,30

Feb 1968 SB951.A1P4

Diazinon, Insect cultures, Insect pests, Insecticide residues, Insecticides, Malathion, Organophosphorus compounds, Spraying, Stored products, Surface-active agents. Many other insecticides and their effectiveness against specific insects are discussed.

5632-69

IMMATURE STAGES OF ELASMOPTERIS TESTACEA (H. S.) AND NOTES ON THE BIONOMICS OF THE SPECIES (HETEROPTERA, TINGIDAE).

J M Stusak

Acta Ent Bohemoslov 59(1):19-27 REF

1962 420 C33

Bionomics, Host indexing (plants), Insect identification, Insect physiology, Metamorphosis, Tingidac. Czech summary.

5633-69

REPORT OF THE SUFFOLK COUNTY MOSQUITO CONTROL COMMISSION.

16P MAP

1967 428 SU2

Costs, Culicidac, Insect control, Insect populations, Insect traps, Larvicides, Oils, Precipitation, Temperature, Zoogeography.

5634-69

STERILIZING EFFECT OF HIGH TEMPERATURE ON THE MALE SILKWORM, BOMBYX MORI L. (LEPIDOPTERA: BOMBYCIDAE).

E Sugai I Ashoush

Appl Entomol Zool 3(3):99-102

Sep 1968 SB599.A6

Bombyx mori, Insect physiology, Sterility, Temperature.

5635-69

DOSE RATE EFFECT OF RADIATION ON SPERMATOGONIA OF THE SILKWORM.

E Sugai T Iijima

Nature 213(5079):943-944 REF

04 Mar 1967 472 N21

Bombyx mori, Dosage, Insect biology, Irradiation.

5636-69

BASIC FUNCTIONS IN BACILLUS THURINGIENSIS AFFECTING ITS MODE OF PATHOGENESIS.

P Surany

247-248

1967 SB932.15

Bacillus thuringiensis, Genetics, Parasitism, Viruses.

5637-69

TEMPERATURE AND HUMIDITY EFFECTS ON THE OVIPOSITION OF HYALOMMA AEGYPTIUM TICKS OF DIFFERENT ENGORGEMENT WEIGHTS.

G K Sweatman

J Med Entomol 5(4):429-439 REF

30 Oct 1968 421 J828

Environment, Humidity, Hyalomma aegyptium, Insect temperature, Lizards, Medical entomology, Ovipositors, Turtles.

5638-69

GROWTH OF CELLS DERIVED FROM CULISETA INORNATA AND Aedes vexans IN TISSUE CULTURE. A PRELIMINARY NOTE.

B H Sweet L T Dupree

Mosquito News 28(3):368-373 REF

Sep 1968 421 M85

Aedes vexans, Culiceta inornata, Cytology, Pupae, Tissue culture.

5639-69

DIEL PATTERNS OF SWARMING AND OTHER ACTIVITIES OF TWO ARCTIC DIPTERANS

(CHIRONOMIDAE AND TRICHOCERIDAE) ON SPITSBERGEN.

J Syrjamaki

Oikos 19(2):250-258 REF

1968 410 O14

Chironomidac, Diptera, Insect behavior, Photoperiodism, Swarming.

5640-69

FUNCTIONAL RESPONSE TO HOST DENSITY IN A PARASITIC WASP, WITH REFERENCE TO POPULATION REGULATION.

F Takahashi

Res Population Ecol 10(1):54-68 REF

Jun 1968 420 K99

Cadra cautella, Chemoreceptors, Ichneumonidac, Insect behavior, Insect ecology, Insect rearing, Larvae, Parasitic insects, Population, Pyralidac, Venturia canescens. Japanese summary.

5641-69

SALIVARY SECRETION IN THE CATTLE TICK AS A MEANS OF WATER ELIMINATION.

R J Tatchell

Nature 213(5079):940-941 REF

04 Mar 1967 472 N21

Boophilus annulatus microplus, Insect pests, Insect physiology, Salivary glands (insects), Secretion, Water.

5642-69

BIOLOGICAL OBSERVATIONS ON AEGERIA APIFORMIS CL. (SP)

J Templado

Soc Espan Hist Natur Bol Secc Biol 65(1-2):65-78

MAP REF

30 Sep 1967 442.9 S018

Aegeria apiformis, Insect biology, Insect pests, Mimicry, Populus. English summary.

5643-69

WING REDUCTION IN ENDEMIC HAWAIIAN PSOCIDS.

I W B Thornton

Ann Mag Natur Hist 1(1 JAN-MAR):149-150

Mar 1967 410 AN77

Insect evolution, Insect morphology, Psocoptera, Wings (insects).

5644-69

ON THE BIOLOGY AND ECOLOGY OF THE OPILIONID MITOPUS MORIO F.. (GE)

W Tischler

Biol Zentralbl 86(4 JUL-AUG):473-484 REF

Aug 1967 442.8 B523

Insect behavior, Insect biology, Insect ecology, Oviposition, Phalangida, Zoogeography. English abstract.

5645-69

ON EMERGENCE TIMES WITHIN THE GENUS POLAMORPHYLAX WALLENGREN (TRICHOPTERA, LINDNERIIDAE). (GE)

W Tobias D Tobias

Oikos 19(2):396-399

1968 410 O14

Insect behavior, Insect emergence, Lindneriidac, Photoperiodism, Statistical analysis, Zoogeography.

5646-69

BIOLOGY OF DUFOUREA AND OF ITS CLEPTOPARASITE, NEOPASITES (HYMENOPTERA: APOIDEA).

P F Torchio J G Rozen G E Bohart M S Favreau

N Y Entomol Soc J 75(3):132-146

Sep 1967 420 N48J

Anthrophoridac, Apidac, Dufourca, Food habits, Habitats, Halictidac, Insect biology, Insect ecology, Neopasites, Oviposition, Parasitic insects.

5647-69

VARIATION IN CHLORION LATREILLEI (HYMENOPTERA, SPHECIDAE). (SP)

H Toro S Gallardo

Chile Univ Centro Estud Entomol Publ (8):45-60

1966 420 C432

Insect anatomy, Insect identification, Sphecidac.

5648-69

THE FINE STRUCTURE OF THE VENTRAL INTERSEGMENTAL ABDOMINAL MUSCLES OF THE INSECT RHODNIUS PROLIXUS DURING THE MOLTING CYCLE. II MUSCLE STRUCTURE AT MOLTING.

P A Toscelli F A Pece

J Cell Biol 37(2):445-461 REF

May 1968 442.8 J828

Abdomen, Electron microscopy, Insect histology, Molting (insects), Muscles, Rhodnius prolixus.

5649-69

THE FINE STRUCTURE OF THE VENTRAL INTERSEGMENTAL ABDOMINAL MUSCLES OF THE INSECT RHODNIUS PROLIXUS DURING THE MOLTING CYCLE. II. MUSCLE CHANGES IN PREPARATION FOR MOLTING.

P A Toscelli F A Pece

J Cell Biol 37(2):462-481 REF

May 1968 442.8 J828

Abdomen, Electron microscopy, Insect histology, Insect physiology, Molting (insects), Muscles, Rhodnius prolixus.

5650-69

EGG REDUCTION OF THE COLORADO BEETLE (LEPTINOTARSA DECEMLINEATA SAY) AS A HUNGER-DEPENDENT REACTION.

P Trojan

*Ekol Pol Ser A (SER A)*16(6):171-183 REF

1968 512 W263

Aphididac, Insect eggs, Leptinotarsa decemlineata, Potatoes, Predaceous insects. Polish summary.

5651-69

AN ANION-STIMULATED ADENOSINE TRIPHOSPHATASE FROM THE POTASSIUM-TRANSPORTING MIDGUT OF THE LARVA OF HYALOPHORA CECROPIA.

B O Turbeck S Nedergaard H Krusc

Biochim Biophys Acta Enzymol 163(3):354-361

REF

05 Nov 1968 381 B522

Adenosine triphosphatase, Adenosinetriphosphatase, Biological assay, Biological transport, Gastrointestinal system, Hyalophora cecropia, Hydrogen-ion concentration, Insect physiology, Ions, Potassium.

5652-69

THE OCCURRENCE OF ARGAS JAPONICUS AND IXODES LIVIDUS IN NAGANO PREFECTURE, JAPAN (IXODOIDEA: ARGASIDAE; IXODIDAE).

K Uchikawa A Sato

J Med Entomol 6(1):95-97 MAP

30 Jan 1969 421 J828

Argas japonicus, Argasidac, Insect ecology, Insect pests, Ixodidac, Medical entomology, Zoogeography.

5653-69

LIFE CYCLES OF BENTHIC INSECTS IN LAPLAND STREAMS (EPHEMEROPTERA, PLECOPTERA, TRICHOPTERA, DIPTERA SIMULIIDAE).

S Ulfstrand

Oikos 19(2):167-190 MAP REF

1968 410 O14

Aquatic insects, Ephemeroptera, Life cycle, Plecoptera, Simuliidae, Streams, Trichoptera.

5654-69

AN INFECTION OF STREPTOCOCCUS FAECALIS ANDREWES ET HORDER IN THE PINE LOOPER MOTH, BUPALUS PINIARIUS L. (LEPIDOPTERA, GEOMETRIDAE). (GE)

S Urban

Biol Zentralbl 87(5 SEP-OCT):617-624 REF

Oct 1968 442.8 B523

Bacterial diseases (insects), Bupalus piniarius, Geometridac, Larvae, Pupae, Streptococcus faecalis. English abstract

- 5655-69**
SEASONAL DISTRIBUTION, SEX RATIOS, AND MATING OF FEMALE NOCTUID MOTHS IN BLACKLIGHT TRAPPING STUDIES.
P V Vail A F Howland T J Hennecberry
Entomol Soc Amer Ann 61(2):405-411
15 Mar 1968 420 EN82
Insect populations, Insect traps, Noctuidae, Temperature.
- 5656-69**
FEWER PESTICIDES- MORE CONTROL.
R Van Den Bosch
Science 164(3879):497
02 May 1969 470 SCI2
Chemical control (pests), Chlorinated hydrocarbons, DDT, Ecology, Pesticides, Regulations.
- 5657-69**
INSECT PATHOLOGY AND MICROBIAL CONTROL. PROCEEDINGS OF THE INTERNATIONAL COLLOQUIUM ON INSECT PATHOLOGY AND MICROBIAL CONTROL, WAGENINGEN, THE NETHERLANDS, SEPTEMBER 5/10, 1966.
P A Van Der Laan
North-Holland Publishing Co., Amsterdam, Netherlands 360P
1967 SB932.15
Biological control (insects), Entomology, Insect diseases, Insecticide resistant insects, Insecticides, Integrated control (insects).
- 5658-69**
LAWN INSECTS; HOW TO CONTROL THEM.
A M Vancc B A App
U S D A Home Gard Bull (53):24P
Mar 1969 1 AG84HG
Accident prevention, Chemical control (insects), Insect pests, Insecticides, Lawns, Plant injuries.
- 5659-69**
SEXUAL DIMORPHISM OF LARVAE AND PUPAE OF Aedes Aegypti (Linn.).
V M Vargas
Mosquito News 28(3):374-379 REF
Sep 1968 421 M85
Aedes aegypti, Gonads, Insect morphology, Larvae, Polymorphism, Pupae.
- 5660-69**
DEVELOPMENT AND STUDY OF FILLER COMPOSITION OF AEROSOL DISPENSERS FOR CONTROLLING FLYING INSECTS.
V I Vashkov V M Tsclin A P Volkova L I Brikman I V Bessonova
J Hyg Epidemiol Microbiol Immunol 11(3):301-308 REF
1967 448.8 J826
Chemical control (insects), Dichlorvos, Insect control, Insecticidal aerosols, Pyrethrum.
- 5661-69**
LACE BUGS.
L M Vasvary
Rutgers State Univ Ext Leaflet (213-A):2P
1969 275.29 N46L
Carbamates, Carbaryl, Chemical control (insects), Chlorinated hydrocarbons, Dimethoate, Insect pests, Insecticides, Lindane, Malathion, Organophosphorus compounds, Tingidae.
- 5662-69**
BAGWORM.
L M Vasvary
Rutgers State Univ Ext Leaflet (192-A):2P
1969 275.29 N46L
Carbamates, Carbaryl, Chemical control (insects), Chlordane, Chlorinated hydrocarbons, Diazinon, Insect pests, Insecticides, Malathion, Organophosphorus compounds, Plant injuries, Psychidae, Shrubs, Thuja, Thyridopteryx cphemeriformis, Trees.
- 5663-69**
EUROPEAN PINE SHOOT MOTH.
L M Vasvary
Rutgers State Univ Ext Leaflet (129-B):2P
1969 275.29 N46L
Carbamates, Carbaryl, Chemical control (insects), Chlorinated hydrocarbons, DDT, Insect identification, Insect pests, Insecticide application, Olthru-tidac, Rhyacionia buoliana.
- 5664-69**
RESEARCH ON THE DISEASE DUE TO METARRHIZIUM ANISOPLIAE, IN THE MIGRATORY LOCUST. (FR)
K H Vccn
Wageningen Landvouw Lab Fytopathol Med 68(5):77P REF
1968 464.04 W12
Biological control (insects), Disease transmission, Fungi, Insect diseases, Metarrhizium anisopliae, Schistocerca gregaria. English summary.
- 5665-69**
SENSITIVITY DURATION IN THE PHOTOPERIOD FOR THE INHIBITION OF MATURATION OF A GROUP OF LOCUSTA MIGRATORIA MIGRATORIA L. (ORTHOPTERA), GROUP KAZALINSK. (FR)
M Vcdier
Acad Sci Compt Rend Ser D Sci Nat 268(2, 1ST SEMESTER):333-336 REF
13 Jan 1969 505 P21
Acrididae, Locusta migratoria, Metamorphosis, Photoperiodism.
- 5666-69**
DEVELOPMENT COURSE OF NORTHERN CATTLE GRUB, HYPODERMA BOVIS, MALE REPRODUCTIVE CELLS. (LA)
R Vitomska
Latv P Sr Zinat Akad Vestis 7(240):100-103
1967 511 R442
Hypoderma bovis, Insect biology, Insect physiology, Metamorphosis, Reproductive organs. English and Russian summaries.
- 5667-69**
INTEGRATED AND HARMONIOUS CONTROL OF INSECT PESTS. (DU)
A D Voute
T N O (toegepast- Natuurwetensch Onderz)-nieuws 23(10):397-399 REF
Oct 1968 475 T11
Biological control (insects), Chemical control (insects), Insect pests, Integrated control (insects), Nomenclature. English summary.
- 5668-69**
SUSCEPTIBILITY OF AN ALFALFA LEAF-CUTTING BEE TO RESIDUES OF INSECTICIDES ON FOLIAGE.
G D Waller
J Econ Entomol 62(1):189-192
17 Feb 1969 421 J822
Alfalfa, Carbaryl, Chemical control (insects), DDT, Insecticide residues, Leaves, Megachile rotundata, Mortality, Susceptibility.
- 5669-69**
THE GROWTH AND ACTIVITY OF THE CORPORA ALLATA IN THE LARVAL FIREBRAT, THERMOBIA DOMESTICA (PACKARD) (THYSANURA, LEPISMATIDAE).
J A L Watson
Biol Bull 132(2):277-291 REF
Apr 1967 442.8 B52
Corpora allata, Cuticle, Insect histology, Larvae, Thermobia domestica, Tissue transplants.
- 5670-69**
STUDIES OF PHYSIOLOGICALLY ACTIVE ARTHROPOD SECRETIONS. II. SOME OBSERVATIONS ON THE SCENT PENCILS OF MALE VITULA EDMANDSAE (LEPIDOPTERA: PHYCITIDAE).
J Weatherston J E Percy
Can Entomol 101(3):280-285 REF
Mar 1969 421 C16
Glands (insects), Insect histology, Insect morphology, Pheromones, Phycitidae, Secretion, Sex attractants. French summary.
- 5671-69**
OPTICAL ORIENTATION MECHANISMS IN THE HOMING BEHAVIOR OF CATAGLYPHIS BICOLOR FAB. (FORMICIDAE, HYMENOPTERA). (GE)
R Wchner
Rev Suisse Zool 75(4):1076-1085 REF
Dec 1968 410 R324
Cataglyphis bicolor, Formicidae, Insect behavior, Insect physiology, Vision.
- 5672-69**
HOMING IN THE ANT CATAGLYPHIS BICOLOR.
R Wchner R Menzel
Science 164(3876):192-194
11 Apr 1969 470 SCI2
Cataglyphis bicolor, Insect behavior, Insect ecology, Social insects, Zoogeography.
- 5673-69**
THERMOBIA DOMESTICA (PACKARD 1873). (GE)
H Wcidner
Prakt Schadlingsbekampfer 20(5):55-56
May 1968 421 P882
Flour, Insect ecology, Insect morphology, Lepisma saccharina, Thermobia domestica, Thysanura.
- 5674-69**
CONTRIBUTION TO THE STUDY OF THE POPULATION DYNAMICS OF THE PLANT LOUSE TOXOPTERA AUTANTII (BOYER) ON LEMON TREES (CITRUS LIMON BURM). (CZ)
L Weismann M M Diaz
Biologia (bratislava) 23(2):132-137
1968 442.8 B5265
Aphididae, Demography, Insect pests, Lemons, Toxoptera aurantii. Czech, Russian and German abstracts.
- 5675-69**
ECOLOGICAL STUDIES ON APHIDS. I. ON THE TEMPERATURE RELATIONS OF THE VIRGINOPARAE (ALIENCOLAE) OF MYZUS PERSICAE AT CONSTANT TEMPERATURES ON SWEDEN. (GE)
K Weitzel A Rauber
Entomol Exp Appl 11(2):115-132 REF
1968 421 EN895
Insect ecology, Myzus persicae, Natural control (insects), Rape, Reproduction, Temperature. English summary.
- 5676-69**
POSTNATAL TREATMENT OF THE CABBAGE APHID WITH A SYNTHETIC JUVENILE HORMONE.
D F White
J Insect Physiol 14(7):901-912 REF
Jul 1968 421 J825
Biochemistry, Brevicoryne brassicae, Hormones, Insect abnormalities, Insect morphology.
- 5677-69**
USE OF BIOASSAY IN PLANT PROTECTION.
H Wiegand
338-339
1967 SB932.15
Bacteria, Biological assay, Biological control (insects), Insect pests, Methodology, Plant protection.
Summary of 2 articles by H. Wiegand. Testing of plant protection preparations in bioassay to be published in Archiv für Pflanzenschutz and Taking natural mortality into account in bioassay to be published in Biometrische Zeitschrift.
- 5678-69**
CONTROLLING INSECT PESTS IN HEADER-HARVESTERS.
P Williams
J Agr 67(1):8-10
Jan 1969 23 V66J
Chemical control (insects), Insect control, Insect pests, Wheat.

5679-69

SALICYLANILIDES: A NEW GROUP OF ACTIVE UNCOUPLERS OF OXIDATIVE PHOSPHORYLATION.

R L Williamson R L Metcalf
Science 158(3809):1694-1695 REF
29 Dec 1967 470 SCI2

Adenosine triphosphates, Chemical reactions, Inhibitors, Mitochondria, *Musca domestica*, Phosphorylation, Salicylanilides.

5680-69

LIFE HISTORY, HABITS, AND DAMAGE OF CHRYSOBOTHRIS ORONO (COLEOPTERA: BUPRESTIDAE) ON RED PINE IN MICHIGAN.

L F Wilson
Can Entomol 101(3):291-298
Mar 1969 421 C16

Bionomics, Buprestidae, Forest insects, Insect behavior, Insect pests, Insect physiology, *Pinus banksiana*, *Pinus resinosa*, Plant injuries.

5681-69

CUTICULAR WATER PUMP IN INSECTS.

P W Winston
Nature 214(5086):383-384
22 Apr 1967 472 N21

Acrididae, Blattidae, Cuticle, Insect physiology, *Locusta migratoria*, *Periplaneta americana*, Water.

5682-69

NEW RECORDS AND SPECIES OF NEOTROPICAL BARK BEETLES (SCOLYTIDAE: COLEOPTERA).

S L Wood
Great Basin Natur 27(2):79-97
05 Sep 1967 410 G79

Insect taxonomy, Scolytidae, Zoogeography.

5683-69

MALE GENITAL DISC DEFECT IN DROSOPHILA MELANOGASTER.

C M Woolf
Genetics 60(1.PT.1):111-121
Sep 1968 442.8 G28

Abnormalities, Chromosomes, Culture media, *Drosophila melanogaster*, Genes, Reproduction, Research.

5684-69

AN IMPROVED METHOD FOR THE COLLECTION OF LARGE NUMBERS OF INSEMINATED EGGS OF DROSOPHILA MELANOGASTER.

F E Wurgler H Ulrich H W Spring
Experientia 24(10):1082-1083 REF
15 Oct 1968 475 EX7

Drosophila melanogaster, Eggs, Insect rearing, Methodology.

5685-69

INITIATION OF POLYHEDROSIS PRODUCTION IN VITRO.

K Yamafuji
26-27
1967 SB932.15

Biochemistry, Deoxyribonucleic acid, Dna viruses, Hydroxylamine, Insect diseases, Mutagens, Polyhedroses, Virology.

5686-69

OBSERVATIONS ON THE USE OF A PREPARATION OF BACILLUS THURINGIENSIS VAR. THURINGIENSIS BERLINER, FOR THE CONTROL OF THE OLIVE MOTH (PRAYS OLEAE BERN.).

C Yamvrias
284-285
1967 SB932.15

Bacillus thuringiensis, Biological control (insects), Climate, Insect pests, Methodology, *Prays oleae*.

5687-69

DETERMINING SUITABLE WINTERING AND HATCHING REGIMES OF THE EGGS OF THE SILK WORM (BOMBYX MORI L.). (BUL.)

A Yankov M Petkov

Zhivotnovudni Nauk 5(3):85-94 REF

1968 49 Z65

Bombyx mori, Hibernation, Insect biology, Insect breeding, Insect eggs, Larvae, Lepidoptera, Storage, Temperature. English and Russian summary

5688-69

SYSTEMICS, A NEW TOOL FOR THE HOME GARDENER.

W H Youngman
Amer Hort Mag 48(1,WINTER):12-19 REF
1969 80 N216

Chemical control (insects), Demeton, Dimethoate, Disulfoton, Oxydemetonmethyl, Plant physiology, Systemic insecticides.

5689-69

LIPIDS IN THE MELANIC MUTANT OF THE LARGE MILKWEED BUG, ONCOPELTUS FASCIATUS.

W J Yurkiewicz K E Wheelchel
Compar Biochem Physiol 29(2):879-883 REF
May 1969 444.8 C73

Chromatography, Insect biochemistry, Insect mutation, Lipids, *Oncopeltus fasciatus*, Sex.

5690-69

METABOLISM OF ORGANOPHOSPHORUS INSECTICIDES. IX. DISTRIBUTION, EXCRETION AND METABOLISM OF DIMETHOATE PRODENIA LITURIA. (ABSTRACT).

S M A D Zayed A Hassan I M I Fakhr
Excerpta Med Pharm Toxicol 21(12):600
Dec 1968 241.64 EX23

Dimethoate, Insect physiology, Insecticides, Isotopes, Larvae, Metabolism, Metabolites, Noctuidae, Organophosphorus compounds, *Prodenia litura*. From *Biochemical Pharmacology*, 1968, 17/7, (1339-1347).

5691-69

ON THE PHOTOPOSITIVE RESPONSES OF SOME INSECTS TOWARDS MONOCHROMATIC LIGHTS.

J Zdarek J Pospisil
Acta Ent Bohemoslov 5(63):341-347 REF
1966 420 C33

Attractants, Color, Habitats, Insect behavior, Insect ecology, Light, Phytophagous insects.

Aphis fabae, *Leptinotarsa decemlineata*, *Pegomyia hyoscyami*, *Adalia bipunctata*, *Muscina stabulans*, *Stomoxys calcitrans* and *Trichogramma evanescens* were tested for their responses.

5692-69

USE OF SOME HOST INSECTS TO INCREASE TRICHOGRAM EFFECTIVENESS. (LA.)

A Zilsparne
Latv P Sr Zinat Akad Vestis (7):91-95
1968 511 R442

Beneficial insects, Biological control (insects), Insect eggs, Moths, Parasitism, *Trichogramma*. English summary.

5693-69

PARASITE PHYLOGENY PROBLEMS OF THE MALLOPHAGA OF PASSERIFORMES AND PICIFORMES. (GE.)

J Zlotorzycska
Angew Parasitol 09(1):45-53
Feb 1968 436.8 AN4

Birds, Insect evolution, Mallophaga, Parasitic insects, Pigeons, Poultry. German abstract

5694-69

AGGRESSIVENESS OF DIFFERENT SPECIES OF SANDFLIES TOWARDS MAN AND THEIR INFECTION RATE WITH L. TROPICA MAJOR AT THE MOMENT OF BLOOD-SUCKING. (RUS.)

T V Zvyagintseva
Med Parazitol Parazitarn Bolezni 37(5,SEP/OCT):570-574
1968 448.8 M469

Human diseases, Insect behavior, Insect diseases, Leishmaniasis, Medical entomology, *Phlebotomus*. English summary.

5695-69

HOW DO NATIVE INSECT PARASITES BEHAVE IN RELATION TO IMPORTED INSECT HOSTS, ALIEN TO THE NATIVE FAUNA. (GE.)

H Zwolfer H Pschornewalcher
Anz Schadlingskunde 41(4):51-55 REF
Apr 1968 421 AN9

Calophasia lunula, *Cnephasia*, *Diprionidae*, *Fenusa pusilla*, Hymenoptera, Insect behavior, Lepidoptera, Parasitic insects, *Porasammerramia caesiella*, *Thymelicus lincola*.

GENETICS

5696-69

KARYOTYPES OF SOME ASIAN MOSQUITOES OF THE SUBFAMILY CULICINAE (DIPTERA: CULICIDAE).

R H Baker M Aslamkhan
J Med Entomol 6(1):44-52 REF
30 Jan 1969 421 J828

Chromosomes, Culicidae, Insect genetics, Medical entomology. Fifteen species of mosquitoes are discussed.

5697-69

POLYMORPHISM IN PIERIS: SUPPOSED LETHALITY OF HOMOZYGOUS SUBTALBA (LEP., PIERIDAE).

S R Bowden
Entomologist (london) 100(1255):307-314
Dec 1967 421 EN8

Demography, Genes, Insect genetics, *Pieridae*, Polymorphism.

5698-69

CHROMOSOME STUDIES IN DIPLOPODA (MYRIAPODA). A NOTE ON THE ABNORMAL SEX-CHROMOSOME BEHAVIOUR IN THE MALE OF THYROPYGUS SP..

B N Chowdaiah
Cur Sci 36(4):105-106
20 Feb 1967 475 SCI23

Chromosomes, Harpagophoridae, Insect cytology, Insect genetics.

5699-69

MORPHOLOGICAL DIVERGENCES AND STERILITY BARRIERS IN THE AEDES MARIAE COMPLEX (DIPTERA, CULICIDAE). (IT.)

M Coluzzi A Sabatini
Riv Parassitol 29(1):49-70 MAP REF
Mar 1968 436.8 R52

Aedes, Chromosomes, Culicidae, Insect genetics, Insect morphology, Sterility. English summary.

5700-69

ENVIRONMENTAL AND GENETIC VARIATIONS OF WING SIZE, CELL SIZE AND CELL DIVISION RATE, IN DROSOPHILA MELANOGASTER.

J Delcours F A Lints
Genetica 37(4):543-556 REF
1967 442.8 G282

Cell division, Cells, *Drosophila melanogaster*, Environment, Insect genetics, Sex, Temperature, Wings (insects).

5701-69

CENTROMERE NATURE OF THE CHROMOSOMES OF RANATRA (HETEROPTERA).

R N Desai S B Deshpande
Experientia 25(4):386-387
15 Apr 1969 475 EX7

Chromosomes, Insect genetics, Meiosis, Mitosis, *Nepidae*, *Ranatra*.

5702-69

EFFECTS OF SELECTION AND MIGRATION ON GEOTACTIC AND PHOTOTACTIC BEHAVIOUR OF DROSOPHILA. II.

Th Dobzhansky B Spassky J Svcd
Roy Soc Proc Ser B, Biol Sci 173(1031):191-207

- 20 May 1969 501 L84B
Drosophila pseudoobscura, Geotropism, Insect behavior, Insect genetics, Insect migration, Phototropism, Population.
- 5703-69**
MEIOSIS. III: THE ELASTICA, AND MARKOV PROCESSES AS MODEL FOR NON-RANDOM SEGREGATION FROM ASSOCIATED NON-HOMOLOGUES IN DROSOPHILA.
L T Douglas
Genetica 39(3-4):289-328 REF
1968 442.8 G282
Drosophila melanogaster, Insect genetics, Markov chains, Mathematical analysis, Meiosis.
- 5704-69**
GENETICS AND ACTIVITY IN DROSOPHILA MELANOGASTER.
A W Ewing
Experientia 23(5):330-332
15 May 1967 475 EX7
Drosophila melanogaster, Insect behavior, Insect genetics.
- 5705-69**
NUCLEIC ACID CONTENT OF A DIPLOID AND OF A TRIPLOID STRAIN OF DROSOPHILA MELANOGASTER.
R Fahrig F Anders
Experientia 23(4):269-270
15 Apr 1967 475 EX7
Cytogenetics, *Drosophila melanogaster*, Insect genetics, Nucleic acids, Polyploidy.
- 5706-69**
MUTANTS AT THE BOBBED LOCUS IN DROSOPHILA MELANOGASTER: RELATION TO RIBOSOMAL RNA SYNTHESIS.
E S Gersh
Science 162(3858):1139
06 Dec 1968 470 SCI2
Chromosomes, *Drosophila melanogaster*, Insect genetics, Insect mutation, Ribonucleic acid, Ribosomes, Synthesis.
- 5707-69**
THE VARIATION FROM YEAR TO YEAR OF THE CONCENTRATION AND ALLELISM OF LETHAL MUTATIONS IN NEIGHBOURING NATURAL POPULATIONS OF DROSOPHILA MELANOGASTER. (RUS)
M D Golubovskii G V Viktorova
Genetika 4(8):48-57 REF
1968 QH431.A1G4
Alleles, *Drosophila melanogaster*, Insect genetics, Insect mutation, Lethal factor, Population. English summary.
- 5708-69**
INSECTICIDE RESISTANCE IN THE HOME OF CULEX PIPPIENS FATIGANS WIEDEMANN. (FR)
J Hamon J Mouchet
World Health Organ Bull 37(2):277-286 REF
1967 449.9 W892B
Chemical control (insects), *Culex pipiens quinquefasciatus*, Dieldrin, DDT, Insect genetics, Insect physiology, Insecticide resistant insects, Larvac. Summary in English.
- 5709-69**
STUDIES IN EXPERIMENTAL BEHAVIOR GENETICS: V. NEGATIVE GEOTAXIS AND FURTHER CHROMOSOME ANALYSES IN DROSOPHILA MELANOGASTER.
J Hirsch G Ksander
J Compar Physiol Psychol 67(1):118-122
Jan 1969 410 J822
Chromosomes, *Drosophila melanogaster*, Geotropism, Insect behavior, Insect genetics.
- 5710-69**
POPULATION GENETICS IN THE AMERICAN TROPICS. II. THE COMPARATIVE GENETICS OF DROSOPHILA IN EUROPEAN AND NEOTROPICAL ENVIRONMENTS.
H F Hoenigsberg L E Castro L A Granobles J M Idrobo
Genetica 40(1):43-60 REF
1969 442.8 G282
Drosophila melanogaster, Insect ecology, Insect genetics.
- 5711-69**
THE EXPLOITATION OF GENETIC HETEROGENEITY AMONG THE FOUNDERS OF LABORATORY POPULATIONS OF DROSOPHILA PRIOR TO DIRECTIONAL SELECTION.
S M W Hosgood P A Parsons
Experientia 23(12):1066-1067
15 Dec 1967 475 EX7
Drosophila melanogaster, Insect genetics, Insect rearing.
- 5712-69**
CROSSING-OVER IN THE MALES OF DROSOPHILA ANANASSAE: EXCHANGES IN IRRADIATED PUPAE.
P G Kalc
Int J Radiat Biol 13(1):1-12 REF
15 Dec 1967 444.8 IN8
Drosophila ananassae, Insect genetics, Irradiation, Pupa. French and German abstracts.
- 5713-69**
STUDIES ON THE MECHANISM OF DDT-RESISTANCE IN CULEX PIPPIENS FATIGANS.
R L Kalra A S Perry J W Miles
World Health Organ Bull 37(4):651-656 REF
1967 449.9 W892B
Aedes aegypti, *Culex pipiens quinquefasciatus*, DDT, Insect biology, Insect genetics, Insecticide resistant insects. French summary.
- 5714-69**
THE CHROMOSOMES OF THE CADDIS-FLY, GLYPHOTAELIUS PELLUCIDUS (RETZIUS, 1783) (TRICHOPTERA: LIMNEPHILIDAE, LIMNEPHILINAE).
B Kiauta L Lankhorst
Genetica 40(1):1-6 REF
1969 442.8 G282
Chromosomes, Insect genetics, Limnephilidae, Meiosis, Sex determination.
- 5715-69**
CHROMOSOMAL REARRANGEMENTS INDUCED IN DROSOPHILA SALIVARY GLAND CHROMOSOMES BY AN ACRIDINE HALF MUSTARD.
S Kumar R P Sharma
Experientia 23(4):266-267 REF
15 Apr 1967 475 EX7
Chromosomes, Cytogenetics, *Drosophila*, Salivary glands (insects).
- 5716-69**
CARBAMATE AND PHOSPHATE RESISTANCE IN ADULT GRANARY WEEVILS.
V Kumar F O Morrison
J Econ Entomol 60(5):1430-1434
Oct 1967 421 J822
DDT, Fenthion, Insecticide resistant insects, Sitophilus, Zectran.
- 5717-69**
THE MUTAGENIC EFFECT OF 600 MEV PROTONS IN DROSOPHILA MELANOGASTER.
M J Lamb T W McSheehy C E Purdom J Baarli A H Sullivan
Int J Radiat Biol 12(1):27-34 REF
17 May 1967 444.8 IN8
Drosophila melanogaster, Insect genetics, Insect mutation, Protons, X-rays.
- 5718-69**
ANALYSIS OF CHRONATIN IN MALE AND FEMALE MEALY BUGS. (PLANOCOCCUS CITRI).
M W Loewus
Nature 218(5140):474-476 REF
04 May 1968 472 N21
Biological assay, Chromatin, Chromosomes, Insect genetics, *Planococcus citri*, Pseudococcidae.
- 5719-69**
GENETIC AND ENVIRONMENTAL CONTROL OF MELANOTIC TUMORS IN DROSOPHILA.
K Mampell
Genetica 37(4):449-465
1967 442.8 G282
Drosophila melanogaster, Insect genetics, Insect nutrition, Neoplasms, Temperature.
- 5720-69**
SELECTION FOR HIGHER FITNESS IN POPULATIONS OF DROSOPHILA PSEUDOOBSCURA.
D Marinkovic
Science 160(3824):199-200
12 Apr 1968 470 SCI2
Chromosomes, *Drosophila pseudoobscura*, Fertility, Insect genetics, Insect mutation, Insect populations.
- 5721-69**
FECUNDITY, EGG-SIZE AND HATCHABILITY IN DROSOPHILA MELANOGASTER WITH AN X-CHROMOSOME HELD UNCHANGED.
N K Mazumdar S S Prabhu
J Genet 60(1):24-39 REF
Dec 1968 442.8 J823
Chromosomes, *Drosophila melanogaster*, Fertility, Insect eggs, Insect genetics.
- 5722-69**
LINKAGE OF GOLD, ITS RECESSIVE LETHALITY AND SEX-RELATED VARIATION IN CROSSING-OVER IN CULEX PIPPIENS (DIPTERA: CULICIDAE).
G A H McClelland T W Smithson
Can J Genet Cytol 10(2):374-384 REF
Jun 1968 443.8 C16
Breeding, Chromosomes, *Culex pipiens*, DDT, Genes, Immunity, Insect genetics, Lethal factor, Sex.
- 5723-69**
ELIMINATION OF RADIATION-INDUCED CHROMOSOME ABERRATIONS IN EXPERIMENTAL POPULATIONS OF DROSOPHILA MELANOGASTER. (RUS)
V A Mglinctz
Genetika 4(8):81-86 REF
1968 QH431.A1G4
Chromosomes, *Drosophila melanogaster*, Insect genetics, Radiation. English summary.
- 5724-69**
ON THE MULTIPLE SEX-CHROMOSOME MECHANISM IN TRAPEZONOTUS ARENARIUS L. (HETEROPTERA, LYGAEIDAE).
M Mikolajski
Experientia 23(4):270-271
15 Apr 1967 475 EX7
Cytogenetics, Insect genetics, Lygacidae, Sex determination.
- 5725-69**
SALIVARY GLAND CHROMOSOME VARIATION IN THE DROSOPHILA AFFINIS SUBGROUP. II. COMPARISON OF CHROMOSOME PATTERNS IN D. ATHABASCA AND FIVE RELATED SPECIES.
D D Miller W G Sanger
J Hered 59(6):323-327 REF
Nov 1968 442.8 AM3
Chromosomes, *Drosophila affinis*, *Drosophila athabasca*, Glands (insects), Insect genetics, Photomicrography, Salivary glands.
- 5726-69**
LOSS OF CHROMOSOMES AND NON-DISJUNCTION INDUCED BY CAFFEINE IN DROSOPHILA.
S Mittler J E Mittler S L Owens
Nature 214(5086):424
22 Apr 1967 472 N21
Caffeine, Chromosomes, *Drosophila melanogaster*, Insect genetics.

5727-69

POLYTENE CHROMOSOMES IN SILK GLAND CELLS OF THE SILKWORM, BOMBYX MORI.

Y H Nakanishi H Kato S Utsumi

Experientia 25(4):384-385

15 Apr 1969 475 EX7

Bombyx mori, Chromosomes, Cytology, Electron microscopy.

5728-69

RELATIVE FITNESS OF A THIRD CHROMOSOME INVERSION IN DROSOPHILA MELANOGASTER.

R F Nassar

Australian J Biol Sci 21(6):1179-1186 REF

Dec 1968 442.8 AU72

Chromosomes, Drosophila melanogaster, Insect genetics, Insect rearing.

5729-69

CHROMOSOMES OF THE CEREAL LEAF BEETLE.

T Ninan D H Smith S G Wellso

J Hered 59(6):361-362 REF

Nov 1968 442.8 AM3

Chromosomes, Gelechiidae, Insect eggs, Insect genetics, Oulema melanopus.

5730-69

ON THE REVERSIBLE CHARACTER OF DELAYED MUTATIONS INDUCED BY NITROSO COMPOUNDS IN DROSOPHILA MELANOGASTER.

M Ondrej

Folia Biol (praha) 15(1):17-25 REF

1969 442.8 F712

Drosophila melanogaster, Insect genetics, Insect mutation, Nitroso compounds.

5731-69

GENETICS OF RESISTANCE TO TEDION IN TETRANYCHUS URTICAE C. L. KOCH.

W P J Overmear

Arch Neer Zool 17(3):295-349 REF

Nov 1967 410 AR27

Insect biology, Insect rearing, Insecticide resistant insects, Tetranychus urticae.

5732-69

THYMIDINE TERATOGENESIS AND MUTAGENESIS IN DROSOPHILA MELANOGASTER.

O Parkash

Experientia 23(10):859-861

15 Oct 1967 475 EX7

Chromosomes, Drosophila melanogaster, Insect genetics, Insect morphology, Insect mutation, Thymidine, H-3-.

5733-69

GENETICS OF OCTANOL DEHYDROGENASE IN DROSOPHILA METZII.

S B Pipkin

Genetics 60(1,PT.1):81-92

Sep 1968 442.8 G28

Drosophila, Electrophoresis, Genetics, Research.

5734-69

ANALYSIS OF A 6X6 DIALLEL CROSS FOR HATCHABILITY IN DROSOPHILA MELANOGASTER.

S S Prabho P Narain H P Singh S Rawat

J Genet 60(1):17-23 REF

Dec 1968 442.8 J823

Alleles, Drosophila melanogaster, Insect eggs, Insect genetics, Insect physiology.

5735-69

GENETIC VARIABILITY IN THE GERMAN COCKROACH. IV. LINKAGE STUDIES WITH MARKERS FOR GROUPS III AND VIII.

M H Ross D G Cochran

J Hered 59(5,SEP-OCT):318-320 REF

Oct 1968 442.8 AM3

Blattella germanica, Insect genetics.

Linkage data which show two genetic markers,

Prowing (Pw) and notched sternite (st) to be involved with linkage groups III and VII in Blattella germanica L. are presented.

5736-69

GENETICS OF RESISTANCE TO INSECTICIDES OF THE SKA STRAIN OF MUSCA DOMESTICA. III. LOCATION AND ISOLATION OF THE FACTORS OF RESISTANCE TO DIELDRIN.

R M Sawicki A W Farnham

Entomol Exp Appl 11(2):133-142 REF

1968 421 EN895

Chlorinated hydrocarbons, Dieldrin, Insect genetics, Insecticide resistant insects, Insecticides, Musca domestica. German summary.

5737-69

THE SALIVARY CHROMOSOMES OF ANOPHELES STEPHENSI STEPHENSI.

G P Sharma R Parshad S L Narang J B Kitzmiller

J Med Entomol 6(1):68-71

30 Jan 1969 421 J828

Anopheles stephensi, Chromosomes, Insect genetics, Medical entomology, Salivary glands (insects).

5738-69

SPERMIOGENESIS IN WILD TYPE AND IN A MALE STERILITY MUTANT OF DROSOPHILA MELANOGASTER.

J R Shoup

J Cell Biol 32(3):663-675 REF

Mar 1967 442.8 J828

Cytology, Drosophila melanogaster, Electron microscopy, Spermatogenesis, Sterility.

5739-69

ATTEMPTS TO INDUCE CROSSING-OVER IN DROSOPHILA MELANOGASTER MALES WITH OVARIAN EXTRACTS.

K M Singer A Chovnick D T Suzuki D Baillic D Hoar

Nature 214(5087):503-504

29 Apr 1967 472 N21

Chromosomes, Drosophila melanogaster, Extracts, Insect cultures, Insect genetics, Ovaries.

5740-69

TEMPERATURE-SENSITIVE MUTATIONS IN DROSOPHILA MELANOGASTER, III. DOMINANT LETHALS AND SEMILETHALS ON CHROMOSOME 2.

D T Suzuki D Procnic

Nat Acad Sci Proc 62(2):369-376 REF

Feb 1969 500 N21P

Chromosomes, Drosophila melanogaster, Insect genetics, Insect mutation, Lethal factor, Temperature.

5741-69

GENETICAL LINKAGE RELATIONSHIPS OF DDT-RESISTANCE AND DIELDRIN-RESISTANCE IN CULEX PIPIENS FATIGANS WIEDEMANN.

T Tadano A W A Brown

World Health Organ Bull 36(1):101-111 REF

1967 449.9 W892B

Benzene hexachloride, Chromosomes, Culex pipiens quinquefasciatus, Dieldrin, DDT, Genes, Insect genetics, Insecticide resistant insects. French summary

Abstract: DDT - resistance due to a single principal gene. dieldrin - resistance is separated on to chromosome 3.

5742-69

UNUSUAL FILAMENTOUS STRUCTURES IN THE PARAGONIA OF MALE DROSOPHILA.

B Tandler D L Williamson L Ehrman

J Cell Biol 38(2):329-336 REF

Aug 1968 442.8 J828

Drosophila paulistorum, Electron microscopy, Inclusion bodies, Ribonucleic acid, Sterility.

5743-69

REGULAR SEGREGATION OF SEVEN ASYNAPTIC SEX CHROMOSOMES IN THE MALE OF ASPHAERA DANIELA BECHYNE (COLEOPTERA, ALTCIDAE).

N Virkki

21(1):47-

Mar 1968

Chromosomes, Coleoptera, Insect genetics, Research.

5744-69

SELECTION AND TEMPERATURE EFFECTS ON EXTRA DORSOCENTRAL BRISTLES IN DROSOPHILA MELANOGASTER.

W J Vrccezen J F Veldkamp

Genetica 40(1):19-39 REF

1969 442.8 G282

Drosophila melanogaster, Insect morphology, Insect mutation, Insect rearing, Temperature.

5745-69

ON POLYMORPHISM WITHIN A CHROMOSOME FROM POPULATIONS OF GROUND BEETLES CARABUS AURONITENS FABR. (GE)

F Weber

Experientia 23(4):257-258

15 Apr 1967 475 EX7

Carabidae, Chromosomes, Cytogenetics, Insect genetics, Polymorphism. English abstract

MEDICAL ENTOMOLOGY

5746-69

GAMBUSIA FOR COLORADO.

Anonymous

Pest Contr 37(4):28,30,32,34,36,38

Apr 1969 449.8 EX8

Biological control (insects), Culicidae, Encephalitis, Gambusia affinis, Insect vectors, Virus diseases (animals).

5747-69

A POSSIBLE ROLE OF BLOOD-SUCKING MOSQUITOES IN SPREAD OF ARBOVIRUS INFECTION IN THE AREA OF THE ZAISAN LAKE. (REF)

V N Anufrieva

Med Parazitol Parazitarn Bolezni

37(5,SEP/OCT):595-604 MAP REF

1968 448.8 M469

Arboviruses, Culicidae, Disease transmission, Insect biology, Medical entomology, Neurotropic viruses. English summary.

5748-69

A TECHNIQUE FOR FEEDING LARVAL TROMBICULID MITES ON LABORATORY MICE.

H J Baker A A Hubert C Manikumar

J Med Entomol 5(4):511-513

30 Oct 1968 421 J828

Feeding, Insect vectors, Larvae, Medical entomology, Mites, Trombiculidae.

5749-69

RECORDS OF EYE-FREQUENTING LEPIDOPTERA FROM MAN.

H Banziger W Buttiker

J Med Entomol 6(1):53-58 REF

30 Jan 1969 421 J828

Eyes, Insect vectors, Lepidoptera, Medical entomology, Moths. French summary.

5750-69

TESTS OF LARVICIDES FOR CONTROL OF SALT-MARSH SAND FLIES (CULICOIDES), 1967.

B W Clements A J Rogers

Fla Anti-mosquito Ass Rep 39:33-42 REF

1968 420 F663

Ceratopogonidae, Crocote, Culicoides, Larvae, Larvicides.

- 5751-69**
FALCIPARUM MALARIA TRANSMISSIBLE FROM MONKEY TO MAN BY MOSQUITO BITE.
 P G Contacos W E Collins
Science 161(3836):56
 05 Jul 1968 470 SCI2
 Anopheles freeborni, Culicidae, Disease transmission, Human diseases, Insect vectors, Malaria, Monkeys, Parasitism, Plasmodium falciparum.
- 5752-69**
FACTORS INFLUENCING THE PERSISTENCE OF THE GRANULOSIS VIRUS OF PIERIS BRASSICAE IN THE ENVIRONMENT.
 W A L David
 174-178
 1967 SB932.15
 Biological control (insects), Environment, Granuloses, Insect diseases, Pieris brassicae.
- 5753-69**
CULEX NIGRIPALPUS: SEASONAL SHIFT IN THE BIRD-MAMMAL FEEDING RATIO IN A MOSQUITO VECTOR OF HUMAN ENCEPHALITIS.
 J D Edman D J Taylor
Science 161(3836):67-68
 05 Jul 1968 470 SCI2
 Culex nigripalpus, Encephalitis, Feeding, Human diseases, Insect behavior, Insect nutrition, Insect vectors, St. Louis encephalitis.
- 5754-69**
SOME BIRDS OF URUGUAY PARASITIZED BY ORNITHOCTONIA ERYTHROCEPHALA (DIPTERA, HIPPOBOSCIDAE).
 R Escalante
Brooklyn Entomol Soc Bull 55(3):62-63
 Jun 1960 420 B79
 Birds, Hippoboscidae, Insect vectors, Parasitic insects.
- 5755-69**
UNIQUE PROBLEMS IN INSECT AND PEST CONTROL OF NASA'S MISSISSIPPI TEST FACILITY.
 B J Ethridge F W Harden
Fla Anti-mosquito Ass Rep 39:50-52
 1968 420 F663
 Chemical control (insects), Chlorinated hydrocarbons, Culicidae, Formulations, Insect pests, Isopropoxyphenyl methylcarbamate, o-, Malathion, Naled, Organophosphorus compounds, Pest control, Polistes, Rodents.
- 5756-69**
REPORT OF THIRTY-NINTH ANNUAL MEETING.
Fla Anti-mosquito Ass Rep 184P
 1968 420 F663
 Chemical control (insects), Conferences, Culicidae, Insect pests, Insecticides.
- 5757-69**
ON THE LARVICIDAL ACTION OF CRUDE CASHEWNU SHELL OIL.
 A Joseph
Cur Sci 36(16):433
 20 Aug 1967 475 SCI23
 Anacardium occidentale, Chemical control (insects), Culex quinquefasciatus, Insect control, Insecticidal plants, Larvicides, Oils, Petroleum.
 Crude cashewnut oil was compared with crude petroleum oil for larvicidal quality. The mortality of Culex quinquefasciatus larvae after 1, 6, 12, and 24 hours was consistently higher for the cashewnut oil.
- 5758-69**
TRANSMISSION OF THE TULAREMIA PATHOGEN TO HOMOTHERMAL ANIMALS BY IXODES TICKS. (JPRS 44,105).
 K I Kondrashkina A D Luk'yanova V P Chudsova G A Kondrashkin
 13P REF
 22 Jan 1968 TRANSL. 16970
 Animal diseases, Disease transmission, Insect vectors, Ixodides, Microorganisms, Tularemia. Translation from Parazitologiya 1(5):405-411, 1967. Issued by CFSTI.
- 5759-69**
CONTROL OF ANOPHELINE SPECIES IN THE CANAL ZONE WITH ULTRA-LOW VOLUME SPRAYS OF MALATHION AND FENTHION.
 C S Lofgren R M Altman B M Glancey
Mosquito News 28(3):353-355
 Sep 1968 421 M85
 Anopheles, Chemical control (insects), Fenthion, Insecticidal aerosols, Malathion.
- 5760-69**
FIVE NEW CASES OF CHAGAS' DISEASE IN ZACATECAS AND JALISCO IN THE REPUBLIC OF MEXICO. (SP)
 C M Cuartero C Ponce E R Recio
Rev Invest Salud Publica 27(1):29-36 MAP
 Jan 1967 449.9 M572
 Blood, Culicidae, Human diseases, Insect vectors, Serological tests, Trypanosomiasis. English summary
- 5761-69**
SURVIVAL OF WESTERN EQUINE ENCEPHALITIS VIRUS IN TRIATOMINAE.
 J A Mangiafico L Whitman R C Wallis
J Med Entomol 5(4):469-473
 30 Oct 1968 421 J828
 Equine encephalomyelitis, Insect vectors, Medical entomology, Rhodnius prolixus, Triatoma infestans, Virology, Western equine encephalomyelitis virus.
- 5762-69**
SPECIES OF BORRELIA FROM A COLUMBIAN BAT. (NATALUS TUMIDIROSTRIS).
 C J Marinkelle E S Grose
Nature 218(5140):487 REF
 04 May 1968 472 N21
 Animal diseases, Animal vectors, Bats, Borrelia, Human diseases, Medical entomology.
- 5763-69**
MALARIA AND VICTORY IN VIETNAM.
 W Modell
Science 162(3860):1346-1352 REF
 20 Dec 1968 470 SCI2
 Anopheles quadrimaculatus, Chemical control (insects), Chlorinated hydrocarbons, DDT, Drug therapy, Human diseases, Insect vectors, Insecticides, Malaria, Pyrethrum. Many drugs were mentioned.
- 5764-69**
PUBLIC HEALTH PESTICIDES.
Pest Contr 37(3):15,16,19-22,24,26,28,30-32,34,36,38,40,42,44,48-49
 Mar 1969 449.8 EX8
 Aerial spraying, Chemical control (insects), Fumigation, Human diseases, Insect vectors, Insecticide residues, Insecticide resistant insects, Pesticides, Public health, Rodent control, Rodenticides.
- 5765-69**
IDENTIFICATION OF THE HOST RANGE OF CULEX TRITAENIORHYNCHUS MOSQUITOES ON OKINAWA, RYUKYU ISLANDS.
 N E Pennington C A Phelps
J Med Entomol 5(4):483-487
 30 Oct 1968 421 J828
 Culex tritaeniorhynchus, Culicidae, Feeding habits (insects), Insect identification, Insect vectors, Japanese b encephalitis, Medical entomology, Virus diseases.
- 5766-69**
IMMUNOLOGIC STRUCTURE OF THE POPULATION IN A FOOTHILL TAIGA FOCUS OF TICK-BORNE ENCEPHALITIS IN THE ZONE OF CONSTRUCTION OF THE KRASNOYARSKAYA HYDROPOWER STATION AFTER REALIZATION OF TICK CONTROL MEASURES. (RUS)
 L A Prisyagina
 Med Parazitol Parazitarn Bolezni 37(5,SEPT/OCT):591-595 REF
 1968 448.8 M469
 Encephalitis, Eradication, Human diseases, Immunity, Insect control, Insect vectors, Ixodides, Medical entomology. English summary.
- 5767-69**
WILD MAMMALS AND FLEAS OF RED BLUFF RANCH, NEW MEXICO.
 C D Rail D L Foreum J R Wheeler B E Miller
J Med Entomol 6(1):92-94
 30 Jan 1969 421 J828
 Ectoparasites, Insect vectors, Mammals, Medical entomology, Siphonaptera.
 The fleas discussed are: Meringis rectus, Meringis nidi, Orchopeas sexdentatus, Anomiopsyllus novomexicanensis, Hoplopsyllus glacialis affinis, Polygenus gwyni, Thrassis Otus, Meringis dipodomys, and Mcgarthroglossus bisetis.
- 5768-69**
WATER MANAGEMENT UNITS AND SHORE LINE MODIFICATIONS USED IN MOSQUITO CONTROL INVESTIGATIONS.
 D M Rees R N Winget
Mosquito News 28(3):305-311
 Sep 1968 421 M85
 Aedes, Aquatic birds, Aquatic insects, Insect control, Water treatment, Watershed management.
- 5769-69**
MOSQUITO CONTROL AND/OR HONEY BEES.
 F A Robinson
Fla Anti-mosquito Ass Rep 39:58-60
 1968 420 F663
 Apidae, Chemical control (insects), Culicidae, Fenthion, Insecticide application, Insecticides, Larvicides, Mortality, Pesticide residues, Plant contamination.
- 5770-69**
ATTRACTANTS AND ATTRACTANT TRAPS FOR EYE GNATS HIPPELATES PUSIO.
 J P Ruff
Fla Anti-mosquito Ass Rep 39:43-49
 1968 420 F663
 Attractants, Baits, Biological control (insects), Chloropidae, Conjunctivitis, Hippelates pusio, Insect traps, Insect vectors.
- 5771-69**
2,3-PENTANEDIONE AS AN ATTRACTANT FOR HIPPELATES (DIPTERA: CHLOROPIDAE).
 E L Snoddy
Mosquito News 28(3):320-322 REF
 Sep 1968 421 M85
 Attractants, Carbonyl compounds, Hippelates, Pentanedione, 2,3-.
 The carbonyl compound, 2,3-pentanedione is evaluated as an attractant for Hippelates.
- 5772-69**
EFFICACY OF USE OF SOME PHOSPHORIC ACID COMPOUNDS AS ACARICIDES IN FOCI OF TICK-BORNE ENCEPHALITIS. (RUS)
 I V Uspensky L N Barmina
Med Parazitol Parazitarn Bolezni 37(3,MAY-JUN):283-288 REF
 1968 448.8 M469
 Acaricides, Chemical control (insects), DDT, Dosage, Encephalitis, Insect vectors, Insecticide application, Ixodes persulcatus, Ixodides, Virus diseases (animals). English summary
- 5773-69**
EFFECTS OF SUBLETHAL DOSES OF DDT ON THE REPRODUCTION AND SUSCEPTIBILITY OF CULEX PIPIENS L.
 T M A Zaghloul A W A Brown
World Health Organ Bull 38(3):459-467 REF
 1968 449.9 W892B
 Culex pipiens, DDT, Dosage, Human diseases, Insect vectors, Insecticide resistant insects, Reproduction. French summary.

5774-69
SYNTHETIC ROUTES TO 1,1,1-TRICHLORO-2,2-BIS(P-CHLOROPHENYL) ETHANE-2-D, DEUTERO-DDT.

B Zimmerman
Diss Abstr Sect B 28(10):4081B
 Apr 1968 Z5055.U49D53

Aedes aegypti, Biochemistry, Chemical control (insects), Chemicals, DDT, Hydrogen, Immunity, Insect vectors, Insecticides.

CROP PROTECTION

5775-69

KOTA, A NEW SOUTH DAKOTA OAT.

R S Albrechtsen
S Dak Agr Exp Sta Bull (554):4P
 Feb 1969 100 SO82 (1)

Crop varieties, Oats, Plant breeding, Plant genetics.

5776-69

SPECIALIST ADVICE ON GROUNDNUTS.

F D Alvord
 1967 *MEETING*:36-39
 Jul 1967 S573.R45

Insect pests, Peanuts, Plant diseases, Plant protection, Tillage. In Rhodesia National Farmers' Union. Diversification guide from the RNFU Crops Conference.

5777-69

SOYA BEANS - SPECIALIST ADVICE.

E D Alvord
 1967 *MEETING*:48-49
 Jul 1967 S573.R45

Agricultural economics, Chemical control (weeds), Crop yields, Harvesting, Insect pests, Plant diseases, Soybeans, Tillage. In Rhodesia National Farmers' Union. Diversification guide from RNFU Crops Conference.

5778-69

FRUIT GROWING NOTE OF THE SEASON.

Anonymous
Agr Ferrarese 71(2):40-41
 28 Feb 1967 16 AG87

Crop losses, Cultural control (plant diseases), Fertilization (plants), Fruit culture, Pesticide application, Plant protection, Pruning.

5779-69

PESTICIDE USE.

Anonymous
Agr Chem 23(12):21,24
 Dec 1968 381 AG8

Chemical control (pests), Fungicides, Herbicides, Insecticides, Pesticides.

5780-69

CROP PROTECTION; COMPUTERS, SIMAZINE, CORN SEED BEETLE.

Anonymous
Crops Soils 21(5):25
 Feb 1969 6 W55

Birdsfoot trefoil, Chemical control (insects), Chemical control (weeds), Diazinon, Herbicides, Insect pests, Insecticides, Organophosphorus compounds, Plant protection, Simazine, Weather.

5781-69

INTERACTION OF SOIL REACTION AND METHOD OF SEED INOCULATION ON ALFALFA.

A S Baker W P Mortensen P Dermanis
Soil Sci Soc Amer Proc 32(6,NOV-DEC):823-827
 REF
 1968 56.9 SO3

Alfalfa, Limestone, Peat, Plant physiology, Seeds, Soil hydrogen-ion concentration.

5782-69

SOME OBSERVATIONS AND COMMENTS ON STEM-PITTING OF PEACH, ITS CONTROL AND A NURSERY IMPROVEMENT PROGRAM.

J G Barrat

Mountainer Grower (279):17,19,21,23

Feb 1969 80 M86

Disease transmission, Fruit culture, Nurseries, Peaches, Plant disease control, Plant physiology, Stem pitting, Stems, Symptomatology, Virus diseases (plants).

5783-69

COPPER AND MANGANESE CONTENT IN DIFFERENT VARIETIES OF SPRING AND WINTER WHEAT. (RUS)

N N Basargin L A Peregudova
Vop Pitan 27(3,MAY-JUN):78-81
 1968 389.8 V89

Copper, Crop varieties, Manganese, Methodology, Persulfates, Sodium diethyldithiocarbamate, Wheat.

5784-69

2,4-D METABOLISM. ENZYMATIC HYDROXYLATION OF CHLORINATED PHENOLS.

J M Bollag C S Helling M Alexander
J Agr Food Chem 16(5):826-828 REF
 Sep 1968 381 J8223

Arthrobacter, Bacteria, Biochemistry, Catechol, Chemical reactions, Chlorinated phenols, Enzymes, Extracts, Herbicides, Hydroxyl, Infrared spectra, Metabolism, Microbiology, Phenols, Phenoxyacetic acid, 2,4-d.

5785-69

2,4-D METABOLISM; ENZYMATIC DEGRADATION OF CHLOROCATECHOLS.

J M Bollag G G Briggs J E Dawson M Alexander
J Agr Food Chem 16(5):829-833 REF
 Sep 1968 381 J8223

Arthrobacter, Bacteria, Catechol, Chlorine, Enzymes, Herbicides, Iron, Metabolism, Microbiology, Oxygen, Phenoxyacetic acid, 2,4-d.

5786-69

PRACTICAL SOIL BIOLOGY. (GE)

A Brauns
 470P *STUTTGART, GUSTAV FISCHER VERLAG*
 1968 S591.B72

Ecology, Plant protection, Soil analysis, Soil biology, Soil fertility, Soil microorganisms, Soil science, Soil structure, Tillage. English summary.

5787-69

TIBA FRACTURES THE SOYBEAN YIELD BARRIER.

W L Colville
Crops Soils 21(7,APR-MAY):8-11
 1969 6 W55

Fertilizer application, Plant regulators, Soybeans, Triiodobenzoic acid, 2,3,5-.

5788-69

UTILITY VALUE OF DIFFERENT CULTIVATED MENTHA PIPERITA VARIETIES. (POL)

W Czabajka W Szulc
Poznan Inst Przemyslu Zielarskiego Biul
 13(4):200-210 REF
 1967 451 P87

Crop varieties, Drug plants, Mentha piperita, Plant morphology, Polyploidy, Statistical analysis. English and Russian summaries.

5789-69

THE PRESENT AND FUTURE SITUATION OF PEACH CULTURE IN FERRARA. (IT)

I Da Tripoli
Agr Ferrarese 71(3):45-55
 31 Mar 1967 16 AG87

Crop varieties, Fruit culture, Fungus diseases (plants), Insect pests, Peaches, Plant breeding, Plant protection.

5790-69

MODIFICATION OF GAMMA RAY MUTAGENIC ACTION BY TEMPERATURE SHOCK. (RUS)

V Dislers V Eizenbergs
Latv P Sr Zinat Akad Vestis (1):78-80
 1968 511 R442

Gamma rays, Mutagens, Peas, Plant genetics, Shock, Temperature.

5791-69

THE SUGAR BEET. (GE)

H E Fischer W Feucht W Furste M Kraft P Winter
Neue Brehm-bucherei (387):96P REF
 1968 409 N392

Fertilizers, Insect pests, Plant breeding, Plant diseases, Plant taxonomy, Planting, Sugar beets, Weed control.

5792-69

PESTICIDAL USE OF BENZOTHIOPHENES AND BENZOTHIENOTHIOPHENES. PATENT 3,433,874.

E J Geering
Us Patent Office Offic Gaz 860(3):910
 18 Mar 1969 156.65 OF2

Bacteria, Benzothienothiophenes, Benzothiophenes, Chemical control (pests), Fungi, Insect pests, Nematodes, Pesticides.

5793-69

SORGHUM - SPECIALIST ADVICE.

R N Graham
 1967 *MEETING*:57-59
 Jul 1967 S573.R45

Insect pests, Mechanization, Plant diseases, Plant protection, Rainfall, Seed planting, Sorghum. In Rhodesia National Farmers' Union. Diversification guide from The RNFU Crops Conference.

5794-69

THE DEVELOPING ASCOSPORE WALL OF HYPOXYLON FRAGIFORME.

G N Greenhalgh L V Evans
Roy Microscop Soc J 88(4):545-556 REF
 1968 440.9 R81J

Fungi, Hypoxylon fragiforme, Mycology, Spore germination.

5795-69

ENCYCLOPEDIA OF PHYTO-SANITARY TREATMENTS OF GRAPES IN CHAMPAGNE. (FR)

P Guillaume
Assoc. Des Mait. Agr. (Marne), Epernay, France
 28P

1967 SB608.G7G8

Bacterial diseases (plants), Fungus diseases (plants), Grape vineyards, Grapes, Insect pests, Pesticides, Plant pest control, Reference materials.

5796-69

CORN WITH BUILT-IN INSURANCE.

A Hallauer
Crops Soils 21(5):16-17
 Feb 1969 6 W55

Corn, Crop varieties, Crop yields, Quality control.

5797-69

BREEDING AND MANAGEMENT OF FORAGE CROPS IN THE EASTERN PLAINS.

A A Hanson
Amer Forage Grassland Council 3:7-14
 12 Jul 1967 60.19 J66

Alfalfa, Botany, Forage plants, Fungus diseases (plants), Insect control, Plant breeding, Plant protection, Weed control.

5798-69

COMPARATIVE BEHAVIOR OF THE OOSPORES AND OOGONIA OF PHYTOPHTHORA CITRICOLA DURING GERMINATION ON AN ARTIFICIAL MEDIUM.

A W Henry D Stelfox
Can J Bot 46(11):1419-1421
 Nov 1968 470 C16C

Culture media, Lighting, Phytophthora citricola, Reproduction, Research, Seed germination, Temperature.

5799-69

SPLASH DISPERSAL OF FUNGUS SPORES AND FUNGICIDES IN THE LABORATORY AND GREENHOUSE.

- E C Hislop
Ann Appl Biol 63(1):71-80 REF
Feb 1969 442.8 AN72
Botrytis fabae, Conidia, Fungi dissemination, Fungicides, Rainfall.
- 5800-69**
THE CLEARING OF UNDERBRUSH AND THE DESTRUCTION OF UNDESIREABLE VEGETATION IN THE FOREST. INVENTORY OF MATERIALS AND TECHNIQUES. (FR)
M Homberg
Centre Tech Bois Cah (SER 2)(78):75P REF
May 1968 99.82 C33
Equipment, Forest cutting systems, Forest management, Forests, Methodology, Roots, Tools, Tree control.
- 5801-69**
THE USE OF MICROBIOLOGICAL PREPARATIONS IN PLANT PROTECTION BASED ON ENTOMOPATHOLOGICAL BACTERIA BACILLUS THURINGIENSIS. (SE)
M Injac
Agrohemija (3/4):131-134
1968 385 AG87
Bacillus thuringiensis, Biological control (insects), Hyphantria cunea, Plant protection.
- 5802-69**
1969 FRUIT SPRAYING RECOMMENDATIONS FOR COMMERCIAL GROWERS.
B F Janson H Y Forsythe R L Miller B M Jones
Ohio State Univ Ext Bull 506:52P
1969 275.29 OH32
Chemical control (insects), Chemical control (plant diseases), Fruit, Insect pests, Insecticides, Plant diseases, Plant protection, Spraying. Many insecticides were recommended.
- 5803-69**
NURSERY STOCK, PLANTS, AND SEEDS. FOREIGN NURSERIES CERTIFIED AS PRODUCING SPECIFIED DISEASE-FREE MATERIAL.
F A Johnston
Fed Regist 34(101):8194-8195
27 May 1969 L1.451
Fruit nurseries, Malus, Pears, Plant protection, Plant quarantine, Prunus.
- 5804-69**
1969 FRUIT SPRAYING CALENDAR, FOR COMMERCIAL FRUIT GROWERS.
A L Jones A J Howitt A E Mitchell G R Hooper
Mich State Univ Ext Bull (154):46P
1969 275.29 M58B
Chemical control (insects), Chemical control (plant diseases), Fruit culture, Fungicides, Insecticides, Mice, Nematodes, Pesticide application, Rodent control, Soil fumigation, Spraying. Many insecticides and fungicides are listed. Also many different types of fruits are discussed.
- 5805-69**
SOIL SCIENCE AND AGRICULTURAL CHEMISTRY.
J S Kanwar D R Bhumbla
Rev Agr Res Punjab 1(PT 1):1-103 REF
1965 S280.P8K3
Agricultural chemistry, Fertilizers, Irrigation, Micronutrients, Plant diseases, Reviews, Soil science, Soil structure, Soil surveys.
- 5806-69**
REPORT ON EXPERIMENTS WITH VARIETIES OF MEDIUM EARLY TO LATE POTATOES FOR HUMAN CONSUMPTION AND INDUSTRIAL USE 1964-1966 (SERIES 46). (FR)
E R Keller
Agr Romande (SER A)7(6):75-79
Jun 1968 17 AG8
Crop varieties, Fungus diseases (plants), Human nutrition, Plant physiological diseases, Potatoes, Starches, Testing. Translation and condensation from Mittcilungen fur die Schweizerische Landwirtschaft 15(11):185-202, 1967.
Translated by J. Munster.
- 5807-69**
COTTON AS A SUPPLEMENT TO TOBACCO.
J W Kirkpatrick
1967 MEETING:21-22
Jul 1967 S573.R45
Cotton, Equipment, Harvesting, Herbicides, Insect control, Tobacco, Weed control. In Rhodesia National Farmers' Union. Diversification guide from the RNFU Crops Conference.
- 5808-69**
PEST CONTROL AS AN OCCUPATION, FORMERLY AND NOW. II. (GE)
H Kliewe W Hoos
Prakt Schadlingsbekampfer 20(9):121-124
Sep 1968 421 P882
Hygiene, Pest control, Pesticides, Plant protection.
- 5809-69**
CONVERSION OF DDT TO DDD IN SOIL AND THE EFFECT OF THESE COMPOUNDS ON SOIL MICROORGANISMS.
W H Ko J L Lockwood
Can J Microbiol 14(10):1069-1073 REF
Oct 1968 448.8 C162
Agar, Alfalfa, Bacteria, Chemical reactions, DDT, Insecticide residues, Nutrient solutions (plants), Soil microorganisms, TDE.
- 5810-69**
VIRUS ENHANCEMENT WITH A GROWTH PRODUCT OF STREPTOMYCES SCABIES. I. PRODUCTION AND PROPERTIES OF SCABEN.
J Konowalchuk
Can J Microbiol 14(10):1079-1083 REF
Oct 1968 448.8 C162
Cytology, Extracts, Fungi, Plant physiology, Research, Streptomyces scabies, Time, Tissue culture, Viruses.
- 5811-69**
VIRUS ENHANCEMENT WITH A GROWTH PRODUCT OF STREPTOMYCES SCABIES. II. INCREASED RELEASE OF COXSACKIEVIRUS B5 FROM HEP-2 MONOLAYERS TREATED WITH SCABEN.
J Konowalchuk J I Spicars
Can J Microbiol 14(10):1111-1114
Oct 1968 448.8 C162
Agar, Coxsackie viruses, Extracts, Fungi, Plant physiology, Research, Streptomyces scabies, Tissue culture, Viruses.
- 5812-69**
PLANT PROTECTORS.
W H Koscesan
Oreg Agrirec (239):11-12
Sep 1968 2 OR3
Insect pests, Insect traps, Inspection (agricultural products), Plant diseases, Plant protection, Plant quarantine, Surveys.
- 5813-69**
A CONTRIBUTION TO THE KNOWLEDGE OF HETEROISIS IN POTATO. (RUS)
L I Kostina
Genetika 4(8):182-184
1968 QH431.A1G4
Growth factors, Heterosis, Plant breeding, Plant ecology, Plant genetics, Plant physiology, Potatoes. English summary
- 5814-69**
DISEASES AND PESTS OF COCONUT IN KERALA.
S B Lal
Indian Farming 18(2):11-15
May 1968 22 IN283
Bud-rot, Coconuts, Curelionidae, Fungus diseases (plants), Insect pests, Leaf spot, Nephantis scripota, Plant diseases, Plant protection, Scarabacidae, Stem bleeding, Wilt, Xyloryctes jamaicensis.
- 5815-69**
EFFECTS OF INSECTICIDES ON INSECTS AND PATHOGENIC FUNGI ASSOCIATED WITH ALSIKE CLOVER ROOTS.
C M Leach E A Dickason A E Gross
J Econ Entomol 54(3):543-546, 12 REFS.
Jun 1961 421 J822
Aldrin, Alsike clover, DDT, Fusarium, Heptachlor, Phoma, Vericillium.
- 5816-69**
PRELIMINARY INVESTIGATIONS ON THE PHENOMENON OF PHOTOLUMINESCENCE OF SEEDS OF SOYBEAN. (POL)
A Litynski T Drogoszewska
Warsaw Inst Hodowli Aklimatyacji Roslin Byul 81(6):53-56
1967 64.9 W26
Absorption, Crop varieties, Luminescence, Seeds, Soybeans, Ultraviolet rays. English summary.
- 5817-69**
MAN INSECTS AND PESTICIDES.
J V Loeblich
Nations Agr 44(2):18-21
Feb 1969 280.82 B89
Chemical control (pests), Crops, Fruit, Insect pests, Peanuts, Pesticides, Plant diseases, Vegetables.
The proper pesticide to use and the correct method and the exact amount to get maximum results are discussed.
- 5818-69**
THIRD CONTRIBUTION TO THE KNOWLEDGE OF KERATINOLYTIC AND KERATINOPHILIC SOIL FUNGI IN THE REGION OF SZCZECIN.
I Majehrowicz T Dominik
Ekol Pol Ser A (SER A)16(4):121-145 REF
1968 512 W263
Bog soils, Keratins, Microorganisms, Podzol soils, Soil fungi. Polish summary. 62 species of soil fungi were isolated.
- 5819-69**
SCIENCE AND SENSE. AS PRESENTED TO THE WEED SOCIETY OF AMERICA, FEBRUARY 8, 1966.
L A McLean
12P
Feb 1966 SB959.M3
Agricultural industries, Agricultural legislation, Chemical control (pests), Chlorinated hydrocarbons, DDT, Environment, Pesticide residues, Pesticides.
- 5820-69**
PESTICIDE APPLICATION FOR FRUIT TREES AT THE OF WINTER AND IN THE SPRING. (IT)
T Melloni
Agr Ferrarese 71(1):3-13
31 Jan 1967 16 AG87
Apples, Chemical control (insects), Chemical control (plant diseases), Fruit culture, Fungus diseases (plants), Insect pests, Peaches, Pears, Pesticide application.
Article includes timetables showing which fungicide or insecticide to use at the proper time for the protection of apple- and pear-trees.
- 5821-69**
PRODUCTION OF MAIZE IN TOBACCO AREAS.
E M Micklem
1967 MEETING:8-10
Jul 1967 S573.R45
Agricultural economics, Corn, Plant pest control, Seed planting, Tillage, Tobacco. In Rhodesia National Farmers' Union. Diversification guide from the RNFU Crops Conference.
- 5822-69**
ULTRA LOW VOLUME SPRAYING OF COTTON.
A W D Millar
Rhodesian Farmer 39(2):15-16
24 May 1968 24 R347
Aerial spraying, Chemical control (pests), Cotton, Insecticide application, Malathion, Oils, Phytotoxicity.

5823-69

5823-69

NOTES ON PESTICIDES AND WEEDICIDES.

T D Mukerjia

Tocklai Exp Sta Newsltt 13(3):112-114

Sep 1966 68.18 T93

Acaricides, Chemical control (pests), Herbicides, Insecticides, Lumber preservatives, Regulations, Scarabacidae. A continuation from 13(1), March, 1966.

A list of pesticides which have been withdrawn and a revised list of approved pesticides is given.

5824-69

AVENA MAGNA: AN IMPORTANT NEW TETRAPLOID SPECIES OF OATS.

H C Murphy K Sadanaga F J Zillinsky E E

Terrell R T Smith

Science 159(3810):103-104

05 Jan 1969 470 SCI2

Crop varieties, Oats, Plant morphology, Polyploidy.

5825-69

HORTICULTURE.

J P Nauriyal K L Chadha K S Nandpuri

Rev Agr Res Punjab 2(PT 3):1-38 REF

1965 S280.P8K3

Fruit, Horticulture, Research, Reviews, Vegetables.

5826-69

RANGE RECOVERY AND PRODUCTION AS INFLUENCED BY NITROGEN AND 2,4-D TREATMENTS.

J T Nichols W E McMurphy

J Range Manage 22(2):116-119 REF

Mar 1969 60.18 J82

D, 2,4-, Fertilizers, Forage plants, Grasses, Nitrogen, Phenoxy acid compounds, Ranges.

5827-69

THE PRESENT STATUS OF RICE PEST RESEARCH AND CONTROL. A LITERATURE REVIEW. (GE)

B Ohnesorge

Berlin Biol Bundesanst Land-forstwirtschaftl Mitt (129):71P REF

Aug 1968 410.9 G31M

Biological control (pests), Bird pests, Chemical control (pests), Crop losses, Cultural control (plant diseases), Insect ecology, Insect pests, Insect taxonomy, Plant nematodes, Plant pest control, Reviews, Rice, Rodents, Snails.

5828-69

BREEDING POTATOES FOR RESISTANCE TO WART AND GOLDEN NEMATODE.

O A Olsen

Canada Agr 14(1,WINTER):12-13

1969 7 R31

Crop varieties, Fungus diseases (plants), Heterodera rostochiensis, Plant breeding, Plant nematodes, Plant pest resistance, Potatoes, Synehytrium endobioticum.

5829-69

RESPONSE OF PINES IRRADIATED WITH LETHAL AND SUBLETHAL DOSES OF GAMMA-RADIATION.

J P Okukewick S E Herrick

Nature 214(5087):514-515

29 Apr 1967 472 N21

Dosage, Gamma rays, Irradiation, Lethal factor, Mortality, Pinus strobus, Pinus thunbergi, Plant physiology.

5830-69

SOYA BEANS - PRACTICAL ASPECTS.

J Pickering D Blyth

1967 MEETING:51-53

Jul 1967 S573.R45

Agricultural economies, Harvesting, Pest control, Seed planting, Seed treatment, Soybeans, Weed control. In Rhodesia National Farmers' Union. Diversification guide from RNFU Crops Conference.

5831-69

HERBICIDE ACTION ON FUSARIUM GRAMINEARUM SCHW. (RUM)

V Popescu

Cluj Univ Babes Bolyai Stud Ser Biol 13(1):63-67

REF

1968 442.9 C62

Atrazine, Chemical control (pests), D, 2,4-, Gibberella zeae, Herbicides, Phenoxy acid compounds, Simazine. French and Russian summaries.

5832-69

GROWING VEGETABLES IN SOUTH DAKOTA.

P Prasher D M Martin

S Dak State Univ Ext Ext Circ (668):20P

1968 275.29 SO85

Chemical control (insects), Chemical control (weeds), Fungicides, Fungus diseases (plants), Herbicides, Insect pests, Insecticides, Mulches, Plant disease control, Plant physiology, Storage, Vegetables, Weeds.

5833-69

GUIDELINES FOR PRODUCTION OF VEGETABLES FOR PROCESSING IN ARKANSAS.

C Priece

Ark Agr Exp Sta Spec Rep (16):38P

Nov 1968 100 AR42SP

Insect pests, Plant diseases, Production economics, Productivity, Vegetables. Includes estimated crop losses from diseases and insects, and estimated pesticide costs.

5834-69

A BIOCHEMICAL MECHANISM OF NATURAL RESISTANCE OF APPLE TO VENTURIA INAEQUALIS.

J Raa A K Sijpestoijn

Neth J Plant Pathol 74(6):229-231

1968 464.8 T44

Apples, Fungus diseases (plants), Genetics, Plant biochemistry, Plant disease resistance, Seab, Venturia inaequalis. Dutch summary.

5835-69

ECDYSONES AND ANALOGS: EFFECTS ON DEVELOPMENT AND REPRODUCTION OF INSECTS.

W E Robbins J N Kaplanis M J Thompson T J

Shortino C F Cohen

Science 161(3846):1158-1160

13 Sep 1968 470 SCI2

Biological control (insects), Chemosterilants, Insect diets, Insect physiology, Plant protective devices, Steroids.

5836-69

EFFECTS OF AGE, BURIAL, AND REGION ON GERMINATION AND VIABILITY OF HALOGETON SEED.

W C Roboeker M C Williams R A Evans P J

Torell

Weed Sci 17(1):63-65

Jan 1969 79.8 W41

Halogeton glomeratus, Longevity, Plant physiology, Planting, Seed germination.

5837-69

THE WEED VEGETATION OF FLOWER BEDS AND IRRIGATED CULTIVATIONS IN CAIRO AND SOME ADJACENT PROVINCES.

A Saarisalo

5(3):166-168 REF

1968

Broadbeans, Flowers, Food plants, Gladiolus, Oxalis violacea, Peas, Plant geography, Strawberries, Trigonella, Vegetation, Weeds.

5838-69

SOME PROBLEMS OF PLANT-PARASITE RELATIONSHIP.

A Savulescu V Esanu

Rev Roumaine Biol Ser Bot 11(5):381-392 REF

1966 OK1.R4

Biosynthesis, Host indexing (plants), Immunity, Microorganisms, Parasitism, Plant pest resistance, Plant physiology, Plant protective devices.

5839-69

VEGETATIVE REPRODUCTION IN WESTERN IRONWEED.

C J Scifres M K McCarty

Weed Sci 17(1):104-108 REF

Jan 1969 79.8 W41

Plant anatomy, Plant histology, Plant physiology, Plant reproduction, Plant translocation, Vernonia, Weeds.

5840-69

GRANNY SMITH VERSUS JONATHAN.

W J Sell

Victorian Hort Dig 13(1,FEB/APR):22-25

1969 80 V662

Aphididae, Apples, Bitter pit, Controlled atmosphere storage, Crop varieties, Eriosoma lanigerum, Plant diseases, Seald.

5841-69

PESTS AND DISEASES OF ARECANUT.

S N Seshadri T S S Rawther

Indian Farming 18(4):24-26

Jul 1968 22 IN283

Area caetheu, Fungicides, Fungus diseases (plants), Insect pests, Insecticides, Mites, Plant diseases, Plant protection.

5842-69

PEST AND DISEASE CONTROL ASPECT OF CHANGING CROPPING PATTERNS.

S Singh

Pesticides 1(5):28-32

Jan 1968 SB951.P43

Crop varieties, Harvesting date, Plant disease control, Plant pest control, Planting date.

5843-69

NATURAL DURABILITY OF SOME WOODS USED IN HAWAII; PRELIMINARY FINDINGS.

R G Skolmen

USDA Forest Serv Res Note PSW- (167):7P

1968 A99.9 F7652

Environment, Plant disease resistance, Plant pest resistance, Termites, Wood durability. Fourteen species of wood are discussed.

5844-69

PLANT PROTECTION. BULLETIN OF THE PLANT PROTECTION STATION OF GENEVA. JANUARY. (FR)

Rev Horticole Suisse 41(1):26-27

Jan 1968 80 R3212

Chemical control (insects), Fruit culture, Fungicides, Fungus diseases (plants), Hibernation, Horticulture, Insect pests, Ornamental plant s.

5845-69

REPORT ON FOREST RESEARCH FOR THE YEAR ENDED MARCH 1968.

J R Taom

Great Brit Forest Comm Rep Forest Res 193P

MAP REF

1968 99.9 G795RE

Chemical control (weeds), Environment, Forest insects, Forest management, Forest nurseries, Forestry, Nutrition, Photography, Reports, Silviculture, Statistics, Tree diseases.

5846-69

QUANTITATIVE GENETIC ESTIMATES FOR BROWN SPOT RESISTANCE IN CORN.

D L Thompson

Crop Sci 9(2,MAR-APR):246-247

1969 64.8 C883

Brown spot, Corn, Fungus diseases (plants), Plant breeding, Plant disease resistance, Plant genetics, Population statistics.

5847-69

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

W Tornow

Gesunde Pflanzen 20(8):164-173 (CONT.) REF

Aug 1968 464.8 G33

Developing areas, Plant protection.

- 5848-69
EFFECT OF THE LOW TEMPERATURE TREATMENT OF THE WET CULTURE ASPERGILLUS ORYZAE 8F1 AND GERMINATED SEED ON THE INCREASE OF THE FERMENTATION ACTIVITY. (RUS)
A I Veselov E V Koltsova
Priklad Biokhim Mikrobiol Akad Nauk SSSR 3(4,JUL/AUG):422-426
1967 385 P93
Aspergillus oryzae, Fermentation, Growth factors, Plant biochemistry, Seed germination, Temperature. English summary.
- 5849-69
PLANT PROTECTION IS ALSO HEALTH PROTECTION. (GER)
K Warmbrunn
Prakt Schadlingsbekamper 20(9):124-125
Sep 1968 421 P882
Accident prevention, Chemical control (pests), Dosage, Pesticides, Plant protection, Public health, Regulations.
- 5850-69
FIGS FOR COMMERCIAL AND HOME ORCHARDS IN LOUISIANA.
B W Wascom E N O'Rourke W A Young
La State Univ Ext Ext Pub (1529):19P
Apr 1968 275.29 L93EP
Chemical control (insects), Crop varieties, Fertilizers, Figs, Fruit, Insect pests, Plant diseases, Plant propagation.
- 5851-69
KENAF PROMISING AS PROFIT CROP.
G A White
Amer Tung News 19(11):6-8
Nov 1968 307.8 AM33
Agricultural research, Anthracnose, Colletotrichum, Crop varieties, Fertilizers, Kenaf, Plant disease resistance, Planting, Profits. Article is continued next month.
- 5852-69
COMBINING ABILITIES AND RELATIVE DOMINANCE AMONG MAIZE INBREDS FOR RESISTANCE TO EARWORM INJURY.
N W Widstrom J J Hamm
Crop Sci 9(2,MAR-APR):216-219 REF
1969 64.8 C883
Corn, Heliothis zea, Insect pests, Plant breeding, Plant genetics, Plant injuries, Plant pest resistance.
- 5853-69
MANURES AND FERTILIZERS.
K S Yawalker J P Agarwal S Bokde
Agrihorticultural Publishing House, Nagpur, India 288P
1967 S633.5.14Y3
Dosage, Fertilizers, Manures, Micronutrients, Plant nutrition, Plant protection, Soil amendments.
- DISEASES**
- 5854-69
CONTROL OF SMUT ON SUGARCANE. REGULATION OF VARIETIES OF SUGARCANE WHICH CAN BE CULTIVATED IN THE STATE OF SAO PAULO. (POR)
Biologico 33(7):155
Jul 1967 442.8 B529
Crop varieties, Fungus diseases (plants), Plant breeding, Plant disease resistance, Smut, Sugarcane, Ustilago scitaminea.
- 5855-69
HELMINTHOSPORIUM SOLANI.
Commonwealth Mycol Inst Cmi Desc Path Fungi Bact 17(161-170):166
1968 462.7 C73
Fungus diseases (plants), Helminthosporium, Plant geography, Potatoes, Scurf, Seed-borne plant diseases.
- Description of a fungal pathogen of potatoes, its geographical distribution and etiology.
- 5856-69
CHANGES IN GROWTH AND METABOLISM OF EXCISED PEA ROOTS ASSOCIATED WITH IRON DEFICIENCY. I. CHANGES IN NUMBER OF CELLS, NITROGENOUS CONSTITUENTS AND RESPIRATION RATE.
A J Abbott
New Phyto Logist 67(4):947-961 REF
Oct 1968 450 N42
Culture media, Iron, Peas, Plant metabolism, Plant nutritional deficiencies, Plant physiology, Plant respiration, Roots.
- 5857-69
HOT-WATER TREATMENT OF SEED AS A METHOD FOR DECREASING THE INCIDENCE OF CERTAIN COTTON AND FLAX SEEDLING DISEASES.
M A Abd-el-Rehim S H Michail H Elarosi E A Khairy
Ann Appl Biol 63(1):95-102 REF
Feb 1969 442.8 AN72
Cotton, Flax, Fungus diseases (plants), Fusarium oxysporum lini, Fusarium oxysporum vasinfectum, Plant physiology, Rhizoctonia solani, Seed treatment, Thermotherapy.
- 5858-69
THE PRESENT STATUS OF VIRUS DISEASES OF RICE IN CEYLON.
D V W Abeygunawardena
Baltimore, John Hopkins Press. 53-57
1969 NB633.C2
Cicadellidae, Insect vectors, Plant disease resistance, Rice, Stunt, Virus diseases (plants), Yellow dwarf.
- 5859-69
GROWING CAMELLIAS.
U S D A Home Gard Bull (86):12P
Mar 1969 1 AG84HG
Aleyrodidae, Camellia, Coleoptera, Dieback, Insect pests, Mites, Pantomorus godmani, Plant diseases, Plant injuries, Planting, Pseudococcidae, Scales (insects).
- 5860-69
THE GERMINATION OF CONIDIA AND THE APPRESSORIUM FORMATION OF ALTERNARIA PORRI ON THE SURFACE OF ONION LEAVES. (JA)
S Akai N Ishida M Fukutomi
Kyoto Univ Forsch Geb Pflanzenkrankh 7(6):67-70 REF
1967 464.9 K98
Alternaria porri, Conidia, Fungus diseases (plants), Helminthosporium oryzae, Onions, Seed germination, Waxes. English summary.
- 5861-69
AN X-RAY DIFFRACTION STUDY OF A TOBACCO MOSIAC VIRUS MUTANT. (FR)
G Albiser F Colonna-Cesari P Horn G Lebeurier L Hirth
Acad Sci Compt Rend Ser D Sci Nat 266(11, 1ST SEMESTER):1179-1181
11 Mar 1968 505 P21
Mosaic, Tobacco, Virus diseases (plants), Virus mutation, X-ray diffraction.
- 5862-69
OCCURENCE AND HOST RANGE OF ASCOCHYTA PHASEOLORUM IN QUEENSLAND.
J L Alcorn
Australian J Biol Sci 21(6):1143-1151
Dec 1968 442.8 AU72
Ascochyta, Epidemiology, Fungus diseases (plants), Host indexing (plants), Kidney beans, Plant injuries.
- 5863-69
AN AERIAL VIEW OF TAKE-ALL.
Anonymous
Farmer Stockbreeder 83(4133):41,43
25 Feb 1969 10 F228
Aerial photography, Cultural control (plant diseases), Drainage, Grain, Take-all.
- 5864-69
ARSENAL FOR DISEASE CONTROL.
Anonymous
Amer Veg Grower 17(1):20,34
Jan 1969 80 C733
Chemical control (plant diseases), Early blight, Fungicides, Fungus diseases (plants), Late blight, Pesticide application, Potatoes, Rhizoctonia, Soil-borne plant diseases, Spraying, Wilt. Many fungicides were evaluated.
- 5865-69
BLACK SPOTS OF APPLES: A WARNING SERVICE FOR FRUIT GROWERS.
Anonymous
J Agr 66(9):354
Sep 1968 23 V66J
Apples, Black spot, Fungus diseases (plants), Plant disease control, Spraying, Venturia inaequalis.
- 5866-69
ANTHRACNOSE RESISTANCE IN ANTHURIUM.
M Aragaki H Kamemoto K M Maeda
Hawaii Agr Exp Sta Tech Progr Rep (169):10P
Dec 1968 100 H313P
Anthracnose, Anthurium, Fungus diseases (plants), Plant disease resistance, Tables (data).
- 5867-69
PHYSIOLOGICAL STUDIES ON PHOMA BETAE FRANK AND RHIZOCTONIA SOLANI(PRILL AND DELACR.) BOURD AND GALZ WHICH CAUSE DAMPING-OFF AND ROOT DISEASES OF SUGAR BEET IN EGYPT.
W A Ashour A R Sirry F A M Fadl
An Agr Sci 10(1):213-244 REF
Jun 1965 24 AN72
Crop losses, Damping-off, Fungus diseases (plants), Phoma betae, Plant physiology, Rhizoctonia solani, Roots, Sphaerioidaeac, Sugar beets. Arabic summary.
- 5868-69
A MODIFIED SOIL PERCOLATOR FOR ZOO-SPORE PRODUCTION AND INFECTION IN STUDIES ON ZOOSPORIC ROOT PATHOGENS.
R G Atkinson
Can J Plant Sci 47(3):332-334
May 1967 450 C16
Equipment, Fungi, Phytophthora, Soil percolation, Spores.
- 5869-69
PHOMA DESTRUCTIVA, ITS VARIABILITY, HOST RANGE AND VARIETAL REACTION OF TOMATOES.
K S Aulakh S Malhotra R K Grover
Plant Dis Rep 53(3):219-222
Mar 1969 1.9 P69P
Fungus diseases (plants), Phoma, Plant disease resistance, Rot, Tomatoes.
- 5870-69
IT TAKES MORE THAN TENDER, LOVING CARE TO PREVENT BLACKSPOT.
D B Bakes
*Spudman (WINTER):*24-26,32
1969 75.8 SP93
Agricultural industries, Black spot, Insects, Plant diseases, Plant injuries, Plant nutrition, Plant physiology, Plant water relations, Potatoes, Storage, Temperature, Weather.
- 5871-69
ERYSIPHACEAE (MYCOPHYTA) IN THE NATURE PRESERVE OF CHEILE TURZIL. (RUM)
M Beehet
Cluj Univ Babes Bolyai Stud Ser Biol 13(1):57-62 REF
1968 442.9 C62
Erysiphaceae, Fungus diseases (plants), Parasitism, Zoogeography. French and Russian summaries. 46 Erysiphaceae species are listed on 124 plant hosts.

5872-69

INFLUENCE OF SOIL TEMPERATURE ON THE DEVELOPMENT OF PEA ROOT ROT.

W G Benedict

Can J Bot 47(4):567-574 REF

Apr 1969 470 C16C

Fungus diseases (plants), Peas, Root rot, Soil temperature.

5873-69

SPREAD OF FOMES ANNOSUS ROOT ROT IN THINNED SHORTLEAF PINE PLANTATIONS.

F H Berry

U S Forest Serv Res Note NE- (87):4P

1968 A99.9 F7622U

Fomes annosus, Fungus diseases (plants), Plant disease transmission, Root rot.

5874-69

SHIFTING OF VIRUS Y FROM STEMS TO TUBERS IN DEPENDENCE ON THE PLANT AGE. (POL)

M Birecki W Bartoszek

*Inst Uprawy Nawozenia Gleboznawstwa Pam**Pulawski* 26:57-70

1967 64.9 IN7

Plant disease resistance, Plant senescence, Plant tissues, Plant translocation, Potatoes, Virology, Virus diseases (plants), Virus Y. English and Russian summaries.

5875-69

RESULTS OF TESTS OF WHEAT VARIETIES AS TO THEIR RESISTANCE AGAINST GRAIN DISEASES, CARRIED OUT IN THE RECLAIMED LAND OF THE NORTH EAST BETWEEN 1961 AND 1964. (GE)

H Bockmann

Stichting Ned Graan-cent Tech Ber 17:5-15

Dec 1967 59.9 ST52TB

Crop varieties, Crop yields, Fungus diseases (plants), Fusarium culmorum, Plant breeding, Plant disease resistance, Septoria nodorum, Wheat.

5876-69

RESULTS FROM THE INTERNATIONAL SEPTORIA ASSORTMENT IN 1966. (GE)

H Bockmann

Stichting Ned Graan-cent Tech Ber 17:29-33

Dec 1967 59.9 ST52TB

Crop varieties, Crop yields, Fungus diseases (plants), Septoria, Tables (data), Testing.

5877-69

METABOLIC ACTIVITY OF PEA ROOT RIBOSOMES UNDER CONDITIONS OF BORON DEFICIENCY.

G P Borshchenko E A Sherstnev

Soviet Plant Physiol 15(4,JUL/AUG):602-603

1968 450 F58AE

Boron, Carbon isotopes, Micronutrients, Peas, Plant nutritional deficiencies, Protein synthesis, Ribosomes, Roots, Tyrosine. Translated from *Fiziologiya Rastenii*, 15(4,Jul/Aug): 720-721, 1968. translated from the Russian.

5878-69

APPLE SCAB, PECAN SCAB, AND THE DURATION OF LEAF WETNESS.

P M A Bourke

Plant Dis Rep 53(3):240

Mar 1969 1.9 P69P

Apples, Fungus diseases (plants), Pecans, Scab, Temperature, Water.

5879-69

RESULTS OF INSECTICIDE AND FUNGICIDE TESTS, CARRIED OUT IN 1966, BY THE VEGETABLE PROTECTION SERVICE. (FR)

H Bouron

Phytoma 19(191,SEP-OCT):49-51

1967 464.8 P563

Botrytis cinerea, Chemical control (plant diseases), Fruit, Fungicides, Fungus diseases (plants), Grape vineyards, Insecticides, Vegetables.

5880-69

PHOSPHORUS, POTASSIUM, CALCIUM AND MAGNESIUM REQUIREMENTS OF MARYLAND TOBACCO GROWN ON MONMOUTH SOIL.

J D Bowling

Md Agr Exp Sta Bull (151):48P REF

Jul 1967 100 M36S

Calcium, Fertilizers, Magnesium, Micronutrients, Phosphorus, Plant biochemistry, Plant nutrition, Potassium, Soil properties, Tables (data), Tobacco.

5881-69

COLLECTED PAPERS ON CEREAL DISEASES. (SEPTORIA, FUSARIUM, YELLOW RUST). (DU)

S Brockhuizen

Stichting Ned Graan-cent Tech Ber 17:91P

Dec 1967 59.9 ST52TB

Conferences, Fungus diseases (plants), Fusarium, Grain, Reports, Septoria, Stripe rust.

5882-69

SNAPDRAGON RUST.

H C Burnett

Fla Dep Agr Div Plant Indus Tri-ology Tech Rep

7(5):15-16

May 1968 423.9 F6622

Antirrhinum majus, Fungus diseases (plants), Puccinia antirrhini, Rust, Symptomatology.

5883-69

FUNGICIDES AND TURF DISEASE CONTROL - 1964.

J D Butler M P Britton

Turfgrass Conf Proc 5:26-28

03 Dec 1964 SB433.14

Agrostis, Brown patch, Chemical control (plant diseases), Dollar spot, Fungicides, Grasses, Helminthosporium, Leaf spot, Pythium ultimum, Rhizoctonia solani. The fungicides discussed were: Memmi, Thiram, Difolitan, Dithane M-45, Dyrene, DAC-2787, and Ortho.

5884-69

A NEW NEEDLE DISEASE OF HARD PINES IN OREGON AND CALIFORNIA.

H H Bynum D R Miller

Plant Dis Rep 53(3):232-234

Mar 1969 1.9 P69P

Fungus diseases (plants), Hypodermella, Pinus attenuata, Pinus ponderosa.

5885-69

THE OCCURRENCE OF COUPEA MOSAIC VIRUS IN THE STATE OF SAO PAULO. (POR)

J Caner K Silberschmidt E Flores

Biologico 35(1):13-16

Jan 1969 442.8 B529

Beans, Electron microscopy, Mosaic, Soybeans, Virus diseases (plants). English abstract.

5886-69

ANTHRACNOSE IN BEANS: DETERMINATION AND VARIATIONS IN THE MALONIC ACID CONTENT IN THE DIFFERENT PARTS OF HEALTHY AND PARASITIZED PLANTS. (FR)

G Cavalié

Acad Sci Compt Rend Ser D Sci Nat 265(22, 2ND SEMESTER):1706-1708

27 Nov 1967 505 P21

Anthracnose, Colletotrichum lindemuthianum, Fungus diseases (plants), Histochemistry, Kidney beans, Malonic acid, Plant physiology.

5887-69

AN ANTIVIRAL PRINCIPLE FROM TOMATOES SYSTEMICALLY INFECTED WITH TOBACCO MOSAIC VIRUS.

K C Chadha B H MacNeill

Can J Bot 47(4):513-518 REF

Apr 1969 470 C16C

Mosaic, Plant extracts, Tomatoes, Virology, Virus diseases (plants).

5888-69

BIBLIOGRAPHY OF SOYBEAN DISEASES.

D W Chamberlain B R Lipscomb

Department Of Agriculture, Washington, D. C.

98P REF

Jul 1967 ASB205.S7C4

Bacterial diseases (plants), Bibliography, Fungus diseases (plants), Soybeans, Virus diseases (plants).

5889-69

SAPROPHYTIC SURVIVAL OF OPHIOBOLUS GRAMINIS ON VARIOUS HOSTS.

S C Chambers N T Flentje

Australian J Biol Sci 21(6):1153-1161 REF

Dec 1968 442.8 AU72

Barley, Fungus diseases (plants), Lolium rigidum, Ophiobolus graminis, Saprophytes, Straw, Wheat.

5890-69

MECHANISMS OF PATHOGENESIS IN SCLEROTIUM BATATICOLA ON SUNFLOWERS. I. PRODUCTION AND TRANSLOCATION OF A NECROSISINDUCING TOXIN.

Y-h Chan W E Sackston

Can J Bot 47(7):1147-1151 REF

Jul 1969 470 C16C

Fungus diseases (plants), Leaf spot, Necrosis, Pathogenesis, Plant diseases, Sclerotium bataticola, Sunflowers, Toxicology, Toxins, Translocation.

5891-69

CHANGES IN AMINO-ACID CONTENT OF AMARANTHUS TRICOLOR LEAVES INFECTED WITH ALTERNARIA SP..

D Chandramohan A Mahadcvan G Rangaswami

Cur Sci 36(3):80-81

05 Feb 1967 475 SCI23

Alternaria, Amaranthus, Amino acids, Fungus diseases (plants), Plant biochemistry.

5892-69

DWARFMISTLETOE EFFECTS ON PONDEROSA PINE GROWTH AND TRUNK FORM.

T W Childs J W Edgren

Forest Sci 13(2):167-174

Jun 1967 99.8 F7632

Arecuthobium, Pinus ponderosa, Tree diseases.

5893-69

ELYTRODERMA DISEASE OF PONDEROSA PINE (PINUS PONDEROSA) IN THE PACIFIC NORTHWEST.

T W Childs

US Forest Serv Res Pap PNW (69):45P

1968 A99.9 F7625UNI

Fungus diseases (plants), Needle blight, Pinus ponderosa, Plant injuries.

5894-69

THE EFFECT OF VIRAL INFECTION ON THE TOTAL CHOLINE CONTENT IN POTATO AND BLACK CURRANT LEAVES. (LA)

E Cielens G Muceniece

Latv P Sr Zinat Akad Vestis (7):73-79 REF

1968 511 R442

Choline, Crop varieties, Currants, Plant nutrition, Potatoes, Virus diseases (plants). English summary.

5895-69

HOSTS AND GEOGRAPHIC DISTRIBUTION OF SCIRRHIA PINI--THE CAUSE OF RED BAND NEEDLE BLIGHT IN CALIFORNIA.

F W Cobb D R Miller

J Forest 66(12):930-933 MAP REF

Dec 1968 99.8 F768

Fungus diseases (plants), Pinus, Red band (pinus), Zoogeography.

5896-69

A STUDY OF FACTORS INFLUENCING THE GENETICS OF REACTION OF BARLEY TO ROOT ROT CAUSED BY HELMINTHOSPORIUM SATIVUM.

E Cohen S B Helgason W C McDonald

Can J Bot 47(3):429-443 REF

Mar 1969 470 C16C

Barley, Crop varieties, Fungus diseases (plants), Helminthosporium sativum, Plant disease resistance, Plant genetics, Root rot.

- 5897-69**
CONTROLLING INSECTS AND DISEASES ON TREES.
 M E Coon
Amer Nurseryman J 129(8):40-43
 15 Apr 1969 80 AM371
 Chemical control (plant diseases), Fungicides, Fungus diseases (plants), Insect control, Insect pests, Spraying, Temperature, Trees.
- 5898-69**
ABSORPTION OF BORON BY BARTLETT PEARS.
 P C Crandall C G Woodbridge
Pacific Northwest Fert Conf Proc 19:117-118
 16 Jul 1968 57.9 P11
 Absorption, Boron, Chemical control (plant diseases), Pears, Plant nutritional deficiencies.
- 5899-69**
FUNGISTATIC AND FUNGICIDAL EFFECTS OF CERTAIN ORGANIC PRODUCTS ON SOME FUNGI CAUSING DISEASES IN VEGETABLES. (RUM)
 A Crisan E Singeorzan
Cluj Univ Babes Bolyai Stud Ser Biol 13(1):11-15
 1968 442.9 C62
 Alternaria capsici-annui, Botrytis allii, Captan, Chemical control (plant diseases), Chlorinated hydrocarbons, Ferbam, Folpet, Fungicides, Fungus diseases (plants), Helminthosporium, Legumes, Maneb, Thiocarbamates, Vegetables, Verticillium, Zinc propylenebis(dithiocarbamate), Zineb. French and Russian summaries. The following fungicides were tested: anatracol, captan, falthan, polyram combi, carbadin, mane b and ferbam.
- 5900-69**
CONTRIBUTION TO THE KNOWLEDGE OF THE MYCOFLORA OF THE APUS MOUNTAINS. (RUM)
 A Crisan
Cluj Univ Babes Bolyai Stud Ser Biol 13(1):7-10
 REF
 1968 442.9 C62
 Deuteromycetes, Fungus diseases (plants), Mycoflora, Phycomyces. French and Russian summaries. 34 species are listed of which 20 are new for Rumania.
- 5901-69**
THE OCCURRENCE OF WILT IN WATERMELON IN THE STATE OF SAO PAULO. (POR)
 B P B Cruz A P da Silveira J P da S Filho
Biologico 33(1):5-8 REF
 Jan 1967 442.8 B529
 Fungus diseases (plants), Fusarium, Plant disease resistance, Watermelons, Wilt.
- 5902-69**
NEW DEVELOPMENTS IN THE TREATMENT OF BANANAS BEFORE PACKING. (FR)
 J Cuille L Bur-Ravault
Fruits 23(7,JUL-AUG):351-356,397
 1968 80 F9492
 Bananas, Chemical control (plant diseases), Fungus diseases (plants), Gloeosporium musarum, Thiazolyl-benzimidazole, 2-(4-. English summary.
- 5903-69**
PECTIC AND CELLULOLYTIC ENZYMES PRODUCED BY MYCOSPHAERELLA CITRULINA AND THEIR RELATION TO BLACK ROT OF SQUASH.
 T Curren
Can J Bot 47(5):791-794 REF
 May 1969 470 C16C
 Black rot, Enzymes, Fungus cultures, Fungus diseases (plants), Mycosphaerella citrullina, Squash.
- 5904-69**
BOTRAN USED AS AN ORCHARD SPRAY VS. BOTRAN IN THE HYDROCOOLER AND CONTROL OF POST-HARVEST DECAY OF PEACHES.
 R H Daines
N J State Hort Soc Hort News 48(4):3-5
 Jul 1967 81 N46
 Captan, Chemical control (plant diseases), Dichloro-4-nitroaniline, 2,6-, Fungus diseases (plants), Orchards, Peaches, Rhizopus, Rot, Spraying, Water.
- 5905-69**
DISEASES OF THE SEED POTATO; HOW TO RECOGNIZE THEM BEFORE PLANTING.
 H Davies
Farmers Weekly 70(6):70
 07 Feb 1969 10 F2226
 Cultural control (plant diseases), Fungus diseases (plants), Plant protection, Potatoes, Seeds, Virus diseases (plants).
 The diseases mentioned were dry rot, gangrene, black leg, tuber blight, pink rot, watery wound rot, skin spot, black scurf, scab, powdery scab, leaf roll and rough mosaic.
- 5906-69**
POSSIBILITIES FOR INTER- AND INTRACELLULAR TRANSLOCATION OF SOME ICOSAEDRAL PLANT VIRUSES.
 G A De Zoeten G G aard
J Cell Biol 40(3):814-823 REF
 Mar 1969 442.8 J828
 Beans, Mosaic, Plant physiology, Tomatoes, Virology, Virus diseases (plants).
- 5907-69**
IDENTIFICATION OF SOYBEAN MOSAIC VIRUS IN VENEZUELA. (SP)
 E A Debrot C C E Benitez de Rojas
Agron Trop 17(2,APR-JUN):75-86 REF
 1967 26 AG87
 Crop varieties, Disease transmission, Mosaic, Myzus persicae, Soybeans, Virology, Virus diseases (plants). English summary.
- 5908-69**
MOBILIZATION FACTORS IN UREDOSPORES AND BEAN LEAVES INFECTED WITH BEAN RUST FUNGUS.
 H M Dekhuijzen R C Staples
Boyce Thompson Inst Contrib 24(3,APR-JUN):39-51 REF
 Jun 1968 451 B69
 Beans, Biological assay, Fungus diseases (plants), Plant biochemistry, Rust (beans), Spores, Uromyces.
- 5909-69**
EFFECT OF 6-AZAUACIL AGAINST APPLE POWDERY MILDEW AND APPLE SCAB.
 J Dekker G S Roosje
Neth J Plant Pathol 74(6):219-226
 1968 464.8 T44
 Apples, Chemical control (plant diseases), Fungicides, Fungus diseases (plants), Podosphaera leucotricha, Powdery mildew, Scab, Triazinc-3,5(2H,4H)-dione, 6-as-, Venturia inaequalis.
- 5910-69**
THE OCCURRENCE OF SOME PREVIOUSLY UNREPORTED DISEASES OF POTATOES IN MEXICO.
 S Delgado-Sanchez L Fucikovskiy M Cadena-Hinojosa
Plant Dis Rep 53(3):189-190
 Mar 1969 1.9 P69P
 Chemical control (plant diseases), Chlorinated hydrocarbons, Fungicides, Fungus diseases (plants), Pentachloronitrobenzene, Phytophthora infestans, Plant geography, Potatoes, Rhizoctonia solani.
- 5911-69**
POTATO EARLY BLIGHT AND STORAGE ROT.
West Aust J Agr (SER 4) 10(1):20-21
 Jan 1969 23 W52J
 Alternaria solani, Chemical control (plant diseases), Early blight, Fungus diseases (plants), Maneb, Maneb (zinc ion), Potatoes, Rot, Spraying, Storage diseases, Symptomatology, Zineb.
- 5912-69**
BACTERIAL BLIGHT DISEASE OF CYNODON DACTYLON PERS..
 S G Desai M K Patel A B Gandhi W V Kotasthanc
Cur Sci 36(8):213-214
 20 Apr 1967 475 SCI23
 Bacterial diseases (plants), Bacteriology, Cynodon dactylon, Xanthomonas.
- 5913-69**
SEPARATION OF TOP AND BOTTOM COMPONENTS OF ALFALFA MOSAIC VIRUS BY COMBINED DIFFERENTIAL AND DENSITY GRADIENT CENTRIFUGATION.
 P R Desjardins R L Steere
Arch Gesamte Virusforsch 26(1-2):127-137 REF
 Feb 1969 448.3 AR23
 Alfalfa, Centrifugation, Mosaic.
- 5914-69**
EFFECT OF 6-AZAUACIL ON INFECTION WITH TOBACCO MOSAIC VIRUS.
 J Dijkstra J J S van Rensen
Neth J Plant Pathol 74(6):193-201
 1968 464.8 T44
 Chemical control (plant diseases), Mosaic, Tobacco, Triazinc-3,5(2H,4H)-dione, 6-as-, Virology, Virus diseases (plants). Dutch summary.
- 5915-69**
CHEMICALS FOR CONTROL OF CABBAGE CLUBROOT - PLASMODIOPHORA BRASSICAE WOR. IV. EFFECT ON THE PATHOGEN. (BU)
 S Dimitrov
Horticult Viticult Sci 5(2):51-58 REF
 1968 87 G75
 Alkalies, Cabbage, Calcium, Chemical control (plant diseases), Chemicals, Clubroot, Fungicides, Fungus diseases (plants), Microorganisms, Plasmodiophora brassicae, Potassium. English and Russian summaries.
- 5916-69**
COPPER DEFICIENCY IN CITRUS.
 S F Du Plessis
Farming S Afr 44(8):67-68
 Nov 1968 24 SO842
 Citrus, Copper, Deficiency diseases, Plant biochemistry, Plant nutrition, Plant physiology.
- 5917-69**
INTERACTIONS OF OOSPORA PUSTULANS, RHIZOCTONIA SOLANI AND HETERODERA ROSTOCHIENSIS ON THE POTATO.
 E Dunn W A Hughes
Europe Potato J 10(4):327-328
 Dec 1967 75.8 EU7
 Fungus diseases (plants), Heterodera rostochiensis, Oospora pustulans, Plant nematodes, Plant physiology, Potatoes, Rhizoctonia solani, Soil microorganisms.
- 5918-69**
THE RESPIRATORY PATHWAYS OF TOBACCO LEAVES INFECTED WITH POTATO VIRUS X.
 M M Dwurazna M Weintraub
Can J Bot 47(5):731-736 REF
 May 1969 470 C16C
 Plant extracts, Plant respiration, Tobacco, Virus diseases (plants), Virus X.
- 5919-69**
RESPIRATION OF TOBACCO LEAVES INFECTED WITH DIFFERENT STRAINS OF POTATO VIRUS X.
 M M Dwurazna M Weintraub
Can J Bot 47(5):723-730 REF
 May 1969 470 C16C
 Plant respiration, Tobacco, Virus diseases (plants), Virus X.
- 5920-69**
BORAX AND CONTROL OF STUMP INFECTION BY FOMES ANNOSUS IN WESTERN HEMLOCK.
 R L Edmonds
Plant Dis Rep 53(3):216-219 MAP
 Mar 1969 1.9 P69P

Borax, Boron compounds, Fomes annosus, Fungus diseases (plants), Stumps, Tsuga heterophylla.

5921-69

TRANSMISSION AND TRANSLOCATION OF RED CLOVER VEIN MOSAIC VIRUS IN CLOVER.

S M El-Kandolgy R D Wilcoxson
Plant Dis Rep 53(3):200-203 REF
Mar 1969 1.9 P69P

Alsike clover, Clover, Gomphrena globosa, Mosaic, Plant disease transmission, Plant translocation, Red clover, Seedlings, Sweetclover, Virus diseases (plants).

5922-69

EFFECT OF RED CLOVER VEIN MOSAIC VIRUS ON DRY WEIGHT OF TISSUES OF GOMPHRENA GLOBOSA.

S M El-Kandolgy R D Wilcoxson
Plant Dis Rep 53(3):198-199
Mar 1969 1.9 P69P

Clover, Gomphrena globosa, Mosaic, Plant physiology, Virus diseases (plants).

5923-69

RELATION OF BEET YELLOWS VIRUS TO THE PHLOEM AND TO MOVEMENT IN THE SIEVE TUBE.

K Esau J Cronshaw L L Hoefert
J Cell Biol 32(1):71-87 REF
Jan 1967 442.8 J828

Beets, Phloem, Plant morphology, Plant physiology, Virus diseases (plants), Yellows.

5924-69

FACTORS AFFECTING INFECTION OF BALSAM FIR (ABIES BALSAMEA) BY STEREOUM SANGUINOLENTUM IN QUEBEC.

D E Etheridge
Can J Bot 47(3):457-479 REF
Mar 1969 470 C16C

Abies balsamea, Fungus diseases (plants), Humidity, Stereum sanguinolentum, Tables (data), Temperature. French summary.

5925-69

BREEDING FOR SEPTORIA AND FUSARIUM RESISTANCE IN WHEAT. (DU)

W Feekes T Wicent
Stichting Ned Graan-cent Tech Ber 17:43-67
Dec 1967 59.9 ST52TB

Crop varieties, Crop yields, Fungus diseases (plants), Fusarium, Plant breeding, Plant disease resistance, Septoria, Tables (data), Wheat.

5926-69

ITALIAN BEET CULTURE. THE DISEASES: FUNGI AND VIRUSES. (IT)

F Ferri
Agricoltura 17(6):58-71
Jun 1968 16 AG8226

Beets, Fungus diseases (plants), Insect vectors, Micronutrients, Plant disease control, Plant nutritional deficiencies, Virus diseases (plants). English and French summaries.

5927-69

STUDIES ON THE APPLICATION OF THE CASTELLANI METHOD OF PRESERVING PLANT PATHOGENIC FUNGI. (POR)

M B Figueroa
Biologico 33(1):9-13
Jan 1967 442.8 B529

Culture media, Fungus diseases (plants). English abstract.

5928-69

RESISTANCE OF GENES ISOLATED FROM AVENA STERILIS TO ISOLATES OF OAT CROWN RUST PREVALENT IN CANADA IN 1968.

G Fleischmann
Can J Bot 47(4):623
Apr 1969 470 C16C

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

5929-69

BIOSYNTHESIS OF FURANOCOUMARINS IN DISEASED CELERY.

H G Floss H Guenther L A Hadwiger
Phytochemistry 8(3):585-588
Mar 1969 450 P5622

Celery, Formates, Fungus diseases (plants), Methionine, Plant biochemistry, Sclerotinia sclerotiorum.

5930-69

PURIFICATION OF POTATO VIRUS X AND PREPARATION OF INFECTIOUS RIBONUCLEIC ACID BY DEGRADATION WITH LITHIUM CHLORIDE.

R I B Francki G D McLean
Australian J Biol Sci 21(6):1311-1318 REF
Dec 1968 442.8 AU72

Degradation, Lithium chloride, Methodology, Potatoes, Purification procedures, Ribonucleic acid, Virus diseases (plants), Virus X.

5931-69

VERTICILLIUM WILT OF GROUNDNUT IN ISRAEL: SCREENING FOR VARIETAL RESISTANCE.

Z R Frank J Krikun
Israel J Agr Res 18(2):83-85
Apr 1968 107 J552

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

5932-69

MYCOLOGICAL INVESTIGATIONS ON FIELD RETTING OF FIBER FLAX, SPECIES AND DISTRIBUTION.

P S Frederiksen
Fibra 13(2):9-22
Aug 1968 73.8 F44

Fiber plants, Flax, Fungus diseases (plants), Geography, Mycology, Research. French summary.

Abstract: 98 Percent of mycological flora is Cladosporium herbarum, Penicillium, Aspergillus, Pullularia pullans, Rhodotorula, and Cryptococcus.

5933-69

A NEW RACE OF SPHACELOTHECA REILIANA IN SOUTH TEXAS.

R A Frederiksen D T Rosenow L Reyes L K Edmunds
Plant Dis Rep 53(3):171-172
Mar 1969 1.9 P69P

Plant disease resistance, Soils, Sorghum, Sphaeclotheca reiliana.

5934-69

THE POSSIBILITY OF ESTIMATING LOOSE SMUT IN A SEED LOT OF BARLEY WITH REGARD TO THE INCREASE FROM ONE GENERATION TO THE NEXT. (SW)

T Fritz
Sweden Statens Cent Frokontrollanst M eddel (43):42-44
1968 61.9 SW3

Barley, Fungus diseases (plants), Laboratories, Loose smut, Methodology, Seeds, Statistical methods, Testing. English summary.

5935-69

THE OCCURRENCE AND OBSERVATION OF PUCCINIA STRIIFORMIS IN THE STATE OF WASHINGTON. (GE)

E Fuhs
Stichting Ned Graan-cent Tech Ber 17:85-91
Dec 1967 59.9 ST52TB

Biology, Epidemiology, Fungus diseases (plants), Plant breeding, Plant disease resistance, Puccinia striiformis, Stripe rust, Wheat.

5936-69

POTEBNIAMYCES (PHACIDIELLA) DISEASE OF THE TRUE FIRS IN BRITISH COLUMBIA.

A Funk
Can J Bot 47(5):751-753
May 1969 470 C16C

Abies amabilis, Abies grandis, Abies lasiocarpa, Fungus diseases (plants), Potebniamyces.

5937-69

POOR STANDS OF CORN AND REDUCTION OF ROOT GROWTH CAUSED BY FUSARIUM MONILIFORME.

M C Futrell M Kilgore
Plant Dis Rep 53(3):213-215
Mar 1969 1.9 P69P

Corn, Fungus diseases (plants), Fusarium moniliforme, Plant diseases, Plant physiology, Roots, Seedlings.

5938-69

HOJA BLANCA DISEASE OF RICE.

G E Galvez E
Baltimore, John Hopki ns Press. 35-49 REF
1969 NB633.C2

Cicadellidae, Hoja blanca, Plant disease resistance, Rice, Virus diseases (plants).

5939-69

IDENTIFICATION OF RACES OF PIRICULARIA ORYZAE IN COLOMBIA.

G E Galvez-E J C Lozano-T
Phytopathology 58(3):294-296 REF
Mar 1968 464.8 P56

Fungus diseases (plants), Piricularia oryzae, Plant taxonomy, Rice. Spanish summary.

5940-69

TRANSMISSION OF HOJA BLANCA VIRUS OF RICE.

G E Galvez E
Baltimore, John Hopkins Press. 155-163 REF
1969 NB633.C2

Cicadellidae, Hoja blanca, Plant disease transmission, Rice, Soils, Virus diseases (plants).

5941-69

THE ACTION OF CALCIUM CYANAMIDE ON THE DEVELOPMENT OF SOME BASIDIOMYCETES OF WOOD. (IT)

P Gambogi
Agr Ital (N s) 23(1, JAN-FEB):35-38
1968 16 AG8259

Armillaria mellea, Basidiomycetes, Calcium cyanamide, Chemical control (plant diseases), Fomes annosus, Fungicides, Fungus diseases (plants), Plant physiology, Wood. English summary.

5942-69

STUDIES ON THE ATTACK BEHAVIOR OF THE SOUTHERN PINE BEETLE. I. THE SPREADING AND COLLAPSE OF OUTBREAKS.

R I Gara
Boyce Thompson Inst Contrib 23(10, APR-JUN):349-354
Jun 1967 451 B69

Demography, Dendroctonus frontalis, Insect behavior, Insect outbreaks, Phermones.

5943-69

ARE SICK PLANTS DANGEROUS. (FR)

R Geoffrin
Phytoma 20(195):35-40
Feb 1968 464.8 P563

Antibiotics, Aspergillus flavus, Aspergillus oryzae, Beauveria, Grain, Human diseases, Micronutrients, Muscardine, Mycosis, Plant diseases, Rhagoletis cerasi.

5944-69

DOGWOOD DISEASES.

Ga Univ Ext Leaflet (36):3P
Mar 1969 275.29 G29L

Accident prevention, Anthracnose, Blight, Capitan, Chlorinated hydrocarbons, Cornus, Folpet, Fungicides, Fungus diseases (plants), Leafspot, Maneb, Thiocarbamates.

5945-69

ISOLATION AND PURIFICATION OF MYCOPLASM-TYPE MICROORGANISMS AFTER THE GRAPES ATTAIN A YELLOWISH GILD. (FR)

J Giannotti A Caudwell C Vago J L Duthoit
Acad Sci Compt Rend Ser D Sci Nat 268(5, 1ST SEMESTER):845-847 REF
03 Feb 1969 505 P21

Bacterial diseases (plants), Grapes, Microorganisms.

5946-69
EPIDEMIOLOGY OF COTTON LEAF-CURL VIRUS IN THE SUDAN.

O H Giha M A Nour
Empire Cotton Growing Rev 46(2):105-118 REF
Apr 1969 72.8 EM7
Aleyrodidae, Cotton, Insect vectors, Leaf curl, Plant disease transmission, Virus diseases (plants).

5947-69
BUTT ROT IN YELLOW-POPLAR SEEDLING-SPROUT STANDS.

J H Ginns R P True
Forest Sci 13(4):440-447 REF
Dec 1967 99.8 F7632
Armillaria mellea, Butt rot, Fungus diseases (plants), Fusarium, Liriodendron tulipifera, Marasmiomycetes, Trichoderma.

5948-69
STUDIES ON STEREOUM SANGUINOLENTUM IN KENYA PINE PLANTATIONS.

H D Griffin
Can J Bot 47(5):761-771 REF
May 1969 470 C16C
Fungus diseases (plants), Microorganisms, Pinus patula, Stereum sanguinolentum.

5949-69
A D SEROTYPE OF SATELLITE VIRUS SPECIFICALLY ASSOCIATED WITH A D SEROTYPE OF TOBACCO NECROSIS VIRUS.

R G Grogan J K Uycmoto
Nature 213(5077):705-707
18 Feb 1967 472 N21
Methodology, Necrosis, Tobacco, Virology, Virus diseases (plants).

5950-69
PRELIMINARY CONSIDERATIONS ON THE STUDY OF RESISTANCE OF FRUIT TREES TO SILVER-LEAF DISEASE. (FR)

C Grosclaude
Rev Zool Agr Appl 67(7-9, 3RD TRIMESTER):73-81 REF
1968 410.9 SO12
Fruit trees, Fungus diseases (plants), Plant disease resistance, Silver leaf, Stereum purpureum. English abstract.

5951-69
CHEMICAL CONTROL OF BEAN BACTERIAL DISEASES IN WISCONSIN.

D J Hagedorn E K Wade G Weis
Plant Dis Rep 53(3):178-181
Mar 1969 1.9 P69P
Bacterial diseases (plants), Bactericides, Beans, Brown spot, Chemical control (plant diseases), Copper, Halo blight, Plant diseases, Pseudomonas phaseolicola, Pseudomonas syringae, Spraying.

5952-69
GROWTH OF THE RUST FUNGUS CRONARTIUM RIBICOLA IN TISSUE CULTURES OF PINUS MONTICOLA.

A E Harvey J L Grasham.
Can J Bot 47(5):663-666 REF
May 1969 470 C16C
Cronartium ribicola, Fungus diseases (plants), Mycelium, Pinus monticola.

5953-69
THE INHERITANCE OF RESISTANCE TO POWDERY MILDEW IN THE CANTALOUPE VARIETY SEMINOLE.

R R Harwood D Markarian
J Hered 59(2,MAR-APR):126-130
Apr 1968 442.8 AM3
Cantaloupes, Crop varieties, Erysiphe cichoracearum, Fungus diseases (plants), Genes, Plant disease resistance, Plant genetics, Powdery mildew.

5954-69
STUDIES ON THE CONTROL OF THE ANTHRACNOSE OF ACACIA DEALBATA CAUSED BY GLOMERELLA CINGULATA STONEM. (JA)

H Hashimoto
Fukuoka-Ken Forest Exp Sta Bull (20):1-29 REF
Mar 1968 99.9 F95
Acacia, Anthracnose, Bordeaux mixture, Chemical control (plant diseases), Dithane, Fungus diseases (plants), Glomerella cingulata, Seed treatment. English summary.

5955-69
PONDEROSA PINE DWARF MISTLETOE IN RELATION TO TOPOGRAPHY AND SOILS ON THE MANITOU EXPERIMENTAL FOREST, COLORADO.

F G Hawksworth
Pacific Southwest Forest Range Exp Sta Res Note PSW- (107):4P
1968 A99.9 F7632US
Arceuthobium, Parasitism, Pinus ponderosa, Soil series, Topography.

5956-69
FACTORS INFLUENCING DISEASE DEVELOPMENT OF PUTTING GREEN TURF.

M J Healy
Turfgrass Conf Proc 6:33-39
1965 SB433.14
Fungus diseases (plants), Glutamine, Helminthosporium sorokinianum, Humidity, Leaf spot, Plant extracts, Turf.

5957-69
A SYSTEMIC FUNGICIDE EFFECTIVE AGAINST SOUR ORANGE SCAB DISEASE.

C J Hearn J F L Childs
Plant Dis Rep 53(3):203-205
Mar 1969 1.9 P69P
Benomyl, Citrus, Ferbam, Fungicides, Fungus diseases (plants), Mandarin oranges, Scab, Sphaecloma fawcetti.

5958-69
WHEAT AND STEM RUST - SPECIALIST ADVICE.

G W Herd
1967 MEETING:26-27
Jul 1967 S573.R45
Fungus diseases (plants), Plant protection, Rust (wheat), Stem rust (wheat), Weather, Wheat. In Rhodesia National Farmers' Union. Diversification guide from the RNFU Crops Conference.

5959-69
HOME FRUIT SPRAY GUIDE.

L B Hertz J A Lofgren H G Johnson
Minn Univ Ext M- (184):8P
1969 275.29 M66P
Accident prevention, Chemical control (pests), Fire blight, Fruit, Fungicides, Grubs, Insecticides, Maggots, Spraying.

5960-69
PROGRESS THROUGH RESEARCH- BLUE MOULD OF TOBACCO.

A V Hill
Aust Tob Growers Bull (13):2-5
1968 69.8 AU72
Chemical control (plant diseases), Crop varieties, Downy mildew, Fungicides, Fungus diseases (plants), Leaves, Plant breeding, Plant disease resistance, Research, Seed-borne plant diseases, Spraying, Tobacco.

5961-69
RELATIONSHIPS OF THE CLOVER ROOT CURCULIO, FUSARIUM WILT, AND BACTERIAL WILT IN ALFALFA.

R R Hill R C Newton K E Zeiders J H Elgin
Crop Sci 9(3,MAY-JUN):327-329
May 1969 64.8 C883
Alfalfa, Bacterial diseases (plants), Bacterial wilt, Corynebacterium insidiosum, Fusarium, Root rot, Sitona hispidula.

5962-69
STUDIES WITH TWO SYSTEMIC FUNGICIDES, BENLATE AND THIABENDAZOLE.

R B Hine D L Johnson C J Wenger M Simbwa-Bunnya
Arizona Agricultural Experiment Station, Tucson. SER.P-15:64-68
Feb 1969 S544.3.A6A7
Butylcarbamoyl-2-benzimidazole N-methylcarbamate, 1-(, Carbamates, Cotton, Fungus diseases (plants), Penicillium expansum, Phymatotrichum omnivorum, Systemic fungicides, Thiazolyl)-benzimidazole, 2-(4-, Verticillium albo-atrum, Wilt.

5963-69
MILK-VETCH DWARF VIRUS. (JA)

T Hino T Inouye N Inouye K Mitsuhashi
Nogaku Kenkyu 52(1):1-9
Mar 1968 22.5 N684
Astragalus, Dwarf disease, Virus diseases (plants).

5964-69
FUNGICIDES FOR ARABICA COFFEE. VIII--PRELIMINARY RELATIONSHIPS AMONG SOME NEW FUNGICIDES, LEAF RUST (HEMILEIA VASTATRIX) AND LEAF FALL.

D Hocking
Trop Sci 44(1):83-87
Jan 1967 26 T756
Coffee, Fungicides, Fungus diseases (plants), Hemileia vastatrix, Leaf fall, Leaf rust.

5965-69
THE STRIPE SMUT PROBLEM IN MERION BLUEGRASS.

C Hodges M P Britton
Turfgrass Conf Proc 8:1-3 REF
07 Dec 1967 SB433.14
Cultural control (plant diseases), Fungus diseases (plants), Poa, Rhizomes, Seed-borne plant diseases, Stripe smut, Symptomatology.

5966-69
PRELIMINARY OBSERVATIONS PLACED IN EVIDENCE THAT PHAGES OF AGROBACTERIUM TUMEFACIENS ARE RESPONSIBLE FOR CROWN-GALL. (FR)

D Hoursiangou-Neubrun S Puisieux-Dao
Acad Sci Compt Rend Ser D Sci Nat 268(11, 1ST SEMESTER):1493-1494
17 Mar 1969 505 P21
Agrobacterium tumefaciens, Bacterial diseases (plants), Bacteriophages, Crown galls, Datura stramonium, Plant cytology, Plant disease transmission.

5967-69
FIELD BIOLOGY AND CONTROL OF PHYTOPHTHORA PARASITICA ON PAPAYA (CARICA PAPAYA) IN HAWAII.

J E Hunter I W Buddenhagen
Ann Appl Biol 63(1):53-60
Feb 1969 442.8 AN72
Captan, Chemical control (plant diseases), Chlorinated hydrocarbons, Copper sulfate, Drosophila, Fungus diseases (plants), Insect vectors, Maneb, Papayas, Phytophthora parasitica, Tetrachloroethylthio)-4-cyclohexene-1,2-dicarboximide, t.

5968-69
DWARF, YELLOW DWARF, STRIPE, AND BLACK-STREAKED DWARF DISEASES OF RICE.

T T Iida
Baltimore, John Hopkins Press. 3-11 REF
1969 NB633.C2
Black-streaked dwarf, Cicadellidae, Dwarf disease, Laodelphax striatellus, Nephotettix, Rice, Stripe, Yellow dwarf.

5969-69
THE EXPRESSION OF R-GENE RESISTANCE TO PHYTOPHTHORA INFESTANS IN TISSUE CULTURES OF SOLANUM TUBEROSUM.

D S Ingram
J Gen Microbiol 49(1):99-108
Oct 1967 448.3 J823

Fungus diseases (plants), Phytophthora infestans, Plant disease resistance, Plant genetics, Potatoes, Tissue culture.

5970-69

SOME EXPERIMENTS ON THE TRANSMISSION OF CYMBIDIUM MOSAIC VIRUS AND ODONTOGLOSSUM RINGSPOT VIRUS. (JA)

N Inouye

Nogaku Kenkyu 52(2):89-97 REF

Jun 1968 22.5 N684

Cymbidium, Infectious diseases, Mosaic, Odontoglossum, Research, Ring spot, Virus diseases (plants).

5971-69

STUDIES ON HOST RANGE OF PVY - GROUP VIRUSES IN LEGUMINOUS PLANTS IN JAPAN, AND THE IDENTIFICATION OF THEM BY THE SELECTED DIFFERENTIAL TEST PLANTS. (JA)

T Inouye

Nogaku Kenkyu 52(1):11-29 REF

Mar 1968 22.5 N684

Chenopodium amaranticolor, Host indexing (plants), Leguminosae, Research, Virus diseases (plants).

5972-69

STUDIES ON THE VIRUSES OF PLANTS IN COMPOSITAE IN JAPAN. I. TOMATO ASPERMITY VIRUS FROM CHRYSANTHEMUM. (JA)

T Inouye M Asatani K Mitsuhashi

Nogaku Kenkyu 52(2):55-62 REF

Jun 1968 22.5 N684

Aspermy, Chrysanthemum, Compositae, Tomato, Virus diseases (plants).

5973-69

THE VIRUS DISEASES OF THE RICE PLANT. PROCEEDINGS OF A SYMPOSIUM AT THE INTERNATIONAL RICE RESEARCH INSTITUTE, APRIL, 1967.

Baltimore, John Hopkins Press. 354P.

1969 NBS633.C2

Rice, Symposia, Virus diseases (plants).

5974-69

PEANUT POD INVASION BY FUNGI IN THE PRESENCE OF LESION NEMATODES IN GEORGIA.

C R Jackson N A Minton

Ollagineux 23(819,AUG-SEP):531-534

1968 77.8 OL2

Aspergillus flavus, Dibromo-3-chloropropane, 1,2-, Fungi, Fungus diseases (plants), Meloidogynae, Nematodes, Peanuts, Plant nematodes, Plant physiology, Pratylenchus brachyurus.

5975-69

TESTING SLASH PINE FOR RUST RESISTANCE.

F F Jewell S L Mallett

Forest Sci 13(4):413-418

Dec 1967 99.8 F7632

Cronartium, Plant disease resistance, Rust.

5976-69

STRAINS OF THE FUNGUS THIELAVIOPSIS BASICOLA (BERK. ET BR.) FERR. ISOLATED FROM THE ROOTS OF BLUE LUPIN (LUPINUS ANGSTIFOLIUS L.). (POL)

Z Jeziorska Z Miczyńska

*Inst Uprawy Nawożenia Gleboznawstwa Pam**Pulawski* 28:109-116

1967 64.9 IN7

Black root rot, Blue lupine, Fungus diseases (plants), Plant breeding, Plant disease resistance, Roots, Thielaviopsis basicola, Tobacco. English and Russian summaries.

5977-69

ALFALFA DISEASES.

H Johnson

Miss Agr Exp Sta Bull (767):12P

Nov 1968 100 M69

Alfalfa, Bacterial diseases (plants), Fungus diseases (plants), Plant disease control, Plant disease resistance, Virus diseases (plants).

5978-69

TROPICAL CROP LOSSES WITH SPECIAL REFERENCE TO RICE.

A Johnston

Commonwealth Phytopathol News (PT 5):4P

Sep 1968 464.8 C73

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

5979-69

THE BEHAVIOR OF POTATO MOP-TOP VIRUS IN SOIL, AND EVIDENCE FOR ITS TRANSMISSION BY SPONGOSPORA SUBTERRANEA (WALLR.) LAGERH.

R A C Jones B D Harrison

Ann Appl Biol 63(1):1-17 REF

Feb 1969 442.8 AN72

Mop top, Plant disease transmission, Potatoes, Soil-borne plant diseases, Spongospora subterranea, Virology, Virus diseases (plants).

5980-69

CONTROLLING DISEASES OF DWARF WHEATS.

I. M Joshi A S Prabhu S Singh

Indian Farming 17(5):46-47

Aug 1967 22 IN283

Chemical control (plant diseases), Crop varieties, Fungicides, Fungus diseases (plants), Plant disease resistance, Seed treatment, Wheat, Zinc.

Seed treatments with zinc and the planting of more resistant varieties are the most effective means of controlling wheat fungus diseases.

5981-69

A NOTE ON DRECHSLERA ROT OF TOMATO.

I J Kapoor R N Tandon

Cur Sci 38(5):120-121

05 Mar 1969 475 SCI23

Fungus diseases (plants), Helminthosporium, Plant disease transmission, Rot, Tomatoes.

5982-69

THE POWDERY MILDEWS ON THE ORNAMENTAL PLANTS. (ES)

H Karis V Rumberg

*191P MAP REF TALLINN, USSR, EESTI NSV**TEADUSTE AKAD.*

1966 SB733.K3

Crop varieties, Erysiphaceae, Fungus diseases (plants), Ornamental plants, Plant disease resistance, Powdery mildew, Spores. English and Russian summaries.

5983-69

INJURED CELLS REQUIRED FOR THE INITIATION OF PLANT VIRUS INFECTIONS.

W C Kimmins M D Casselman

Can J Bot 47(3):499-500

Mar 1969 470 C16C

Kidney beans, Necrosis, Plant injuries, Plant protection, Plant tissues, Tobacco.

5984-69

STUDIES ON THE VARIETAL CHARACTERS OF ITALIAN RYEGRASS. III. VARIETAL DIFFERENCE IN DEGREE OF INFECTION BY CROWN RUST. (JA)

T Kinoshita T Nakashima Y Yokohata

Jap Soc Grassland Sci J 14(4):271-274

Dec 1968 60.9 J27

Crop varieties, Crown rust, Fungus diseases (plants), Lolium multiflorum, Plant disease resistance, Puccinia coronata.

5985-69

AUXIN DESTRUCTION BY MARASMIUS PERNICIOSUS.

V Krupasagar L Secucira

Amer J Bot 56(4):390-397 REF

Apr 1969 450 AM36

Cacao, Fungus diseases (plants), Marasmius pernicius, Plant biochemistry, Plant hormones, Plant regulators.

5986-69

FIELD EVALUATION OF A DERIVATIVE OF 1,4-OXATHIIN FOR CONTROL OF CEREAL SMUTS.

J Kuiper

Australian J Exp Agr Anim Husband 8(35):756-761

Dec 1968 23 AU792

Chemical control (plant diseases), Fungicides, Fungus diseases (plants), Grain, Loose smut, Oxathiins, 1,4-, Ustilago nuda, Ustilago tritici.

5987-69

EXPERIMENTS ON THE CONTROL OF CEREAL SMUTS WITH A DERIVATIVE OF 1,4-OXATHIIN.

J Kuiper

Australian J Exp Agr Anim Husband 8(31):232-237

REF

Apr 1968 23 AU792

Barley, Chemical control (plant diseases), Covered smut, Flag smut, Fungicides, Fungus diseases (plants), Loose smut, Oats, Oxathiin, 1,4-, Smuts, Soil fumigation, Stinking smut, Ustilaginales, Wheat.

5988-69

CROWN GALL: EFFECT OF TEMPERATURE ON TUMORIGENESIS IN PEA SEEDLINGS.

A Kurrdjian P Manigault R Beardsley

Can J Bot 47(5):803-808 REF

May 1969 470 C16C

Crown galls, Inhibitors, Peas, Seedlings, Temperature.

5989-69

A NEW LEAF SPOT DISEASE OF MUSSAENDA FRONDOSA LINN.

B Lal R N Tandon

Cur Sci 36(1):23

05 Jan 1967 475 SCI23

Fungus diseases (plants), Glomerella cingulata, Leaf spot, Rubiaceae.

5990-69

VARIETAL RESISTANCE TO HOJA BLANCA.

H A Lamcy

Baltimore, John Hopkins Press. 293-311 REF

1969 NB633.C2

Greenhouse culture, Hoja blanca, Plant disease resistance, Plant disease transmission, Rice, Sitophilus oryzae, Virus diseases (plants).

5991-69

PRELIMINARY STUDIES ON MYCORRHIZA IN ADONIS VERNALIS. (POL)

J Lanowska

*Inst Uprawy Nawożenia Gleboznawstwa Pam**Pulawski* 24:325-334

1967 64.9 IN7

Adonis vernalis, Fungus diseases (plants), Mycorrhiza, Roots, Symbiosis. English and Russian summaries.

5992-69

RICE STRIPE DISEASE IN KOREA.

S C Lee

Baltimore, John Hopkins Press. 67-73 REF

1969 NB633.C2

Laodelphax striatellus, Plant disease transmission, Rice, Stripe, Virus diseases (plants).

5993-69

STUDY OF THE SYNTHESIS OF LYSOPINE BY TISSUE EXTRACTS OF CROWN-GALL IN VITRO. (FR)

B Lejeune

Acad Sci Compt Rend Ser D Sci Nat 265(22, 2ND SEMESTER):1753-1755

27 Nov 1967 505 P21

Biosynthesis, Crown galls, Histopathology, Lysine, Tissue extracts.

5994-69

A STUDY OF THE SYNTHESIS OF LYSOPINE FROM LYSINE BY CROWN-GALL TISSUES. (FR)

B Lejeune M F Jubier

Acad Sci Compt Rend Ser D Sci Nat 266(11, 1ST SEMESTER):1189-1191

- 11 Mar 1968 505 P21
Crown gall tumors, Lysine, Plant biochemistry, Radioactive tracers, Synthesis, Tobacco, Vitacea.
- 5995-69**
NOTES ON THE APPEARANCE IN FRANCE OF OPHIOBOLUS GRAMINIS, AVENAE VARIETY. (FR)
J M Lemaire
Paris Acad Agr France Compt Rend Hebd Seances 53(6):480-484
1967 14 P215BC
Fungus diseases (plants), Ophiobolus graminis, Take-all, Wheat.
- 5996-69**
CHEMICAL CONTROL OF HARMFUL INSECTS. (FR)
J L Hoste
Paris Acad Agr France Compt Rend Hebd Seances 53(7):514-515
1967 14 P215BC
Chemical control (insects), Insect pests, Insecticides, Plant pest control.
- 5997-69**
TESTING RICE VARIETIES FOR RESISTANCE TO TUNGRO DISEASE.
K C Ling
Baltimore, John Hopkins Press. 277-291 REF
1969 NB633.C2
Nephotettix impicticeps, Plant disease resistance, Rice, Tungro, Virus diseases (plants).
- 5998-69**
TRANSMISSION OF RICE VIRUSES IN SOUTHEAST ASIA.
K C Ling
Baltimore, John Hopkins Press. 139-153 REF
1969 NB633.C2
Cicadellidae, Mosaic, Plant disease transmission, Rice, Stunt, Virus diseases (plants).
- 5999-69**
A NEW DISEASE OF BANANAS IN THE CAUCA VALLEY: A BACTERIOSIS. (SP)
C Llanos M
Agr Trop 23(12):806-812
Dec 1967 26 AG8
Aldrin, Bacterial diseases (plants), Bananas, Chemical control (pests), DDT, Formaldehyde, Insect vectors.
- 6000-69**
TRENDS IN DISEASE.
R C F Macer
Agr Merchant 49(1):57,62-64
Jan 1969 10 AG89
Chemical control (plant diseases), Fungicides, Fungus diseases (plants), Grain, Plant diseases, Rainfall, Weather.
- 6001-69**
THE INDUCTION OF DODINE TOLERANCE IN FUSARIUM OXYSPORUM F. MELONIS: A TECHNIQUE APPLICABLE TO THE STUDY OF THE BIONOMICS OF SOIL-BORNE FUNGAL PATHOGENS.
B H MacNeill J V Sabanayagam
Can J Microbiol 14(11):1262-1263
Nov 1968 448.8 C162
Dodine, Fusarium oxysporum, Mutation, Soil fungi, Ultraviolet rays.
- 6002-69**
FUNGICIDES FOR GLADIOLUS CORMS.
R O Magic
Florist Rev 143(3718):24,46-48
27 Feb 1969 80 W41
Botrytis gladiolorum, Chemical control (plant diseases), Fungicides, Fungus diseases (plants), Fusarium, Fusarium oxysporum, Gladiolus, Methodology, Pesticide application, Plant diseases.
- 6003-69**
STUDIES ON AN ITALIAN ISOLATE OF THE TOBACCO NECROSIS VIRUS. (IT)
G Majorana H L Paul
Bari Univ Fac Agr Ann 21(PT 2):455-477 REF
- 1967 105.4 B232
Chenopodium, Electron microscopy, Necrosis, Tobacco, Virology, Virus diseases (plants). English summary.
- 6004-69**
CROSS INTERACTION BETWEEN DIFFERENT COMPONENTS OF TWO STRAINS OF ALFALFA MOSAIC VIRUS. (IT)
G Majorana
Bari Univ Fac Agr Ann 21(PT 2):439-444 REF
1967 105.4 B232
Alfalfa, Fractionation, Magnesium chloride, Mosaic, Symptomatology, Virology, Virus diseases (plants). English summary.
- 6005-69**
THE CRINKLY MOSAIC OF SWEETVETCH (HEDYSARUM CORONARIUM L.). (IT)
G Majorana
Bari Univ Fac Agr Ann 21(PT 2):433-437
1967 105.4 B232
Mosaic, Plant disease transmission, Sulla sweetvetch, Virology, Virus diseases (plants). English summary.
- 6006-69**
PEACH LEAF CURL.
O C Maloy
Wash State Univ Ext E M (3042):2P
Oct 1968 275.29 W27MI
Chemical control (plant diseases), Dodine, Fungicides, Fungus diseases (plants), Leaf curl, Peaches, Pesticide application, Spraying, Symptomatology, Taphrina deformans.
- 6007-69**
PERENNIAL CANKER AND BULL'S EYE ROT OF APPLES.
O C Maloy R P Covey
Wash State Univ Ext E M (3045):2P
Nov 1968 275.29 W27MI
Apples, Canker, Crop losses, Crop varieties, Fungus diseases (plants), Plant disease resistance, Rot, Spraying, Symptomatology.
- 6008-69**
FIELD AND GREENHOUSE STUDIES ON THE EFFECTS OF PLANT AMENDMENTS ON RHIZOCTONIA HYPOCOTYL ROT OF SNAP-Bean.
W J Manning D F Crossan
Plant Dis Rep 53(3):227-231 REF
Mar 1969 1.9 P69P
Beans, Corn, Fungus diseases (plants), Greenhouse culture, Rhizoctonia, Rot.
- 6009-69**
DETERMINATION OF NUCLEOPOLYHEDRON COUNTS AND SIZE FREQUENCY DISTRIBUTIONS BY MEANS OF A COULTER TRANSDUCER.
M E Martignoni P J Iwai
Northwest Pacific Forest Range Exp Sta Us Forest Serv Res No (85):14P MAP REF
Aug 1968 A99.9 F7625U
Coulter counter, Dairy equipment, Insect diseases, Polyhedroses, Virus diseases (insects).
- 6010-69**
INVESTIGATION OF MEANS FOR THE CHEMICAL CONTROL OF BASAL ROT (PHYTOPHTHORA CAPSICI LEON.) OF PEPPER. (IT)
A Matta
Agr Ital (N s)23(1, JAN-FEB):7-16
1968 16 AG8259
Basal rot, Chemical control (plant diseases), Fungicides, Fungus diseases (plants), Irrigation, Pesticide application, Phytophthora capsici, Redpeppers (vegetable), Spraying. English summary.
The following fungicides were tested: dexton, difolatan, omadine, copper sulphate, potassium permanganate, nabam, and terrazole.
- 6011-69**
A MICROBIOLOGICAL CONTROL OF MELAMPSORA MEDUSAE.
R P McBride
Can J Bot 47(5):711-715 REF
May 1969 470 C16C
Bacteria, Culture media, Fungus diseases (plants), Melampsora medusae, Microbiology, Micronutrients, Pseudotsuga menziesii, Seedlings.
- 6012-69**
SUITABILITY OF SEVERAL FUNGICIDES FOR TREATING SOIL INFESTED WITH PHYTOPHTHORA CACTORUM TO PREVENT CROWN ROT DISEASE OF APPLE TREES.
D L McIntosh
Plant Dis Rep 53(3):182-185
Mar 1969 1.9 P69P
Apples, Chemical control (plant diseases), Crown rot, Fungicides, Fungus diseases (plants), Phytophthora caetorum, Soils.
- 6013-69**
CHROMOSOME LOCATION AND LINKAGE STUDIES INVOLVING THE PM3 LOCUS FOR POWDERY MILDEW RESISTANCE IN WHEAT.
R A McIntosh E P Baker
Linnean Soc New South Wales Proc 93(2, NO 417):232-238 REF
10 Mar 1969 514 SY2
Chromosomes, Fungus diseases (plants), Plant disease resistance, Plant genetics, Powdery mildew, Wheat.
- 6014-69**
WATCH FOR SILVER LEAF.
J McPhail
Victorian Hort Dig 13(1, FEB/APR):13
1969 80 V662
Citrus, Disease transmission, Fungus diseases (plants), Silver leaf, Stereum purpureum.
- 6015-69**
METHODS FOR PROTECTING MELONS FROM CUCUMBER MOSAIC VIRUS. THE BENEFIT OF COVERING THE SOIL WITH PLASTIC REFLECTING FILMS. (FR)
C M Messiaen J Marrou P Maison M Duteil
Paris Acad Agr France Compt Rend Hebd Seances 53(1):103-108
1967 14 P215BC
Cultural control (plant diseases), Melons, Mosaic, Plastics.
- 6016-69**
CHANGES OF PLASTIDS WHICH ARISE UNDER THE INFLUENCE OF TURNIP YELLOW MOSAIC VIRUS. (GE)
D Milicic Z Stefanac
Phytopathol Z 59(3):285-296 REF
Jul 1967 464.8 P562
Plastids, Turnips, Virus diseases (plants), Yellow mosaic virus. English summary
- 6017-69**
CONTROL OF VEGETABLE INSECTS AND DISEASES.
R L Miller R E Partyka J P Slesman
Ohio State Univ Ext Bull 459:12P
Jan 1969 275.29 OH32
Aerial spraying, Chemical control (insects), Chemical control (plant diseases), Dairy equipment, Insect pests, Insecticides, Pesticide application, Plant diseases, Vegetables. Many insecticides were mentioned.
- 6018-69**
CONTROL OF ARMILLARIA MELLEAE WITH SYSTEMIC CHEMICALS.
Miller
Agr Chem 23(12):32-33
Dec 1968 381 AG8
Armillaria melleae, Chemical control (plant diseases), Culture media, Dollar spot, Fungus diseases (plants), Onions, Sclerotium cepivorum, Systemic fungicides, White rot. Many fungicides are discussed.
- 6019-69**
RESULTS FROM A THREE-YEAR TEST WITH THE ANAEROBIC METHOD IN BARLEY SEED

DISINFECTION FROM USTILAGO NUDA (PERS.) KELL. ET SW. (BU)

N Mitov D Dobrev
Rasteniyeved Nauk 5(3):103-110
1968 64.8 R18

Barley, Fungus diseases (plants), Plant disease control, Seed treatment, Ustilago nuda. English and Russian summaries.

6020-69**STUDIES ON THE NATURAL ACCUMULATION OF LOOSE SMUT INFECTION ON WHEAT - USTILAGO TRITICI (PERS.) JENSEN. (BU)**

N Mitov N Donchev M Markov L Yotov
Rasteniyeved Nauk 5(2):111-124 REF
1968 64.8 R18

Crop varieties, Fungus diseases (plants), Loose smut, Plant disease resistance, Plant ecology, Plant genetics, Temperature, Ustilago tritici, Wheat. English and Russian summaries.

6021-69**SEROLOGICAL DIFFERENTIATION OF PYTHIUM APHANIDERMATUM FROM PHYTOPHTHORA PARASITICA VAR. NICOTIANAE AND PH. PARASITICA.**

D J Morton P D Dukas
Nature 213(5079):923 REF
04 Mar 1967 472 N21

Fungus diseases (plants), Immunochemistry, Phytophthora parasitica, Pythium aphanidermatum, Serological tests, Soil-borne plant diseases, Tobacco, Tomatoes.

6022-69**EFFECTS OF KINETIN AND ACTINOMYCIN D ON THE SUSCEPTIBILITY OF NICOTIANA GLUTINOSA L. TO INFECTION BY TOBACCO MOSAIC VIRUS.**

A K Mukherjee L C Soans M Chessin
Nature 216(5122):1344-1345 REF
30 Dec 1967 472 N21

Actinomycin d, Kinetin, Mosaic, Nicotiana glutinosa, Plant physiology, Plant regulators, Tobacco, Virus diseases (plants).

6023-69**BIOLOGY OF ASCOCHYTA SPECIES PARASITIC ON PEA PLANTS. (RUS)**

T Musaev
Uz Biol Zhur 11(3):14-16
1967 442.8 UZ1

Ascochyta, Ascochyta pinodes, Ascochyta pisi, Biology, Fungus diseases (plants), Parasitism, Peas, Pycnidia, Spore germination, Spores. English summary

6024-69**NOTE : OOSPORES OF SCLEROSPORA PHILIPPINENSIS WESTON FROM CORN LEAF TISSUE.**

G Napi-Accedo O R Exconde
Philippine Agr 51(4):279-282
Sep 1967 25 P542

Corn, Morphology, Spores.

6025-69**BETEL'S WILT DISEASE CAN BE KEPT UNDER CONTROL.**

V Narasimhan M Ramalingam
Indian Farming 17(2):29-30
May 1967 22 IN283

Bordeaux mixture, Chemical control (plant diseases), Fungicides, Fungus diseases (plants), Phytophthora parasitica, Piper betle, Wilt.

Symptoms of wilt disease in Piper betle and recommended measures are given using Bordeaux mixture for control of the causal agent, Phytophthora parasitica.

6026-69**STEM ROT OF OIL PALMS IN THE FEDERAL EXPERIMENT STATION, SERDANG.**

S J Navaratnam C K Leong
Malaysian Agr J 45(2):175-181
Jul 1965 22.5 F312

African oilpalm, Cultural control (plant diseases), Fertilizers, Fomes, Fungus diseases (plants), Stem rot.

6027-69**A SYMPTOMLESS CARRIER OF SANDAL SPIKE DISEASE.**

R Nayar R A Srimathi
Cur Sci 37(19):567-568
05 Oct 1968 475 SC123

Lantana camara, Plant disease transmission, Santalum, Spike disease, Virus diseases (plants).

6028-69**KHAIRA DISEASE OF RICE AND ITS CONTROL.**

Y L Nene
Int Rice Comm News Lett 17(1):1-7
Mar 1968 59.9 IN83N

Chemical control (plant diseases), Plant diseases, Plant nutritional deficiencies, Plant physiology, Rice, Soil analysis, Spraying, Symptomatology, Tables (data), Zinc sulphate. Abstracted in Rice J 71(13):22-23 Dec 1968.8.

6029-69**LEMON SCAB (SPHACELOMA FAWCETTII SCABIOSA).**

Agr Gaz New S Wales 80(PT 1):65-66
Jan 1969 23 N472

Bordeaux mixture, Chemical control (plant diseases), Fungus diseases (plants), Lemons, Nurseries, Scab, Spraying, Thiocarbamates, Zinc.

6030-69**SORBIC ACID AS AN INHIBITOR OF THE FUSARIUM VASINFECTION FUNGUS, WHICH INDUCES WILT IN THE COTTON PLANT.**

N P Oshanina K E Ovcharov
Fiziol Rast 14(2, MAR-APR):234-238
Apr 1967 450 F58

Chemical control (plant diseases), Cotton, Fungus diseases (plants), Fusarium, Plant growth inhibitors, Sorbic acid, Wilt. Russian journal- vol. 14(2):276-281, Mar.-Apr. 1967

6031-69**REPORT OF THE COMMITTEE ON NOMENCLATURE OF RICE VIRUS DISEASES.**

S H Ou T T Iida K Maramorosch S P Raychaudhuri N Suzuki
Baltimore, John Hopkins Press. 339-346
1969 NB633.C2

Nomenclature, Reports, Rice, Virus diseases (plants).

6032-69**VIRUS DISEASES OF RICE IN SOUTHEAST ASIA.**

S H Ou C T Rivera
Baltimore, John Hopkins Press. 23-34 REF
1969 NB633.C2

Cicadellidae, Insect vectors, Rice, Virus diseases (plants).

6033-69**SOME OBSERVATIONS ON TOBACCO YELLOW DWARF CONTROL.**

R G Paddick F L French
Aust Tob Growers Bull (13):9-10
1968 69.8 AU72

Chemical control (plant diseases), Cicadellidae, Dimethoate, Insect vectors, Methyl N-((methylcarbamoyl)oxy)thioacetimidate, S-, Methyl-2-(methylthio)propionaldehyde O-(methylcarbamoyl)oxi n, Organic compounds, Orosius argentatus, Phosphates, Plant disease control, Plant disease transmission, Tobacco, Transplanting, Virus diseases (plants), Yellow dwarf.

6034-69**THE PROBLEMS OF PLANT DISEASE CONTROL.**

B P Pal
Indian Farming 18(5):4-5
Aug 1968 22 IN283

Alternaria, Crop rotation, Fungus diseases (plants), Helminthosporium oryzae, Hel-

minthosporium spiciferum, Mosaic, Piricularia, Plant breeding, Plant disease control, Plant protection, Virus diseases (plants), Wheat.

6035-69**CONTROLLING STEM-END ROT OF RIPE MANGO.**

V N Pathak D N Srivastava
Indian Farming 18(5):43,45
Aug 1968 22 IN283

Carbonates, Cellophane, Citrus, Copper, Diplodia natalensis, Fungus diseases (plants), Linseed oil, Mangoes, Oxides, Packing materials, Red lead, Stem end rot.

6036-69**INVESTIGATIONS ON CHEMICAL CONTROL OF ZEBRA DISEASE IN AGAVE HYBRID NO. 11648.**

W T H Peregrine
Ann Appl Biol 63(1):45-51
Feb 1969 442.8 AN72

Agave, Chemical control (plant diseases), Copper compounds, Fungus diseases (plants), Maneb (zinc ion), Phytophthora, Thiocarbamates, Zebra disease.

6037-69**BOTRYTIS FLOWER SPOT CONTROL IN ORCHIDS.**

J L Peterson S H Davis O W Davidson
Amer Orchid Soc Bull 37(3):227-230
Mar 1968 80 AM329

Aminobutane, 2-, Botrytis cinerea, Cattleya, Chemical control (plant diseases), Cymbidium, Fungicides, Fungus diseases (plants), Orchidaceae, Petal blight, Phalaenopsis, Plant diseases, Plant protection, Tetrachloroisophthalonitrile.

6038-69**SELECTION OF PARENTS AND CROSSES SUITABLE FOR USE IN BREEDING FOR RESISTANCE TO SCAB. (GE)**

C Pfeffer M Effmert
Europe Potato J 10(4):286-295 REF
Dec 1967 75.8 EU7

Bacterial diseases (plants), Plant breeding, Plant disease resistance, Plant genetics, Potatoes, Scab, Streptomyces scabiei. English and French summaries.

6039-69**RELATIONSHIP OF IRON, MANGANESE, AND BICARBONATE TO CHLOROSIS OF RICE GROWN IN CALCAREOUS SOIL.**

G A Place
Ark Agr Exp Sta Rep Ser (175 SER):21P REF
Feb 1969 100 AR42R

Carbonates, Chlorosis, Iron, Manganese, Plant disease control, Plant nutritional deficiencies, Rice, Soil properties.

6040-69**THE MOSAIC DISEASE OF MULLEIN, VERBASCUM THAPSIFORME SCHRADER, OCCURRING IN CZECHOSLOVAKIA.**

Z Polak S Neubauer
Biol Plant 9(5):360-367 REF
Oct 1967 450 B52

Verbascum thapsiforme.

6041-69**PHYSIOLOGICAL CHANGES IN SUNFLOWERS INFECTED BY STORAGE ROT.**

P V Polyakov
Soviet Plant Physiol 15(4,JUL/AUG):597-598
1968 450 F58AE

Fungus diseases (plants), Photosynthesis, Plant physiology, Plant respiration, Sclerotinia, Sunflowers. Translated from Fiziologiya Rastanii, 15(4,Jul/Aug): 716-717, 1968. translated from the Russian.

6042-69**CERCOSPORIDIUM HELLERI ON SPHENOCLEA ZEYLANICA--A NEW RECORD FOR INDIA.**

K M Ponnappa

- Cur Sci* 36(10):273
20 May 1967 475 SCI23
Dematiaceae, Fungus diseases (plants), Host records, Plant diseases.
- 6043-69**
ON THE ELM-TREE DIEBACK. (RUM)
N Popescu
Rev Padurilor 83(7):354-356
Jul 1968 99.8 R327
Ceratomyces ulmi, Dieback, Fungus diseases (plants), Plant protection, Ulmus.
- 6044-69**
MYCOLOGICAL TECHNIQUES IN PLANT PATHOLOGY. (FR)
F Rapilly
Ann Epiphyt 19:102P REF
1968 464.9 F84AN
Chemical control (plant diseases), Culture media, Fungicides, Fungus diseases (plants), Methodology, Microorganisms, Mycology, Plant diseases, Plant physiology, Soil fungi.
- 6045-69**
EVIDENCE FOR THE PRESENCE OF THE OHIO STRAIN III OF TOBACCO MOSAIC VIRUS IN TOMATO IN THE NETHERLANDS.
A T B Rast
Neth J Plant Pathol 74(6):234-236
1968 464.8 T44
Mosaic, Plant breeding, Plant disease resistance, Tobacco, Tomatoes, Virology, Virus diseases (plants). Dutch summary.
- 6046-69**
CONTROLLING DISEASES OF OILSEED CROPS.
S P Raychaudhuri
Indian Farming 17(9):29,31-33
Dec 1967 22 IN283
Bacterial diseases (plants), Chemical control (plant diseases), Cultural control (plant diseases), Fungus diseases (plants), Oilseeds, Virus diseases (plants).
The viral, bacterial, and fungal diseases that attack peanuts, castor, sesame, mustard, and linseed are discussed and chemical and cultural control measures are recommended.
- 6047-69**
DISEASES OF PULSES POSE A CHALLENGE TO PLANT PATHOLOGISTS, BREEDERS.
S P Raychaudhuri
Indian Farming 17(11):39,41,43
Feb 1968 22 IN283
Anthracnose, Blight, Fungus diseases (plants), Legumes, Mosaic, Powdery mildew, Rust, Virus diseases (plants), Wilt.
The etiology and pathology of many fungus diseases and several viral diseases of legumes in India are described. Included are wilt, blight, rust, powdery mildew, many mosaics, and anthracnose.
- 6048-69**
VIRUS DISEASE THAT RESEMBLES TUNGRO
S P Raychaudhuri M D Mishra A Ghosh
Indian Farming 17(3):29,33
Jun 1967 22 IN283
Insect vectors, Nephrotettix bipunctatus, Plant disease transmission, Rice, Virus diseases (plants).
- 6049-69**
RESEARCH ON THE ASSOCIATED CULTURE OF VIRUSES AND VEGETABLE TISSUES. (FR)
S P Raychaudhuri M D Mishra H C Phatak J Chandra
Acad Sci Compt Rend Ser D Sci Nat 266(8, 1ST SEMESTER):776-777
19 Feb 1968 505 P21
Broadbeans, Cowpeas, Culture media, Plant extracts, Sunflowers, Tissue culture, Virus diseases (plants).
- 6050-69**
DISEASES OF FRUITS AND VEGETABLES.
S P Raychaudhuri D S Bhandar
Indian Hort 12(4 JUL-SEP):19-23,34
1968 80 IN23
Air-borne plant diseases, Bacterial diseases (plants), Chemical control (plant diseases), Fruit, Fungicides, Fungus diseases (plants), Plant disease control, Plant nematodes, Plant physiological diseases, Virus diseases (plants).
- 6051-69**
POTATO SPINDLE TUBER VIRUS: A PLANT VIRUS WITH PROPERTIES OF A FREE NUCLEIC ACID. I. ASSAY, EXTRACTION, AND CONCENTRATION. II. CHARACTERIZATION AND PARTIAL PURIFICATION.
W B Raymer T O Diener
Virology 37(3):343-366 REF
Mar 1969 448.8 V81
Assay, Nucleic acids, Plant extracts, Potatoes, Purification, Spindle tuber, Tissue culture, Tomatoes, Virology, Virus diseases (plants).
- 6052-69**
PHOSPHATE DISTRIBUTION IN HEALTHY AND TMV INFECTED TOMATO PLANTS. (POL)
Z Rebowska S Lyszcz
Inst Uprawy Nawozenia Gleboznawstwa Pam Pulawski 33:143-147 REF
1968 64.9 IN7
Phosphates, Plant biochemistry, Plant metabolism, Tobacco mosaic virus, Tomatoes, Virus diseases (plants). English and Russian summaries.
- 6053-69**
SPRAYING TRIALS AGAINST SCLEROTINIA DISEASES OF PLUMS ON FLOWERS AND FRUITS. (FR)
R Renaud
Rev Zool Agr Appl 67(7-9, 3RD TRIMESTER):82-86
1968 410.9 SO12
Blossom blight, Chemical control (plant diseases), Fungicides, Fungus diseases (plants), Plums, Sclerotinia laxa, Tetrachloroisophthalonitrile, Thiazolyl-benzimidazolc, 2-(4-. English abstract.
- 6054-69**
MONILIASIS OF PLUM-TREES. BIOLOGY AND METHODS OF CONTROL. (FR)
R Renaud
Rev Zool Agr Appl 66(4-6, 2ND TRIMESTER):58-64
1967 410.9 SO12
Chemical control (plant diseases), Cultural control (plant diseases), Fungus diseases (plants), Life cycle, Moniliasis.
- 6055-69**
TREE-WOUNDING INSECTS AS VECTORS OF THE OAK WILT FUNGUS.
C O Rexrode
Forest Sci 14(2):181-189 MAP REF
Jun 1968 99.8 F7632
Fungus diseases (plants), Insect vectors, Plant disease transmission, Quercus.
- 6056-69**
DETECTION OF PLASMIDIOPHORA BRASSICAE RACES 2 AND 6 IN ONTARIO.
A A Reyes
Plant Dis Rep 53(3):223-225
Mar 1969 1.9 P69P
Cabbage, Cauliflower, Clubroot, Fungus diseases (plants), Plasmidiophora brassicac, Turnips.
- 6057-69**
THE NEMATODE OF STEMS AND TUBERCLES (DITYLENCHUS DESTRUCTOR THORNE) AS A DANGEROUS POTATO PEST. (RUM)
E Romascu A Macedon A Dhelcuanu
Probl Agr 20(11):79-84
1968 21 R862
Chemical control (nematodes), Ditylenchus destructor, Nematocides, Potatoes.
The following nematocides are discussed: Karbation, D.D., vapam, dibromctan, basamid, trapcx and ncmagon.
- 6058-69**
THE RESPONSE TO PHOSPHORUS OF SOME ECOLOGICALLY DISTINCT PLANT SPECIES. I. GROWTH RATES AND PHOSPHORUS ABSORPTION.
I H Rorison
New Phyto Logist 67(4):913-923 REF
Oct 1968 450 N42
Absorption, Culture media, Phosphorus, Plant ecology, Plant nutrition, Plant physiology, Plant regulators.
- 6059-69**
DECLINE OF CITRUS TREES IN THE REGIONS OF ARARAQUARA AND BEBEDOURO. (POR)
V Rossetti T Namckata
Biologico 33(12):295-300
Dec 1967 442.8 B529
Citrus, Decline, Oranges, Virus diseases (plants). English abstract.
- 6060-69**
THE EFFECT OF TMV ON THE HILL REACTION IN CHLOROPLASTS FROM VARIOUS TOBACCO SPECIES WITH DIFFERENT RESISTANCE. (RU)
B A Rubin T E Krendelcva E E Bystrykh
Biokhimiya 34(2):345-351 REF
1969 385 B523
Chloroplasts, Hill reaction, Mosaic, Plant biochemistry, Plant disease resistance, Tobacco, Virus diseases (plants). English abstract.
- 6061-69**
PLANT INSECT AND DISEASE CONTROL IN PERU.
R Russell
Institute Of Inter-American Affairs 12P
Nov 1952 SB951.R88
Chemical control (plant diseases), Fungicides, Fungus diseases (plants), Insect pests, Insecticides, Rats, Rodenticides.
- 6062-69**
COMPETITIVE SA PROPHYTIC ABILITY AND INOCULUM POTENTIAL OF COTTON ROOT-INFECTING FUNGI IN FIVE SOILS.
K A Sabct I D Khan
Empire Cotton Growing Rev 46(2):119-133 REF
Apr 1969 72.8 EM7
Cotton, Fungus diseases (plants), Physiology, Rhizosphere, Soil scrics, Tissue culture.
- 6063-69**
EFFECT AND COMPATIBILITY OF NUTRIENT SPRAYS WITH INSECTICIDES AND FUNGICIDES FOR GROUNDNUT (A. HYPOGEA).
M N Sadaphal V Ravindranath V V Thobbi
Indian J Agron 13(3):170-176
Sep 1968 22 IN235
Chemical control (pests), Chlorinated hydrocarbons, Endrin, Fungicides, Fungus diseases (plants), Insect pests, Insecticides, Methyl demcton, Nutrient solutions (plants), Peanuts, Spraying.
- 6064-69**
VARIETAL RESISTANCE TO STRIPE, DWARF, YELLOW DWARF, AND BLACK-STREAKED DWARF.
Y Sakurai
Baltimore, John Hopkins Press. 257-275 REF
1969 NB633.C2
Black-streaked dwarf, Cicadellidac, Plant disease resistance, Rice, Stripe, Virus diseases (plants), Yellow dwarf.
- 6065-69**
FUSARIOSIS OF THE LEGUME CROPS IN LITHUANIA. 3. MAIN FORMS OF LUPINE FUSARIOSIS AND ITS DISTRIBUTION. (RUS)
B Saltcnis
Lietwvas Tsr Mokslu Akad Darbai Ser C 3(44):25-37 REF
1967 511 AK192D
Foot rot, Legumes, Lupinc, Plant geography, Root rot, Wilt. English and Lithuanian summaries.

6066-69

The fungus disease was caused by the following fungus: *Fusarium avenaceum*, *F. avenaceum* var. *herbarum*, *F. oxysporum*, *F. gibbosum*, *F. solani*, var. *cocculum*, *F. javanicum*, and *F. sambucinum*.

6066-69

CORN LODGING. I. RELATIONS BETWEEN SOLUBLE SOLIDS, INORGANIC PHOSPHATES AND BASAL STALK AND ROOT ROT IN MATURE PLANTS. (SP)

A A Sarasola M A Rocca de Sarasola
Rev Invest Agr Ser 5, Patol Veg 5(8):81-103 REF
1968 464.8 R322

Corn, Fungus diseases (plants), *Fusarium*, Inorganic compounds, Lodging, *Macrophomina phaseoli*, Phosphates, Plant physiology, Root rot, Stalk rot. English abstract.

6067-69

INTERRELATIONSHIPS OF LEDUM SPECIES AND THEIR RUST PARASITES IN WESTERN CANADA AND ALASKA.

D B O Savile
Can J Bot 47(7):1085-1100 REF
Jul 1969 470 C16C

Chromosomes, *Chrysomyxa*, Fungus diseases (plants), Hybrids, *Ledum glandulosum*, *Ledum groenlandicum*, *Ledum palustre decumbens*, Plant genetics, Plant morphology, Uredinales.

6068-69

THE OCCURRENCE OF PHYLLOSTICTA LEAF SPOT OF CORN IN PENNSYLVANIA.

G L Scheifele R R Nelson
Plant Dis Rep 53(3):186-189
Mar 1969 1.9 P69P

Corn, Fungus diseases (plants), Greenhouse culture, Leaf spot, *Phyllosticta zeae*, Plant disease resistance.

6069-69

ETIOLOGY, SYMPTOMATOLOGY AND EPIDEMIOLOGY OF A VIRUS DISEASE OF CULTIVATED MUSHROOMS.

L C Schisler J W Sinden E M Sigel
MGA Bull (215):549-550,553-554,558-559,563-564,569-570,573-574,577
Nov 1967 80 M97

Dieback, Epidemiology, Etiology, Mushrooms, Plant disease transmission, Symptomatology, Virus diseases (plants), Virus X.

6070-69

RESEARCH ON SAP INFECTIONS. (GE)

F Schonbeck
Phytopathol Z 59(3):205-224 REF
Jul 1967 464.8 P562

Botrytis, Chromatography, Fungicides, Fungus diseases (plants), Plant disease resistance, Research, Sap. English summary

6071-69

A CHEMOTHERAPEUTIC TREATMENT FOR SELECTIVELY ERADICATING CROWN GALL AND OLIVE KNOT NEOPLASMS.

M N Schroth D C Hildebrand
Phytopathology 58(6):848-854 REF
Jun 1968 464.8 P56

Agrobacterium tumefaciens, Biochemistry, Biological assay, Crown galls, Drug therapy, Fruit, Hydrocarbons, Plant galls, *Pseudomonas savastanoi*, Tomatoes.

6072-69

CONTROL OF SURVIVAL OF OPHIOBOLUS GRAMINIS BETWEEN CONSECUTIVE CROPS OF WINTER WHEAT.

P R Scott
Ann Appl Biol 63(1):37-43
Feb 1969 442.8 AN72

Crop rotation, Fungus diseases (plants), *Ophiobolus graminis*, Plant disease control, Red clover, Seed-borne plant diseases, Wheat.

6073-69

CELL-FREE SYNTHESIS OF TOBACCO MOSAIC VIRUS COAT PROTEIN AND ITS COMBINATION WITH RIBONUCLEIC ACID TO YIELD TOBACCO MOSAIC VIRUS.

I Sela P Kaesberg
J Virology 3(1):89-91
Jan 1969 QR360.J6

Extracellular substances, Mosaic, Protein synthesis, Ribonucleic acid, Tobacco mosaic virus, Virology, Virus diseases (plants).

6074-69

ASSEMBLY OF PROTEIN AND NUCLEOPROTEIN PARTICLES FROM EXTRACTED TOBACCO RATTLE VIRUS PROTEIN AND RNA.

J S Semancik D A Reynolds
Science 164(3879):559-560
02 May 1969 470 SC12

Extracts, Nucleoproteins, Proteins, Rattle disease, Ribonucleic acid, Tobacco, Virology, Virus diseases (plants).

6075-69

ZINC DEFICIENCY MAY LIMIT MAIZE YIELDS.

D Sharma K S Sandhu O P. Singh
Com Hort Floristry 5(3):10-11
Jan 1969 S19.P7

Chemical control (plant diseases), Corn, Crop yields, Deficiency diseases, Fertilizers, Micronutrients, Plant nutrition, Zinc, Zinc sulphate.

6076-69

A NOTE ON THE NON-TRANSMISSION OF CENTROSEMA MOSAIC VIRUS THROUGH SEED.

D E Shaw
Papua New Guinea Agr J 19(4):151
Mar 1968 23 N453

Legumes, Mosaic, Plant disease transmission, Seeds, Virus diseases (plants).

No symptoms of centrosema mosaic virus disease were recorded on 1,252 plants of *Centrosema pubescens* raised from seed derived from infected plants in three tests carried out in Papua.

6077-69

ELECTRON MICROSCOPIC STUDIES OF RICE VIRUSES.

E Shikata
Baltimore, John Hopkins Press. 223-240 REF
1969 NB633.C2

Black-streaked dwarf, Electron microscopy, Insect vectors, *Laodelphax striatellus*, *Nephotettix cincticeps*, Rice, Virus diseases (plants).

6078-69

BARLEY DISEASES IN WESTERN AUSTRALIA.

W A Shipton W R Tweedie
West Aust J Agr 9(12):573-577
Dec 1968 23 W52J

Barley, Chemical control (plant diseases), Crop losses, Crop rotation, Cultural control (plant diseases), Fungus diseases (plants), Mercury compounds, Plant disease resistance, Seed-borne plant diseases, Virus diseases (plants). Eleven diseases of barley and their control measures are described.

6079-69

TESTS ON THE BEHAVIOR OF X AND Y VIRUSES OF SOME RIETIES OF POTATOES, IMPORTANT IN BRAZIL. (POR)

K Silberschmidt P Mallozzi
Biologico 33(7):144-150
Jul 1967 442.8 B529

Crop varieties, Potatoes, Virus diseases (plants), Virus X, Virus Y.

6080-69

CONSIDERATIONS ON THE RESISTANCE OF VARIETIES OF TOMATOES TO FUSARIUM WILT. (POR)

A P da Silveira N T de Mendonca B P B Cruz
Biologico 33(2):35-37
Feb 1967 442.8 B529

Crop varieties, Fungus diseases (plants), *Fusarium*, Plant breeding, Plant disease resistance, Tomatoes, Wilt.

6081-69

REACTION OF NITROSOGUANIDINE (N-METHYL-N'-NITRO-N-NITROSOGUANIDINE) WITH TOBACCO MOSAIC VIRUS AND ITS RNA.

B Singer H Fraenkel-Conrat J Greenberg A M Michelson
Science 160(3833):1235-1237
14 Jun 1968 470 SC12

Chemical control (plant diseases), Drug therapy, Mosaic, Nitrosoguanidine, Plant biochemistry, Plant genetics, RNA viruses, Tobacco mosaic virus, Virus diseases (plants).

6082-69

STUDIES ON AECIAL DEVELOPMENT IN RUST FUNGI: PUCCINIA POLLINIAE.

B V Singh
Can J Bot 47(5):741-744
May 1969 470 C16C

Fungus cultures, Fungus diseases (plants), *Goldfussia dalhousiana*, *Puccinia polliniae*.

6083-69

NITROGENOUS COMPOUNDS IN THE XYLEM SAP OF AMERICAN ELMS WITH DUTCH ELM DISEASE.

D Singh E B Smalley
Can J Bot 47(7):1061-1065
Jul 1969 470 C16C

Amino acids, *Ceratocystis ulmi*, Dieback (ulmus), Fungus diseases (plants), Immunization, Ninhydrin reaction, Nitrogen compounds, Plant disease resistance, Plant diseases, Sap, *Ulmus americana*, Xylem.

6084-69

INHERITANCE OF MOSAIC RESISTANCE IN SUGARCANE.

G R Singh
Cur Sci 36(4):107
20 Feb 1967 475 SC123

Inheritance, Mosaic, Plant disease resistance, Plant genetics, Sugarcane, Virus diseases (plants).

6085-69

PENYAKIT MERAH DISEASE, A VIRUS INFECTION OF RICE IN MALAYSIA.

K G Singh
Baltimore, John Hopkins Press. 75-78
1969 NB633.C2

Chemical control (insects), Chlorinated hydrocarbons, *Nephotettix impicticeps*, Penyakit merah, Plant disease transmission, Rice, Virus diseases (plants).

6086-69

NATURAL INFECTION OF FENUGREEK BY TWO LEGUME VIRUSES.

R P Singh
Plant Dis Rep 53(3):194-198 REF
Mar 1969 1.9 P69P

Legumes, *Trigonella foenum-graecum*, Vegetables, Virus diseases (plants).

6087-69

PROTECTION OF VINEYARDS FROM PLANT DISEASES. (IT)

G Sitta
Agr Ferrarese 71(2):25-30
28 Feb 1967 16 AG87

Acaricides, Crop varieties, Fungicides, Fungus diseases (plants), Grape vineyards, Insect pests, Insecticides.

A calendar is included recommending the use of various pesticides at various times.

6088-69

RETENTION AND TRANSFORMATION OF ANHYDROUS AMMONIA IN SOIL AND EFFECTS ON FOOT ROT FUSARIA.

R W Smiley R J Cook R I Papendick
Pacific Northwest Fert Conf Proc 19:100-107
16 Jul 1968 57.9 P11

Ammonia, Foot rot, Fungus diseases (plants), *Fusarium roseum*, Nitrites, Root rot, Soil fungi, Soil hydrogen-ion concentration, Wheat.

- 6089-69**
TOMATO LEAF MOULD: ITS ASSESSMENT AND EFFECTS ON YIELD.
 P M Smith F T Last R J Kempton J H Gisborne
Ann Appl Biol 63(1):19-26 REF
 Feb 1969 442.8 AN72
 Captan, Chemical control (plant diseases), Chlorinated hydrocarbons, Cladosporium fulvum, Crop yields, Dichlorofluoromethylthio)-N,N-dimethyl-N'-phenyl- f, Leaf mold disease, Thiocarbamates, Tomatoes, Zinc.
- 6090-69**
HEAT SENSITIZATION FOR CONTROL OF GREY MOLD OF STRAWBERRY FRUITS BY GAMMA IRRADIATION.
 N F Sommer P M Buckley R J Fortlage D A Coon E C Maxie
Radiat Bot 8(6):441-448 REF
 Dec 1968 450 R11
 Botrytis cinerea, Fungus diseases (plants), Gamma rays, Gray mold, Heat treatment, Irradiation, Strawberries. French and German summaries.
- 6091-69**
SUSCEPTIBILITY OF WATERMELON CULTIVARS TO WATERMELON MOSAIC VIRUS-2.
 G Sowell J W Demski
Plant Dis Rep 53(3):208-209
 Mar 1969 1.9 P69P
 Melons, Mosaic, Plant disease resistance, Virus diseases (plants), Watermelons.
- 6092-69**
RELATIONSHIP OF PEA MOSAIC VIRUS WITH ITS VECTOR APHIS CRACCIVORA KOCH..
 T N Sreenivasan T K Nariani
37(6):476-482
 Dec 1967
 Aphis craccivora, Insect vectors, Mosaic, Peas, Plant disease transmission, Virus diseases (plants).
- 6093-69**
SCREENING RICE VARIETIES FOR RESISTANCE TO BACTERIAL BLIGHT.
 D N Srivastava Y P Rao J C Durgapal J K Jindal W Singh
Indian Farming 17(3):25-27-28
 Jun 1967 22 IN283
 Bacterial blight, Bacterial diseases (plants), Crop varieties, Plant disease resistance, Rice, Xanthomonas oryzae.
 One hundred twenty-eight rice varieties were infected with Xanthomonas oryzae, the bacterium causing wilt, and then rated as to their susceptibility on the basis of the condition of the plants after several weeks. twenty-four varieties were found to be resistant or moderately resistant to infection, 75 were highly susceptible, and others were intermediate in response.
- 6094-69**
PLANT PROTECTION. BULLETIN OF THE PLANT PROTECTION STATION OF GENEVA. (FR)
Rev Horticole Suisse 41(5):130-132
 May 1968 80 R3212
 Fruit culture, Fungicides, Horticulture, Insecticides, Ornamental plants, Plant diseases, Plant protection.
- 6095-69**
EFFECTS OF GROWTH REGULATORS ON EAR DENSITY MUTANTS IN BARLEY.
 V Stoy Hagberg
Hereditas 58(3):359-384 REF
 30 Dec 1967 442.8 H42
 Barley, Gibberellic acid, Plant genetics, Plant mutation, Plant physiology, Plant regulators. English abstract
- 6096-69**
INVESTIGATIONS ON YELLOW RUST IN WHEAT AND BARLEY, 1962-1965. (DU)
 R W Stubbs
Stichting Ned Graan-cent Tech Ber 17:69-83
 Dec 1967 59.9 ST52TB
- Barley, Crop varieties, Crop yields, Fungus diseases (plants), Puccinia striiformis, Stripe rust, Tables (data), Testing, Wheat.
- 6097-69**
TRANSITORY YELLOWING OF RICE IN TAIWAN.
 H J Su
Baltimore, John Hopkins Press. 13-21 REF
 1969 NB633.C2
 Carbamates, Carbaryl, Chemical control (insects), Nephrotettix apicalis, Nephrotettix cineticceps, Rice, Soils, Virus diseases (plants), Yellows.
- 6098-69**
PYRICULARIA ORYZAE.
 C V Subramanian
Commonwealth Mycol Inst Cmi Desc Path Fungi Bact 17(161-170):169
 1968 462.7 C73
 Air-borne plant diseases, Chemical control (plant diseases), Fungus diseases (plants), Grasses, Pyricularia oryzae, Plant geography, Rice.
 Description of a fungal pathogen of rice and other Graminae, its geographical distribution and etiology.
- 6099-69**
RECENT TRENDS IN DISEASE CONTROL IN COFFEE.
 S Subramanian
Indian Coffee Monthly Bull 32(12):365-368
 Dec 1968 68.29 IN23M
 Chemical control (plant diseases), Coffee, Foliar application, Immunization, Manganese, Microorganisms, Plant breeding, Plant nutritional deficiencies, Plant protection, Zinc.
- 6100-69**
ERGOT DISEASE OF BAJRA--ITS SYMPTOMS AND CONTROL.
 N V Sundaram
Indian Farming 17(9):56-58
 Dec 1967 22 IN283
 Copper oxychloride, Fungicides, Fungus diseases (plants), Human diseases, Pearlmillet, Poisoning, Toxins, Zinc, Ziram.
 Ergot disease of pearlmillet is discussed and control with Ziram or copper oxychloride and Zinc is suggested. Diagnosis of ergot poisoning is described in man and cattle
- 6101-69**
SEPTORIAL SPOT ON GRAPE FRUIT IN SOUTHERN CALIFORNIA.
Sunkist Pest Contr Circ (373):1
 Dec 1968 423.9 C12E
 Bordeaux mixture, Chemical control (plant diseases), Citrus, Fungicides, Fungus diseases (plants), Grapefruit, Plant injuries, Plant protection, Septoria.
- 6102-69**
PURIFICATION, BIOASSAY, PROPERTIES, AND SEROLOGY OF RICE VIRUSES.
 N Suzuki I Kimura
Baltimore, John Hopkins Press. 207-221 REF
 1969 NB633.C2
 Biological assay, Cicadellidac, Ribonucleic acid, Rice, Serological tests, Virus diseases (plants).
- 6103-69**
STUDIES ON RESISTANCE TO YELLOW MOSAIC IN BARLEY. II. COMPARISON OF VARIETAL REACTIONS TO THE VIRUSES OF DIFFERENT SOURCES AND RELATION BETWEEN DISEASE SYMPTOM AND DAMAGE. (JA)
 R Takahasi T Inouye G Hayasi I Moriya T Hirao K Mitsuata
Nogaku Kenkyu 52(2):65-78
 Jun 1968 22.5 N684
 Barley, Plant disease resistance, Plant injuries, Symptomatology, Virus diseases (plants), Yellow mosaic.
- 6104-69**
INFLUENCE OF PRE- AND POST-HARVEST TREATMENTS ON BITTER PIT OF GRANNY SMITH APPLES IN THE GOULBURN VALLEY.
 B K Taylor B van den Ende
Australian J Exp Agr Anim Husb 8(31):244-251 REF
 Apr 1968 23 AU792
 Apples, Bitter pit, Boron, Calcium, Harvesting, Plant diseases, Spraying.
- 6105-69**
INFECTION, RECOVERY FROM INFECTION AND RESISTANCE OF APRICOT TREES TO VERTICILLIUM ALBO-ATRUM.
 J B Taylor Nt Flentje
New Zeal J Bot 6(4):417-426 REF
 Dec 1968 450 N48
 Apricots, Fungus diseases (plants), Plant disease resistance, Trees, Verticillium albo-atrum.
- 6106-69**
FLUCTUATIONS IN NATURAL SOIL POPULATIONS OF VERTICILLIUM TRICORPUS.
 J B Taylor
Can J Bot 47(5):737-740 REF
 May 1969 470 C16C
 Fungus cultures, Microbiology, Soil fungi, Verticillium tricorpus.
- 6107-69**
SOME ASPECTS OF FUSARIUM INFECTION OF WHEAT SEEDS. (DU)
 J de Tempe I T Limonard
Stichting Ned Graan-cent Tech Ber 17:35-42
 Dec 1967 59.9 ST52TB
 Fungus diseases (plants), Fusarium, Fusarium nivale, Root rot, Seeds, Septoria nodorum, Statistical analysis, Testing, Wheat. English summary.
- 6108-69**
THE RELATIONSHIP OF JOHNSON GRASS AND OTHER PERENNIAL HOSTS OF MAIZE DWARF MOSAIC VIRUS TO DISEASE SPREAD AND CONTROL.
 H H Thornberry
Weed Soc Amer Abstr 1966 MEETING:7
 1966 241 W41
 Aphididac, Chemical control (plant diseases), Dwarf mosaic, Insect vectors, Mosaic, Perennial plants, Sorghum halepense, Tripsicum dactyloides, Virus diseases (plants).
- 6109-69**
ADDITIONAL SOURCES OF RESISTANCE TO BACTERIAL CANKER OF TOMATO (CORYNEBACTERIUM MICHIGANENSE).
 B D Thyrt
Plant Dis Rep 53(3):234-237
 Mar 1969 1.9 P69P
 Bacterial canker, Bacterial diseases (plants), Corynebacterium michiganense, Plant disease resistance, Tomatoes.
- 6110-69**
SOME RICE DISEASES SUSPECTED TO BE OF VIRUS ORIGIN IN SOUTH VIET NAM.
 T H Toan
Baltimore, John Hopkins Press. 87-89
 1969 NB633.C2
 Bushy stunt, Cicadellidac, Plant disease transmission, Rice, Stunt, Virus diseases (plants).
- 6111-69**
GENETICS OF AND BREEDING FOR RESISTANCE TO RICE VIRUS DISEASES.
 K Toriyama
Baltimore, John Hopkins Press. 313-334 REF
 1969 NB633.C2
 Hoja blanca, Plant breeding, Plant disease resistance, Plant genetics, Rice, Stripe, Tungro, Virus diseases (plants), Yellow dwarf.
- 6112-69**
INVESTIGATIONS ON CERTAIN VIRUS DISEASES ON PEAR TREE IN BULGARIA. (BU)
 D Trifonov
Horticult Viticult Sci 5(2):23-35 REF

1968 87 G75

Mottle, Pears, Research, Ring mosaic, Virus diseases (plants), Yellows. English and Russian summaries.

6113-69

STUDIES ON THE RESISTANCE TO ANTHRACNOSE DISEASE, (GLOEOSPORIUM AMPELOPHAGUM) OF GRAPE VARIETIES IN NORTHERN INDIA.

S N Tripathi A M Bartaria
Allahabad Farmer 42(5):275-278
Sep 1968 22 AL5

Anthracnose, Crop varieties, Fungus diseases (plants), Grapes, Plant disease resistance.

6114-69

FUSARIUM BLIGHT AND MERION BLUEGRASS.

J Troll
Usua Green Sect Rec 7(1):7-9
Jan 1969 60.18 UN33

Blight, Fungus diseases (plants), Fusarium roseum, Poa, Turf.

6115-69

SAPROPHYTIC DEVELOPMENT OF THE FLAX RUST MELAMPSORA LINI, RACE NO. 3.

F L M Turel
Can J Bot 47(5):821-823
May 1969 470 C16C

Fungus cultures, Melampsora lini, Plant biochemistry.

6116-69

TRANSFER OF CORIANDRUM SATIVUM L. INFLORESCENCE BLIGHT THROUGH SEEDS AND THE INFLUENCE OF SEED TREATMENT UPON THIS DISEASE. (POL.)

B Tyborska K Zaleski A Stelmazyk
Poznan Inst Przemyslu Zielarskiego Biul 13(4):228-239 REF
1967 451 P87

Bacterial diseases (plants), Blight, Coriandrum sativum, Epidemiology, Plant disease transmission, Seed treatment, Seeds. English and Russian summaries.

6117-69

FOREST DISEASE CONTROL IN CALIFORNIA; JULY 1, 1966 TO JUNE 30, 1967. ASB761.A3.

13 P. MAP
Sep 1967

Arceuthobium, Blister rust (pinus), Forests, Fungus diseases (plants), Pest control, Plant protection, Time, Tree diseases.

6118-69

STUDIES ON BOTRYTIS CINEREA IN TOMATOES. EFFECT OF SOIL NITROGEN LEVEL AND OF METHODS OF DELEAFING UPON THE OCCURRENCE OF B. CINEREA UNDER COMMERCIAL CONDITIONS.

K Verhoeff
Neth J Plant Pathol 74(6):184-192
1968 464.8 T44

Botrytis cinerea, Fungus diseases (plants), Nitrogen, Plant nutrition, Plant regulators, Soils, Tomatoes. Dutch summary.

6119-69

A RAPID COLORIMETRIC METHOD FOR THE DETERMINATION OF TOBACCO MOSAIC VIRUS CONCENTRATION IN PLANT SAPS.

H N Verma G S Verma
Experientia 24(9):972-973
15 Sep 1968 475 EX7

Colorimetry, Methodology, Sap, Tobacco mosaic virus, Virus diseases (plants).

6120-69

RESULTS OF TESTS OF FALL COLZA VARIETIES 1963-1966. (FR.)

F Vogel
Switzerland Stat Essais Agr Lausanne Publ (788):7P
May 1967 105.5 SW63

Colza, Oils, Plant diseases, Plant hardiness, Soil properties, Tables (data), Weather. Extract from *Romand Agriculture*, (ser a) 6(5):64-70, 1967.

6121-69

RUBBERY WOOD DISEASE BECOMES MORE EXTENSIVE. (GE.)

G Vukovits
Pflanzenarzt 20(6):62-63
01 Jun 1967 464.9 P482

Apples, Crop varieties, Plant disease transmission, Rubbery wood, Symptomatology, Virus diseases (plants).

6122-69

CONCLUDING REMARKS ON THE VIRUS DISEASES OF THE RICE PLANT.

J C Walker
Baltimore, John Hopkins Press. 337-338
1969 NB633.C2

Chemical control (plant diseases), Insect vectors, Plant disease resistance, Rice, Virus diseases (plants).

6123-69

IRON CHLOROSIS IN RELATION TO IRRIGATION PRACTICES.

E F Wallihan G E Goodall T W Embleton
Calif Avocado Soc Yearbook 52:120-124
1968 81 C128

Avocados, California, Chelation, Chlorosis, Cultural control (plant diseases), Iron, Irrigation, Plant nutrition, Plant nutritional deficiencies.

6124-69

IDENTIFYING MANGANESE DEFICIENCY IN AVOCADO TREES.

E F Wallihan M P Miller
Calif Avocado Soc Yearbook 52:135-136
1968 81 C128

Avocados, Chlorosis, Manganese, Manganese sulfate, Plant nutritional deficiencies, Zinc.

6125-69

VIRUS DISEASES OF RICE IN THAILAND.

L Wathanakul P Weerapat
Baltimore, John Hopkins Press. 79-85 REF
1969 NB633.C2

Leaf rust, Plant disease transmission, Rice, Virus diseases (plants), Yellow dwarf.

6126-69

LEAFSPOT OF GARDENIA.

C Wehlburg
Fla Dep Agr Div Plant Indus Tri-ology Tech Rep 7(6):13
Jun 1968 423.9 F6622

Bacterial diseases (plants), Chemical control (plant diseases), Gardenia, Leafspot, Streptomycin, Symptomatology, Weather.

6127-69

FUSARIUM FOOT-AND-STEM DISEASE OF THE CARNATION. (GE.)

J Weindlmayr
Pflanzenarzt 20(6):63-64
01 Jun 1967 464.9 P482

Captan, Copper sulfate, Dianthus caryophyllus, Fungicides, Fungus diseases (plants), Fusarium avenaceum, Fusarium culmorum, Fusarium roseum, Plant injuries, Soil fumigation, Symptomatology.

6128-69

THE SUSCEPTIBILITY OF CEREALS AND WILD OATS TO AN ISOLATE OF THE ASTER YELLOW PATHOGEN.

P H Westdal H P Richardson
Can J Bot 47(5):755-760 REF
May 1969 470 C16C

Aster yellows, Grain, Microorganisms, Mycoplasma, Oats.

6129-69

NEW DISEASE IN EUROPEAN PLUMS.

A White
Victorian Hort Dig 13(1,FEB/APR):12
1969 80 V662

Chemical control (plant diseases), Fungus diseases (plants), Lime, Plums, Sclerotinia laxa, Spraying, Sulfur.

6130-69

SELECTING AND BREEDING COCONUT PALMS (COCOS NUCIFERA L.) RESISTANT TO LETHAL YELLOWING DISEASE. A REVIEW OF RECENT WORK IN JAMAICA.

R A Whitehead
Euphytica 17(1):81-101 MAP REF
Apr 1968 450 EU6

Cocconuts, Lethal yellowing, Plant breeding, Plant disease resistance, Plant diseases, Plant genetics, Seedlings.

6131-69

AN OBSERVATION ON THE INFLUENCE OF NITROGEN FERTILIZATION ON THE ATTACK OF PEAS BY POWDERY MILDEW (ERYSIPHE POLYAGONI DC).

T Wijngaarden J Ellen
Plant Soil 30(1):143-144
Feb 1969 450 P696

Erysiphe polygoni, Fertilizers, Fungus diseases (plants), Nitrogen compounds, Peas, Plant protection, Powdery mildew.

6132-69

STUDIES ON THE TRANSMISSION OF PEA LEAF ROLL VIRUS BY MYZUS PERSICAE (SULZ.).

J Wilson
New Zeal J Agr Res 11(3):607-614
Aug 1968 23 N4892

Aphididae, Insect vectors, Leaf roll, Myzus persicae, Peas, Virus diseases (plants). English abstract

6133-69

VIRUS DISEASES OF CELERIAC AND CARROTS IN EUROPE. (GE.)

P Wolf
Deut Gartenbau 15(5):131-134 REF
May 1968 80 G1948

Aster yellows, Carrots, Celeriac, Crop yields, Insect vectors, Mosaic, Motley dwarf, Plant disease transmission, Virus diseases (plants).

6134-69

COMBATING BACTERIAL AND FUNGAL PLANT DISEASES WITH HEXACHLOROPHENE(2,2'-METHYLENE BIS-(3,4,6-TRICHLOROPHENOL). PATENT 3,420,936.

Wright
Us Patent Office Offic Gaz 858(1):278
07 Jan 1969 156.65 OF2

Bacteria, Fungus diseases (plants), Methylenebis(3,4,6-trichlorophenol), 2,2', Patents, Plant diseases.

6135-69

CUCURBIT DISEASES, AN AID TO IDENTIFICATION AND CONTROL.

D S Wysong J L Weihing
Nebr Univ Ext Ec (69-1848):2P
May 1968 275.29 N272EX

Bacterial diseases (plants), Chemical control (plant diseases), Cucurbits, Fungus diseases (plants), Plant diseases. Ten different diseases are described.

6136-69

VEGETABLE DISEASES, II. AN AID TO IDENTIFICATION AND CONTROL.

D S Wysong J L Weihing
Nebr Univ Ext Ec (69-1849):2P
May 1968 275.29 N272EX

Bacterial diseases (plants), Chemical control (plant diseases), Cultural control (plant diseases), Fungus diseases (plants), Vegetables, Virus diseases (plants).

The following vegetable diseases are discussed: Stem anthracnose, mosaic, bacterial spot, downy mildew, lettuce drop, fusarium wilt, white leaf spot, rust, and seab.

- 6137-69**
EFFECT OF VIRUS ON THE RICE PLANT.
S Yasuo
Baltimore, John Hopkins Press. 167-177 REF
1969 NB633.C2
Fertilizers, Leaf roll, Necrosis, Rice, Virus diseases (plants).
- 6138-69**
DISEASE CONTROL.
H C Young R V Sturgeon J M Vargas R E McCoy
Oklahoma State University, Turfgrass Research. (PT 2):1-20
Dec 1965 60.19 OK4
Agrostis, Algae, Brown patch, Chemical control (plant diseases), Cynodon dactylon, Dollar spot, Fungicides, Fungus diseases (plants), Grasses, Spring dead spot.
- 6139-69**
RARE SYMPTOMS ON CHRYSANTHEMUM MORIFOLIUM INFECTED WITH PUCCINIA HORIANA.
J C Zadoks A Kodde
Neth J Plant Pathol 74(6):232-233
1968 464.8 T44
Chrysanthemum morifolium, Fungus diseases (plants), Parasitism, Puccinia horiana. Dutch summary.
- 6140-69**
RHYTIDIELLA MORIFORMIS N. GEN., SP. CAUSING ROUGH-BARK OF POPULUS BALSAMIFERA.
H Zalasky
Can J Bot 46(11):1383-1387
Nov 1968 470 C16C
Culture media, Fungus diseases (plants), Populus balsamifera, Research, Rhytidella moriformis, Rough bark.
- 6141-69**
SARCOTROCHILA ALPINA AND LOPHODERMIIUM LARICINUM CAUSING LARCH NEEDLE BLIGHT IN NORTH AMERICA.
W G Ziller
Plant Dis Rep 53(3):237-239 REF
Mar 1969 1.9 P69P
Fungus diseases (plants), Larix, Lophodermium, Needle blight, Sarcotrochila alpina.
- ARTHROPODS**
- 6142-69**
EXPERIMENTS TO CONTROL ACORN WEEVILS WITH SYSTEMIC INSECTICIDES. DORSEY, C K.
Forest Sci 13(4):390-396
Dec 1967 99.8 F7632
Acorns, Bidrin, Chemical control (insects), Phorate, Quercus, Systemic insecticides.
- 6143-69**
FIELD STUDIES ON THE CHEMICAL CONTROL OF THE STEM BORER CHILO PARTELLUS ON HYBRID SORGHUM IN INDIA.
S M Ahmed W R Young
J Econ Entomol 62(2):478-482 REF
15 Apr 1969 421 J822
Benzene hexachloride, Carbaryl, Chemical control (insects), Chilo zonellus, Chlorinated hydrocarbons, Crop yields, Endrin, Insect pests, Insecticide application, Lindane, Plant injuries, Pyralidae, Sorghum, Spraying.
- 6144-69**
ESTIMATED FRASER FIR MORTALITY AND BALSAM WOOLLY APHID INFESTATION TREND USING AERIAL COLOR PHOTOGRAPHY.
R C Aldrich A T Drooz
Forest Sci 13(3):300-313 MAP REF
Sep 1967 99.8 F7632
- Abies fraseri, Adelges piceae, Aerial photography, Forest surveys, Mortality.
- 6145-69**
DAMAGE CAUSED BY ADULTS OF LEPIDOPTERA NOCTUIDAE IN MANGO FRUITS IN 1964. (SP)
N Angeles J R Requena R Rodriguez
Agron Trop 17(2, APR-JUN):133-137
1967 26 AG87
Agricultural economics, Insect pests, Mangoes, Noctuidae, Plant injuries. English summary.
- 6146-69**
THE WATER WEEVIL PROBLEM.
Anonymous
Rice J 72(2):24
Feb 1969 59.8 R36
Aldrin, Chemical control (insects), Chlorinated hydrocarbons, Curculionidae, Insect pests, Insecticide resistant insects, Insecticides, Lissorhoptrus oryzophilus, Propanil, Rice. Researchers continue search for effective control of ricefield pest that will not interact with Propanil.
- 6147-69**
SCIENTISTS FIND THE CAUSE OF THE BEAN WILT DISEASE.
Anonymous
J Agr 67(2):49
Feb 1969 23 V66J
Beans, Cicadellidae, Insect vectors, Plant disease resistance, Plant disease transmission, Virus diseases (plants), Wilt.
- 6148-69**
DDT AND THE FARMER.
Anonymous
J Agr 67(2):53
Feb 1969 23 V66J
Chemical control (pests), Chlorinated hydrocarbons, DDT, Pesticides. Many crops are discussed in relation to DDT application.
- 6149-69**
RESISTANT CORN ROOTWORMS... A PROBLEM ALMOST EVERYWHERE.
Anonymous
Doanes Agr Rep 32(5):22F,22H
08 Feb 1969 281.8 D652
Chemical control (insects), Chrysomelidae, Corn, Cultural control (insects), Diabrotica, Insecticide application, Insecticide resistant insects, Insecticides. Many insecticides for the control of corn rootworm are listed.
- 6150-69**
CONTROL OF THE CASTOR SHOOT AND CAPSULE BORER, DICHOCROCIS PUNCTIFERALIS GUEN.
B S Bai N V Radha B V David
Madras Agr J 55(11):470-473
Nov 1968 22 M262
Benzene hexachloride, Carbamates, Carbaryl, Castorbeans, Chemical control (insects), Chlorinated hydrocarbons, Dichocrocis punctiferalis, DDT, Fenitrothion, Imidan, Insect control, Insecticides, Malathion, Organophosphorus compounds, Parathion, Plant protection, Pyraustidae, Trichlorfon.
- 6151-69**
ALFALFA HOPPER DAMAGES SMALL SOYBEAN PLANTS.
J C Bailey L B Davis M L Laster
Miss Farm Res 33(5):1,5
May 1969 100 M69MI
Crop losses, Lodging, Plant injuries, Soybeans, Spissistilus festinus.
- 6152-69**
THE BIOLOGY, ECOLOGY AND CONTROL OF VANAPA OBERTHURI POUILL. COLEOPTERA; CURCULIONIDAE IN HOOP PINE ARAUCARIA PLANTATIONS IN NEW GUINEA.
J H Barrett
Papua New Guinea Agr J 19(2):47-60
Sep 1967 23 N453
- Araucaria cunninghami, Chemical control (insects), Curculionidae, Insect biology, Insect ecology.
- 6153-69**
DISULFOTON AS A SYSTEMIC INSECTICIDE FOR CONTROL OF ADULT WHITE-FRINGED BEETLES ON PEANUTS.
F J Bartlett J A Mitchell Z A Shaw
J Econ Entomol 61(4):1126
15 Aug 1968 421 J822
Biochemistry, Chemical control (insects), Disulfoton, Dosage, Humidity, Insecticide application, Insecticides, Mortality, Peanuts, Soils.
- 6154-69**
ON THE SIGNIFICANCE OF THE LYGUS SPECIES AS A PLANT PEST. (GE)
R Beech
Biol Zentralbl 86(2, MAR-APR):205-232
Apr 1967 442.8 B523
Chrysanthemum, Crop losses, Fungi, Insect pests, Insect vectors, Lygus, Miridae, Mosaic, Plant histology, Plant injuries, Virus diseases (plants). English abstract.
- 6155-69**
THE BIOLOGICAL CONTROL OF RED SCALE AONIDIELLA AURANTII (MASK), ON CITRUS IN SOUTH AFRICA.
E C G Bedford
Plant Protect Abs 4:202
Sep 1968 241.75 P69
Aonidiella aurantii, Biological control (pests), Citrus, Plant protection. Citrus Journal, no. 413, May 1968, p.17-28.
- 6156-69**
INFESTATION RATE AND DAMAGE BY THE NANTUCKET PINE TIP MOTH IN SIX LOBLOLLY PINE STAND CATEGORIES.
C W Berisford H M Kulman
Forest Sci 13(4):428-438 REF
Dec 1967 99.8 F7632
Habitats, Insect pests, Pinus taeda, Plant geography, Tree injuries.
- 6157-69**
INSECT PESTS OF PULSE CROPS.
O S Bindra
Indian Farming 17(11):12-14,56
Feb 1968 22 IN283
Benzene hexachloride, Chemical control (insects), Chlorinated hydrocarbons, Crop losses, DDT, Insect pests, Insecticides, Legumes.
- 6158-69**
ALFALFA INSECTS IN OHIO.
B D Blair H D Niemczyk
Ohio State Univ Ext Leaflet (130):8P MAP
Jan 1969 275.29 OH32EL
Alfalfa, Chemical control (insects), Curculionidae, Empoasca fabae, Hypocra postica, Insect pests, Insecticides, Larvicides, Plant injuries, Weather. Several pesticides are recommended.
- 6159-69**
INSECTICIDE CONTROL OF HELIOTHIS PUNCTIGERA WALLENGR. II. LINSEED CROP, 1961.
T V Bourke L Campbell-Smith
Agr Gaz New S Wales 78(PT 9):543-546
Sep 1967 23 N472
Carbaryl, Chemical control (insects), DDT, Endosulfan, Flaxseed, Heliothis.
- 6160-69**
FACTORS AFFECTING THE APPEARANCE OF HOLLY OAKS IN SOUTHERN CALIFORNIA.
L R Brown C O Eads
J Econ Entomol 62(1):114-117
17 Feb 1969 421 J822
Armillaria mellea, Chemical control (insects), Dicback, DDT, Insect vectors, Oxydemetonmethyl, Plant diseases, Quercus ilcx, Spraying.

6161-69

STUDIES ON THE STRAWBERRY MITE (TETRANYCHUS TELARIUS (L.)) (POR)

R Calza N S Filho

Biologico 33(7):137-143

Jul 1967 442.8 B529

Carbophenothion, Chemical control (insects), Dichlorvos, Dimethoate, Ethion, Insecticide residues, Insecticides, Mevinphos, Mites, Organophosphorus compounds, Strawberries, Tetranychus telarius.

6162-69

CONTROL OF SOME PESTS OF EVER-GREENS.

R L Campbell

31:27-31

Sep 1968

Adelges cooleyi, Aphididae, Carbamates, Carbaryl, Chemical control (insects), Chlorinated hydrocarbons, Cinarra strobil, Diaspididae, Dimethoate, Eriophyes thujae, Ethion, Formulations, Fuel oil, Insect pests, Insecticides, Malathion, Mites, Organophosphorus compounds, Phenacaspis pinifoliae, Phylloxera, Picca abies, Pinus sylvestris, Plant protection, Pseudococcidae, Pseudotsuga menziesii, Taxus, Thuja.

6163-69

ESTABLISHMENT OF APHELINUS MALI (HALDEMAN) AT SHILLONG, ASSAM.

M J Chacko

Cur Sci 36(11):298-299

05 Jun 1967 475 SCI23

Aphelinus mali, Biological control (insects), Eriosoma lanigerum.

Biological control of the woolly aphid, a serious pest of apples in India, was successful with the introduction of Aphelinus mali, a hymenopterous parasite.

6164-69

IMPROVEMENT OF THE AGRICULTURAL WARNING (DEVICE) AGAINST THE CEREAL GALL MOTH (CNEPHASIA PUMICANA ZELL., LEP. TORTRICIDAE). (FR)

J P Chambon

Rev Zool Agr Appl 67(7-9, 3RD

TRIMESTER):95-102

1968 410.9 SO12

Insect behavior, Insect control, Insect outbreak forecasting, Insect traps, Insecticide application, Tortricidae.

6165-69

INSECT-PESTS ATTACKING SUGAR CANE AT AGRA.

B S Chandel R L Yadava

Balwant Vidyapeeth J Agr Sci Res 6(1/2, JUN-DEC):92-94

1964 22 B212

Insect pests, Sugarcane. Twenty insect pests of sugarcane are listed.

6166-69

BAITS FOR THE CONTROL OF LEAF-CUTTING ANTS. I. FORMULATION.

J M Cherrett

Trop Agr & St Augustine 46(2):81-90 REF

Apr 1969 26 T754

Atta texana, Attractants, Baits, Chemical control (insects), Oils.

The advantages of baits for the control of leaf-cutting ants, over previous methods of nest destruction are stressed, particularly in the context of large-scale eradication campaigns. Two important formulation problems centre around the possible use of an oil in which the intoxicant is dissolved, and the selection of a suitably attractive base. Thirty vegetable oils were screened for attractiveness to Atta cephalotes and Acromyrmex octospinosus. Both field and laboratory studies on the attractiveness of oils and on their subsequent ingestion suggest that A. cephalotes, and A. octospinosus, differ in their preferences from Atta texana.

6167-69

LEAFHOPPER TRANSMISSION OF TRANSITORY YELLOWING OF RICE.

R J Chiu J H Jean

Baltimore, John Hopkins Press. 131-137 REF

1969 NB633.C2

Insect vectors, Nephrotettix, Plant disease transmission, Rice, Yellowing.

6168-69

STUDIES ON A BIOLOGICAL AND A CHEMICAL METHOD OF CONTROLLING THE DARK RICE FIELD MOSQUITO IN LOUISIANA. (ABSTRACTS).

B R Craven C D Steelman

Rice J 71(13):25

Dec 1968 59.8 R36

Abate, Biological control (insects), Carbamates, Chemical control (insects), Culicidae, Fenthion, Gambusia affinis, Insecticides, Larvae, Propanil, Psorophora confinnis, Rice, Urea compounds. Abstract furnished by David F. Houston, 223 Behrens St., El Cerrito, Calif.

6169-69

GUIDE LINES FOR THE TESTING OF MATERIALS ON CARROT FLIES ON CARROTS. (GE)

G Cruger C Bauers H-F Lichte E Moscbach J Schmidt

Berlin Biol Bundesanst Land-forstwirtschaftl Mitt

(3):1-7

1968 410.9 G31M

Carrots, Chemical control (insects), Diptera, Insecticides, Methodology, Psila rosae, Psilidae.

6170-69

ALTERNATE HOSTS OF THE GREENBUG.

N E Daniels

J Econ Entomol 62(2):521

15 Apr 1969 421 J822

Insect pests, Insect populations, Schizaphis graminum, Sorghum, Wheat.

6171-69

CHEMICAL CONTROL OF THE TEA TORTRIX (HOMONA COFFEARIA NIETNER).

W Danthanarayana D J W Ranawecera

Ceylon Tea Res Inst Tea Quart 39(3):50-60

Sep 1968 68.18 C33

Braconidae, Chemical control (insects), Chlorinated hydrocarbons, DDT, Insect control, Insecticides, Tortricidae, Trichlorfon.

Of nineteen insecticides evaluated, the best control of the Tea Tortrix Caterpillar (Homona coffearia Nietner) was provided by DDT which at the rate of four to six pints (18-15 per cent EC) per acre gave satisfactory tortrix control for a period of more than two months. There was no difference in the degree of control obtained with either low-volume or high-volume applications of DDT. No adverse effects on the population of the tortrix parasite Macrocentrus homonae were evident.

6172-69

TWIG AND BRANCH MORTALITY OF AMERICAN BEECH INFESTED WITH OYSTERSHELL SCALE.

R C DeGroot

Forest Sci 13(4):448-455 MAP REF

Dec 1967 99.8 F7632

Fagus grandifolia, Insect pests, Lepidosaphes ulmi, Zoogeography.

6173-69

EFFECTS OF THE WINTER MOTH ON GROWTH AND MORTALITY OF RED OAK IN NOVA SCOTIA.

D G Embree

Forest Sci 13(3):295-299

Sep 1967 99.8 F7632

Defoliation, Mortality, Operophtera brumata, Plant injuries, Quercus rubra.

6174-69

HYLEMIA CILICRURA ROND. ON THE DIANTHUS CULTURES OF PESCIA AND VER-SILIA. (IT)

G A Fenili

Redia (SER 2) 50:151-162

1967 421 R241

Aldrin, Anthomyiidae, Chemical control (insects), Diantus, Dielidion, DDT, Insect biology, Insect eggs, Larvae, Muscidae, Parathion, Pupae, Soil treatment, Spraying, English summary.

6175-69

STUDY OF THE CONTROL OF ANTONINA GRAMINIS (MASKELL)--CURSE OF HAY (DIGITARIA PENTZII) WITH GRANULAR SYSTEMIC INSECTICIDES. (POR)

N S Filho P Nutti R Calza

Biologico 35(1):22-24

Jan 1969 442.8 B529

Antonina graminis, Digitaria, Disulfoton, Formulations, Hay, Organophosphorus compounds, Phorate.

6176-69

ISOLATION OF THE ORGANISM CAUSING YEAST-SPOT DISEASE FROM THE SALIVARY SYSTEM OF THE GREEN STINK BUG.

J E Foster D M Daugherty

J Econ Entomol 62(2):424-427

15 Apr 1969 421 J822

Acrosternum hilare, Fungus diseases (plants), Insect physiology, Insect vectors, Nematospora coryli, Plant disease transmission, Salivary glands (insects), Soybeans, Yeast spot.

6177-69

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

R I Gara J E Coster

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

85 REF

Sep 1968 451 B69

Dendroctonus frontalis, Insect behavior, Insect outbreaks, Ips, Pinus taeda.

6178-69

NOTES ON GALL-MIDGES FROM ISRAEL AND THEIR PARASITES.

U Gerson I Harpaz

Entomol Ber 28(8):144-148 REF

01 Aug 1968 420 N38B

Cecidomyiidae, Gall-making insects, Insect behavior, Insect pests, Plant galls.

6179-69

TRANSMISSION OF CLOVER PHYLLODY BY A NEW LEAFHOPPER VECTOR, EUSECLIDIUS VARIEGATUS.

J Giannotti

Plant Dis Rep 53(3):173 REF

Mar 1969 1.9 P69P

Aucecephalus nervosus, Cicadellidae, Clover, Euseclidius variegatus, Insect vectors, Phyllody, Plant diseases.

6180-69

NORTHERN SPY, MERTON AND MALLING-MERTON ROOTSTOCKS SUSCEPTIBLE TO WOOLLY APHID, ERIOSOMA LANIGERUM, IN THE WESTERN CAPE.

J H Giliomee D K Strydom H J Van Zyl

S Afr J Agr Sci 11(1):183-186

Mar 1968 24 SU3

Aphididae, Apples, Eriosoma lanigerum, Plant diseases, Plant pest resistance. Afrikaans, french and english abstract

6181-69

TESTING INSECTICIDES ON THE FARM.

H Gunderson

Crops Soils 21(7, APR-MAY):18

1969 6 W55

Chemical control (insects), Insecticide application, Insecticides.

6182-69

1969 INSECT CONTROL GUIDE FOR COLORADO. I. CEREAL CROPS, FIELD CROPS, FORAGE CROPS, STORED GRAIN.

W M Hantsbarger

- Colo Agr Exp Sta Gen Ser (883):26P*
Feb 1969 100 C71G
Accident prevention, Chemical control (insects), Forage plants, Grain, Insect pests, Insecticides, Stored products.
- 6183-69**
1969 TREE FRUIT SPRAY GUIDE.
W M Hantsbarger
Colo Agr Exp Sta Gen Ser (886):14P
Feb 1969 100 C71G
Accident prevention, Fruit culture, Fungus diseases (plants), Insect pests, Insecticide application, Insecticides, Regulation (pesticides), Spraying.
- 6184-69**
1969 INSECT CONTROL GUIDE FOR COLORADO. II. VEGETABLE CROPS.
W M Hantsbarger
Colo Agr Exp Sta Gen Ser (884):26P
Feb 1969 100 C71G
Chemical control (insects), Insect pests, Insecticides, Vegetables.
- 6185-69**
CONTROL OF INSECTS ON ALFALFA AND RED CLOVER.
W. Harding J W Neal D Shriver W E Bickley
Md Univ Ext Fact Sheet (149):4P
Dec 1968 275.29 M36FA
Acaricides, Alfalfa, Aphididae, Cercopidae, Chemical control (insects), Cicadellidae, Curculionidae, Empoasca fabae, Hypera postica, Hypera punctata, Insect pests, Insecticide application, Insecticides, Mites, Noctuidae, Philaenus spumarius, Red clover, Tetranychus atlanticus. Many insecticides are listed.
- 6186-69**
INSECT CONTROL IN COTTON.
H M Hassan
Tabak-Zeitung (11):17-25
Dec 1968 286.9 SU2
Chemical control (insects), Cotton, Insect pests, Insecticides, Spraying. Many insecticides were recommended for the insect pests of cotton.
- 6187-69**
PORINA AND GRASSGRUBS PUT CURBS ON PRODUCTION.
G A H Helson
New Zeal J Agr 115(6):25,27
Dec 1967 23 N48J
Caterpillars, DDT, Insect ecology, Lindane, Pasture management.
Crop losses due to Porina caterpillars and grass grubs is discussed. Control with DDT on pasture lands has been banned because of residue problems and the use of diazinon and lindane is suggested in its place.
- 6188-69**
DESCRIPTION, DAMAGE AND CONTROL OF THE SOUTHWESTERN CORN BORER.
C A Henderson F M Davis
Miss Farm Res 33(5):1,4-5,8 MAP
May 1969 100 M69MI
Biological control (insects), Carbamates, Carbaryl, Chemical control (insects), Chlorinated hydrocarbons, Corn, Crop losses, Cultural control (insects), Diatraea grandiosella, Diazinon, Endrin, Insect pests, Insect physiology, Insecticides, Organophosphorus compounds, Tillage, Zoogeography.
- 6189-69**
THOSE HUNGRY GYPSIES (PHOTO STORY).
L Hess
Amer Forests 75(3):28-31
Mar 1969 99.8 F762
Chemical control (insects), Chlorinated hydrocarbons, DDT, Insect control, Legislation, Porthetria dispar.
A photostory illustrating the destructive nature of the gypsy moth, Porthetria dispar, and several control measures are presented.
- 6190-69**
FIGS (FICUS SPP.) AND FIG-WASPS (CHALCIDOIDEA).
D S Hill
Ann Mag Natur Hist 1(3,JUL-SEP):413-434 REF
Sep 1967 410 AN77
Chalcidoidea, Figs, Host relationships, Insect ecology, Pollination, Symbiosis.
- 6191-69**
MYCOPLASMA-LIKE BODIES IN THE SALIVARY GLANDS OF INSECT VECTORS CARRYING THE ASTER YELLOWS AGENT.
H Hirumi K Maramorosch
J Virology 3(1):82-84 REF
Jan 1969 QR360.J6
Aster yellows, Glands (insects), Insect vectors, Mycoplasma, Salivary glands, Virology, Virus diseases (plants).
- 6192-69**
INDICATIONS ON PLANT CARE FOR OLIVE CROP CULTIVATION. (GE)
O Horning
Gesunde Pflanzen 19(5):94-97
May 1967 464.8 G33
Chemical control (insects), DDT, Field crops, Insecticides, Lindane, Olives, Rape, Siphonaptera, Tillage.
- 6193-69**
INSECTICIDAL FIELD TREATMENTS FOR THE CONTROL OF THE EUROPEAN CORN BORER. OSTRINIA NUBILALIS (HUBNER) IN SOUTHWESTERN QUEBEC, 1967.
M Hudon
Pesticide Progr 6(2):43-45
Mar 1968 79.8 P434
Biochemistry, Carbaryl, Chemical control (insects), Corn, DDT, Field crops, Insecticides, Ostrinia nubilalis, Plant injuries, Spraying.
- 6194-69**
TIMING INSECTICIDE APPLICATIONS FOR EUROPEAN CORN BORER CONTROL IN SOUTHWESTERN QUEBEC, 1967.
M Hudon
Pesticide Progr 6(2):44-45
Mar 1968 79.8 P434
Chemical control (insects), Corn, DDT, Injections, Insecticide application, Insecticides, Metamorphosis, Ostrinia nubilalis, Population, Time.
- 6195-69**
CHEMICAL CONTROL OF CODLING MOTH WITH DDT AND SEVIN, THE RESISTANCE PROBLEM OF CODLING MOTH TO DDT AND ADDITIONAL OBSERVATIONS ON THE EFFECT OF FRUIT THINNING OF SEVIN. (TU)
Z Iren
Bitki Koruma Bulteni 6(2):49-66 REF
1966 464.8 B542
Acaricides, Biochemistry, Carbaryl, Carpocapsa pomonella, Chemical control (insects), DDT, Fruit, Immunity, Insecticide application, Population, Research, Spraying. English summary
- 6196-69**
CONCERNING A MASS POPULATION INCREASE OF THE FALSE PINE WEBWORM, ACANTHOLYDA ERYTHROCEPHALA CHR. IN STEINFELD, LOWER AUSTRIA, IN THE YEARS 1964-1967. PRELIMINARY COMMUNICATION. (GE)
E Jahn
Anz Schadlingskunde 40(10):145-152 REF
Oct 1967 421 AN9
Acantholyda erythrocephala, Chemical control (insects), Fumigants, Pinus nigra, Polyhedroses, Tree injuries. English, french and Russian summaries.
- 6197-69**
RESISTANCE TO BOLL WEEVIL (ANTHONOMUS GRANDIS BOH.) OVIPOSITION IN COTTON.
J N Jenkins F G Maxwell W L Parrot W T Buford
Crop Sci 9(3,MAY-JUN):369-372
May 1969 64.8 C883
Anthonomus grandis, Cotton, Oviposition, Plant nematode resistance.
- 6198-69**
FIELD EXPERIMENTS WITH TRICHOGRAMMA BRASILIENSIS FLAND. FOR THE POSSIBLE CONTROL OF THE PINK BOLLWORM OF COTTON, PECTINOPHORA GOSYPIELLA SAUND., IN MEXICO. (SP)
E J Jimenez
Fitofilo (58,APR-MAY-JUN):5-9
Jun 1968 421 F55
Biological control (insects), Insect control, Pectinophora gossypiella, Predaceous insects, Trichogramma.
- 6199-69**
SAN JOSE SCALE (QUADRASPIDIOTUS PERNICIOSUS).
E L Jones
Agr Gaz New S Wales 78(PT 11):668-670
Nov 1967 23 N472
Aspidiotus perniciosus, Carbaryl, Chemical control (insects), Fruit, Malathion, Trees.
- 6200-69**
BLOODWORMS- PESTS OF RICE.
E L Jones
Agr Gaz New S Wales 79(8):477-478
Aug 1968 23 N472
Biochemistry, Chemical control (insects), DDT, Field crops, Insect pests, Insecticides, Plant injuries, Rice, Roots, Seed germination, Seedlings.
- 6201-69**
PONGAMIA CAKE CAN CONTROL TOBACCO BEETLE.
B G Joshi R S N Rao
Indian Farming 18(7):33
Oct 1968 22 IN283
Chemical control (insects), Insect control, Insecticidal plants, Insecticides, Pongamia, Tenebrionidae, Tobacco.
Cakes made of Pongamia, an insecticidal plant, were found to be effective in controlling tobacco beetles and had the added advantage over dieldrin and aldrin of leaving no harmful residues in the soil.
- 6202-69**
TERMITES NEED NO LONGER THREATEN GROUNDNUT IN NIMAR.
P K Kaushal R R Deshpande
Indian Farming 17(7):17
Oct 1967 22 IN283
Aldrin, Benzene hexachloride, Chemical control (insects), Chlordane, Chlorinated hydrocarbons, Heptachlor, Insect detection, Isoptera, Lindane, Peanuts, Plant injuries.
The nature of the injuries to peanut plants by termites is described. Chlordane and heptachlor are recommended for control.
- 6203-69**
INSECTICIDE RECOMMENDATIONS FOR TOBACCO FIELDS, 1969.
Ky Univ Ext Misc (270-F):3P
1969 275.29 K415M
Chemical control (insects), Insect pests, Insecticides, Soil insects, Tobacco. Many insecticides were recommended against various insects.
- 6204-69**
COMPARATIVE EFFICACY AND ECONOMICS OF VARIOUS MEASURES ADOPTED FOR ERADICATION OF WHITE GRUB BEETLE (HOLOTRICHIA SERRATA FABRICIUS) DAMAGING SUGARCANE IN UTTAR PRADESH.
S S Khanna K M Gupta K M Rai
Indian Sugar 18(3):247-250
Jun 1968 65.8 IN26
Chemical control (insects), Chlorinated hydrocarbons, Economics, Heptachlor, Holotrichia serrata, Insecticides, Isobenzan, Plant protection, Scarabaeidae, Sugarcane.

6205-69

6205-69
ECOLOGICAL OF INSECT VECTORS, FORECASTING, AND CHEMICAL CONTROL.

R Kisimoto

Baltimore, John Hopkins Press. 243-255

1969 NB633.C2

Black-streaked dwarf, Carbaryl, Chemical control (insects), Chlorinated hydrocarbons, Diazinon, Fenitron, Insect ecology, Insect outbreak forecasting, Insect vectors, Laodelphax striatellus, Nephrotettix cincticeps, Rice, Stripe.

6206-69

ALFALFA WEEVIL CONTROL, 1969.

G Knowlton D W Davis

Utah State Univ Ext Leaflet (54):6P

1969 275.29 UTIL

Alfalfa, Biological control (insects), Carbamates, Chemical control (insects), Chlorinated hydrocarbons, Cultural control (insects), Hypera postica, Insect physiology, Insecticide application, Insecticides, Organophosphorus compounds.

The insecticides discussed are parathion, malathion, methyl parathion, methoxychlor, carbaryl, alfatox, diazinon, and guthion.

6207-69

GRASSHOPPER CONTROL 1969.

G F Knowlton

Utah State Univ Ext Leaflet (75):11P

1969 275.29 UTIL

Alfalfa, Carbamates, Chemical control (insects), Chlorinated hydrocarbons, Cultural control (insects), Grain, Grasshoppers, Insecticide application, Insecticides, Organophosphorus compounds, Pastures. Many insecticides for grasshopper control are discussed.

6208-69

DRYFARM WHEAT INSECTS.

G F Knowlton

Utah State Univ Ext Entomol Mimeo Ser (139):2

Mar 1969 275.29 UTIEN

Chemical control (insects), Insect pests, Insecticides, Wheat.

The insect pests harmful to wheat are aphids, brown wheat mite, cutworms, armyworms, grass bugs, grasshoppers, pale western cutworm, stink bug, thrips, and wireworms. Ten insecticides are also listed.

6209-69

GYPSY MOTH (OCNERIA DISPAR) CONTROL IN THE ROADSIDE PLANTATIONS. TRANSL. 17032.

F Kokhmanyuk

4P

22 Jan 1969

Attractants, Fruit, Insect biology, Insect pests, Insect traps, Plant protection, Plantations, Porthetria dispar. Translation from Protection of Plants against Pests and Diseases 10(4):30-31, 1965. translated by C. E. Nikiforoff.

6210-69

IXODES RICINUS BORNE PARASITES OF CATTLE IN THE NETHERLANDS. (DU)

H Kuil

Entomol Ber 27(4):65-68

01 Apr 1967 420 N38B

Babesia, Cattle, Eperythrozoon, Epizootic diseases, Insect vectors, Ixodes ricinus, Livestock diseases, Rickettsia. English abstract

6211-69

APHYTIS MYTILASPIDIS (LE BARON), A PARASITE OF PARLATORIA BLANCHARDII (TARG) IN THE PALM PLANTATIONS OF THE ADRAR REGION OF MAURITANIA. (FR)

Y Laudeho

Fruits 23(5):271-275

May 1968 80 F9492

Aphytis, Dates, Hyperparasitism, Larvae, Palmac, Parasitism, Parlatoria blanchardii, Zoogeography.

6212-69

A CONTRIBUTION TO THE STUDY OF THE ZOOCECIDIA OF SNOWDONIA NATIONAL PARK AND ADJACENT PARTS OF NORTH WALES.

D Leatherdale

Marcellia 343:203-211 MAP REF

Dec 1967 421 M33

Cecidomyiidae, Research, Zoogeography.

6213-69

THE USE OF INSECTICIDES IN THE SWEDISH FORESTRY.

B Lekander

Opusc Entomol 33(1-2):50-51

1968 421 OP7

Chemical control (insects), Forest insects, Hylobius, Insecticides.

6214-69

DEVELOPMENT OF RESISTANCE TO DDT BY THE APPLE MAGGOT, RHAGOLETIS POMONELLA.

D F Leonard

J Econ Entomol 54(5):880-882, 9 REFS.

Aug 1961 421 J822

Apples, DDT, Insecticide resistant insects, Maggots, Rhagoletis.

6215-69

OLD PESTS WITH NEW APPETITES.

A Linn

Farm Quart 24(1, SPRING):50,122,124

1969 6 F22995

Chemical control (insects), Hymenoptera, Insect pests, Insecticides, Parasitism, Sorghum, Zoogeography. The following insecticides were used: chyl parathion, systox, diazinon, malathion, di-syston and cygon.

6216-69

EFFECT OF RICE-PATHOGENIC VIRUSES ON THEIR INSECT VECTORS.

K Maramorosch

Baltimore, John Hopkins Press. 179-203 REF

1969 NB633.C2

Cicadellidae, Insect vectors, Rice, Stripe, Virus diseases (plants).

6217-69

THE USE OF ENTOMOPATHOGENIC MICROORGANISMS IN AGRICULTURE: ACTUAL AND PROSPECTIVE POTENTIALITIES OFFERED BY BACILLUS THURINGIENSIS BERLINER. (FR)

D Martourct

Paris Acad Agr France Compt Rend Hebd Seances

53(2):154-159

1967 14 P215BC

Bacillus thuringiensis, Biological control (insects), Insect diseases, Insect pests.

6218-69

A MITE TO COMBAT COCONUT CATERPILLAR.

K Mathen B Sathiamma C Kurian

Indian Farming 18(5):32-33

Aug 1968 22 IN283

Biological control (insects), Caterpillars, Coconuts, Mites, Nephantis scriinopa, Plant protection, Predaceous insects, Pycnotes ventricosus.

6219-69

COTTON PRODUCTION: INSECTS - COMPARATIVE ECONOMIC INSECT REPORT.

J May

Arizona Agricultural Experiment Station, Tucson. SER.P-15:39-42

Feb 1969 S544.3.A6A7

Cotton, Crop yields, Insect pests, Reports. Twenty-three pest of cotton are mentioned indicating geographical location and seasonal variations.

6220-69

THE SOUTH AFRICAN CARNATION ROLLER MOTH EPICHRISTODES ACERBELLA (WALK.) DIAKONOFF. (GE)

K Mayer

Nachrichtenbl Deut Pflanzenschutzdienstes

19(1):8-9 REF

Jan 1967 442.9 B832

Carbaryl, Chemical control (insects), Dianthus caryophyllus, DDT, Insect pests.

6221-69

MARYLAND ARBORISTS DISCUSS INSECT CONTROL.

C W McComb

Amer Nurseryman J 129(6):12,44,46,48,50

15 Mar 1969 80 AM371

Agrilus anxius, Aphididae, Buprestidae, Ccrambycidae, Chemical control (insects), Chlorinated hydrocarbons, Dieltrin, DDT, Fertilizer application, Fertilizers, Insect pests, Insecticides, Lindane, Saperda calcarata, Trees.

6222-69

YIELD REDUCTION OF OATS CAUSED BY THE CEREAL LEAF BEETLE.

D L Merritt J W Apple

J Econ Entomol 62(2):298-301

15 Apr 1969 421 J822

Carbofuran, Chemical control (insects), Crop yields, Malathion, Oats, Oulema melanopus, Spraying.

6223-69

THE ORIENTAL FRUIT MOTH AND ITS CONTROL.

R L Miller H Y Forsythe

Ohio State Univ Ext Leaflet (L-159):2P

Mar 1969 275.29 OH32EL

Azinphosmethyl, Carbaryl, Chemical control (insects), Chlorinated hydrocarbons, DDT, Fruit, Grapholitha molesta, Insecticides, Organophosphorus compounds, Parathion, Peaches.

6224-69

THE CODLING MOTH AND ITS CONTROL.

R L Miller H Y Forsythe

Ohio State Univ Ext Leaflet (L-158):2P

Mar 1969 275.29 OH32EL

Apples, Azinphosmethyl, Carbaryl, Carpocapsa pomonella, Chemical control (insects), Chlorinated hydrocarbons, DDT, Insecticides, Larvae.

6225-69

CAPSID BUGS ON FRUIT.*Great Brit M in Agr Fish Food Adv Leaflet (154):5P*

Jul 1968 10 G79LA

Azinphosmethyl, Chemical control (insects), DDT, Fruit, Insect biology, Insect identification, Insect pests, Lygocoris pabulinus, Plant injuries, Plesiocoris rugicollis, Spraying.

6226-69

ABNORMAL RAY TISSUE IN THREE TRUE FIRS INFESTED BY THE BALSAM WOOLLY APHID.

R G Mitchell

Forest Sci 13(3):327-332

Sep 1967 99.8 F7632

Abies, Adelgids piecuae, Comprog, Phytopathology, Tree injuries.

6227-69

THE PINK BOLLWORMS OF COTTON, PECTINOPHORA GOSYPIELLA SAUND., IN A PROTECTED NORTHWEST ZONE AND DIAGNOSTIC CHARACTERISTICS. (SP)

E E Miyazauna

Fitofilo (58, APR-MAY, JUN):11-16

Jun 1968 421 F55

Cotton, Insect identification, Pectinophora gossypiella.

6228-69

VECTORS OF RICE VIRUSES IN ASIA.

S Nasu

Baltimore, John Hopkins Press. 93-109 REF

1969 NB633.C2

Insect vectors, Nephrotettix, Plant disease transmission, Rice, Virus diseases (plants).

- 6229-69
SOME OBSERVATIONS ON THE INTERRELATIONS OF PLANTS AND INSECTS IN THE FOOTHILLS OF SOUTHERN TAJIKISTAN. (RU)
G N Nepli
Bot Zhur (moscow) 52(12):1791-1794
Dec 1967 451 R923
Ecology, Insects, Plants.
- 6230-69
INSECT PESTS OF PALM TREES. (FR)
G Nonviller
Cameroun Agr Past Forest (110):14-39 REF
Jun 1967 24 C353
Chemical control (insects), Crop losses, Cultural control (insects), Insect pests, Palmac, Plant nematodes, Rodents. Many insect pests of palm trees are described and the means for their control are discussed.
- 6231-69
INSECT PESTS OF BARLEY AND THEIR CONTROL.
R G Oahms
U S D A Agr Handb (338):43-44
Mar 1968 1 AG84AH
Acrididae, Aphididae, Barley, Biological control (insects), Carbamates, Cecidomyiidae, Chemical control (insects), Chlorinated hydrocarbons, Chrysomelidae, Insect pests, Insecticide application, Insecticides, Lygacidae, Noctuidae, Organophosphorus compounds.
The insect pests discussed are: greenbug, English grain aphid, chinch bug, Hessian fly, armyworm, grasshoppers and cereal leaf beetle. The insecticides discussed are: parathion malathion, demeton, methyl parathion, carbaryl and toxaphene.
- 6232-69
CONTROLLING PEACH YELLOW IN A PEACH BREEDING PROGRAM.
G D Oberle S A Wingard
Hortscience 2(2,SUMMER):55-56
1967 SBI.H6
Chemical control (pests), Chlorinated hydrocarbons, Cicadellidae, Dieldrin, DDT, Insect vectors, Macropsis trimaculata, Peaches, Plant breeding, Plant protection, Virus diseases (plants), Yellows.
- 6233-69
ITALIAN BEET CULTURE. THE PROTECTION AGAINST INSECT PESTS. (IT)
R Olimpieri
Agricoltura 17(6):72-78
Jun 1968 16 AG8226
Beets, Chemical control (insects), Coleoptera, Diptera, Hemiptera, Insect pests, Lepidoptera, Nematocides, Plant nematodes. English and French summaries. discussion of many insect pests and nematodes.
- 6234-69
THE PRINCIPLE INSECT PESTS OF BEETS AND THE MEANS OF THEIR CONTROL IN TURKEY. (FR)
M Ozcer
Ankara Univ Ziraat Fak Yayinlari (296):54P REF
1967 107 AN42
Beets, Benzene hexachloride, Chemical control (insects), Chlorinated hydrocarbons, Crop losses, DDT, Insect biology, Insect morphology, Insect pests, Organophosphorus compounds, Zoogeography.
Many pests belonging to the following orders are discussed: Coleoptera, Lepidoptera, Diptera, Orthoptera, Thysanoptera and Homoptera.
- 6235-69
INSECT PESTS OF GRAIN IN THE FIELD OF TURKEY.
M. Ozcer
Ankara Univ Fac Agr Yearbook 7:151-160 REF
1967 25 AN42
Crop losses, Cultural control (insects), Grain, Insect behavior, Insect pests, Plant protection. Many pests of grain are described.
- 6236-69
COUNTERING THE CASTOR SEMI-LOOPER.
Y D Pande
Indian Farming 17(6):23,25
Sep 1967 22 IN283
Achaca janata, Benzene hexachloride, Castor beans, Chemical control (insects), Chlorinated hydrocarbons, Cultural control (insects), DDT, Endrin, Lead arsenate.
The life cycle and control of the castor semi-looper (Achaca janata) is discussed. Plowing of effected fields after harvest, and destruction of wild (volunteer) plants together with the application of DDT, HCH, endrin, or lead arsenate are the recommended control measures.
- 6237-69
ESSAY ON INSECTICIDAL TREATMENTS ON THE APPLE FRUIT FLY, RHAGOLETIS POMONELLA (WALSH) IN SOUTHWEST QUEBEC. (FR)
R O Paradis
Entomol Soc Quebec Ann 13(1):54-64 REF
Jan 1968 420 EN822
Apples, Carbamates, Chemical control (insects), Chlorinated hydrocarbons, Dimethoate, DDT, Insecticide application, Organophosphorus compounds, Plant pest control, Rhagoletis pomonella. English abstract
- 6238-69
NAVY BEAN PESTS.
T Passlow
Queensland Agr J 94(12):762-763
Dec 1968 23 Q33
Caterpillars, Chemical control (insects), Chlorinated hydrocarbons, DDT, Insect pests, Insecticides, Kidney beans.
- 6239-69
DELHI FARMERS NEED NOT BE AFRAID OF MUSTARD APHID.
K M Pcswani K Kumar R Lal
Indian Farming 18(7):17-19
Oct 1968 22 IN283
Benzene hexachloride, Chemical control (insects), Insect control, Insecticides, Lindane, Lipaphis crysimi, Mustard.
Three spray treatments per season with 0.1 per cent lindane were found to successfully control the mustard aphid, Lipaphis crysimi. Treated plants produced quantitatively and qualitatively increased seed yields in comparison with the controls.
- 6240-69
A GUIDE TO THE USE OF PESTICIDES FOR THE CONTROL OF AGRICULTURAL PESTS.
B K Petty J Bot N Hollings
Government Printer, Pretoria, Republic Of South Africa 66P
Jun 1966 SB961.P4
Accident prevention, Chemical control (pests), Pesticide application, Pesticides, Plant protection. The article is a guide to the use of many pesticides.
- 6241-69
GUIDE LINES FOR THE TESTING OF MATERIALS SAN-JOSE SCALE INSECT (SJS). (GE)
W Plilipp K Hanuss
Berlin Biol Bundesanst Land-forstwirtschaft Mitt (3):1-7
1968 410.9 G31M
Apples, Aspidiotus perniciosus, Chemical control (insects), Diaspididae, Homoptera, Insecticides, Methodology.
- 6242-69
INSECTS AND DISEASES OF VEGETABLES IN THE HOME GARDEN.
L B Reed R E Webb
U S D A Home Gard Bull (46):48P
Oct 1968 1 AG84HG
Bacterial diseases (plants), Beneficial insects, Chemical control (insects), Chemical control (plant diseases), Dusting equipment, Fungicides, Fungus diseases (plants), Insect pests, Insecticides,
- Spraying equipment, Vegetables, Virus diseases (plants). Many insect pests and diseases of specific vegetables are discussed. Also many pesticides are listed.
- 6243-69
DIAPAUSE GETS 95 PER CENT KILL.
S Ross
Cotton 5(5):17,27
May 1969 72.8 C8225
Anthonomus grandis, Chemical control (insects), Cotton, Defoliant, Diapause, Insecticides, Organophosphorus compounds.
- 6244-69
THE BANANA BEETLE CAN BE CHECKED.
A K Sarma P N Saikia
Indian Farming 17(2):18-19
May 1967 22 IN283
Bananas, Benzene hexachloride, Chemical control (insects), Chlorinated hydrocarbons, Dieldrin, Insect control, Insecticides, Nodostoma subcostatum, Parathion.
Dieldrin was more efficient and less expensive for the control of the banana beetle than HCH and parathion at comparable application rates.
- 6245-69
PESTS OF LEGUME SEED CROPS IN NORTH QUEENSLAND.
G W Saunders
Queensland Agr J 94(12):725-730
Dec 1968 23 Q33
Agromyza phascoli, Aphididae, Caterpillars, Chemical control (insects), DDT, Hyacinth dolichos, Insect pests, Insecticides, Legumes, Mites, Nematodes, Pseudococcidae, Seeds.
- 6246-69
BIONOMICS OF DROSICHA MANGIFERAE (GREEN) ON CITRUS INCLUDING NEW RECORD OF ITS THREE NATURAL ENEMIES.
D K Saxena R R Rawat
Madras Agr J 55(7):309-313
Jul 1968 22 M262
Aspergillus parasiticus, Biological control (insect s), Bochartia, Citrus, Coccinellidae, Drosicha mangiferae, Insect biology, Insect pests, Insect taxonomy, Margarodidae, Mites, Parasitic insects, Rodolia fumida.
- 6247-69
1969, STRAWBERRY INSECT AND DISEASE CONTROL.
R A Scheibner A S Williams
Ky Univ Ext Misc (71-H):2P
1969 275.29 K415M
Chemical control (insects), Chemical control (plant diseases), Fungus diseases (plants), Insect pests, Insecticides, Pesticide application, Strawberries. Many insect pests, pesticides, and diseases of strawberries are listed.
- 6248-69
NEW INSECTICIDES AGAINST PESTS OF RAPE AND BEETS. (GE)
O Schreier
Pflanzenarzt 20(6):65
01 Jun 1967 464.9 P482
Aphis fabae, Beets, Ccutorhynchus assimilis, Chemical control (insects), Dasineura brassicae, Endosulfan, Insect pests, Insecticides, Pegomya betae, Psylliodes chrysocephala, Rape, Spraying.
- 6249-69
VIRUS DISEASES AS LIMITING FACTORS OF SOME LEPIDOPTEROUS DEFOLIATORS ON POPLAR TREES IN VOJVODINA.
C Sidor
168-173 REF
1967 SB932.15
Defoliation, Granuloses, Insect diseases, Lepidoptera, Polyhedroses, Populus.
- 6250-69
PRELIMINARY OBSERVATIONS ON HETERONYCHUS ROBUSTUS ARROWA BEE-

TLE PEST OF SUGARCANE IN UTTAR PRADESH.

H Singh S M A Rizfi
Indian Sugar 18(3):251-252
Jun 1968 65.8 IN26

Cultural control (insects), Insect control, Insect pests, Plant protection, Scarabaeidae, Sugarcane.

6251-69**EFFECT OF CLIMATIC FACTORS ON THE SUSCEPTIBILITY OF INSECTS TO INSECTICIDES.**

Harcharan Singh
Plant Protect Bull 18(2):18-26 REF
1966 421 P69

Anthonomus grandis, Climate, Dew, DDT, Humidity, Insecticide resistant insects, Insecticides, Light, Plant protection, Rainfall, Temperature, Wind.

6252-69**THE PROBLEM OF LEAF HOPPERS ON PAD-DY.**

S R Singh
Indian Farming 17(3):24
Jun 1967 22 IN283

Chemical control (insects), Cicadellidae, Insect pests, Organophosphorus compounds, Phosphamidon, Plant breeding, Plant pest resistance, Rice.

6253-69**FEEDING OF AULACOPHORA FOVEICOLLIS ON CUCURBITACIN.**

A K Sinha S S Krishna
J Econ Entomol 62(2):512-513
15 Apr 1969 421 J822

Attractants, Chrysomelidae, Cucurbitacin E, Feeding, Insect nutrition, Pumpkins.

6254-69**A VITICULTURAL CRISIS OF MORE THAN A QUARTER OF A CENTURY: IT HAS BEEN A CENTURY SINCE FRANCE DISCOVERED PHYLLOXERA. (FR)**

H Siriez
Phytoma 20(195):13-23
Feb 1968 464.8 P563

Grape vineyards, Insect identification, Insect pests, Insect physiology, Phylloxera vitifoliae, Plant galls, Plant injuries.

6255-69**BRINJAL LEAF ROLLER.**

B P Srivastava
Indian Farming 16(2):17,35
May 1966 22 IN283

Benzene hexachloride, Chemical control (insects), DDT, Tortricidae.

The life cycle and the control of the Brinjal leaf roller of India with DDT and BCH is discussed.

6256-69**CONTROL OF THE CORN EARWORM ON SWEET CORN IN EASTERN NEBRASKA.**

R Staples S D Kindler B H Kantack
J Econ Entomol 61(3):774-776
Jun 1968 421 J822

Bacillus thuringiensis, Biochemistry, Carbaryl, Corn, DDT, *Heliothis zea*. Chemicals used were: zectran, matacil, bayer 37344, isolan, dimetilan, UC-8305, dioxathion.

6257-69**FRUIT SPRAY PROGRAM FOR THE HOME ORCHARDIST.**

A Stark M S Burningham G F Knowlton R S Roberts
Utah State Univ Ext Leaf (137):7P
1969 275.29 UTIL

Chemical control (pests), Chlorinated hydrocarbons, Fruit, Organophosphorus compounds, Pesticide application, Pesticides, Plant protection.

Many pests of fruit and their control measures are described. The fruits discussed are apples, peaches, cherries, apricots, strawberries, raspberries, pears,

and plums. The pesticides listed are karathane, malathion, diazinon, kelthane, chlordane and DDT.

6258-69**CONTRIBUTION TO THE KNOWLEDGE OF MICROLEPIDOPTERA ON OAKS IN ISRAEL.**

M Sternlicht
Israel J Zool 17(4):161-174 REF
1968 410 IS7

Insect biology, Lepidoptera, Quercus, Surveys.

6259-69**STUDIES ON THE ANTIFEEDANT AGAINST THE CATERPILLARS OF PERICALLIA RICINI F. (ARCTIIDAE) AND SPODOPTERA LITTORALIS BOESD. (NOCTUIDAE: LEPIDOPTERA) ON CASTOR (RICINUS COMMUNIS L.).**

V T Sundaramurthi A A Kareem
Madras Agr J 55(7):296-300
Jul 1968 22 M262

Arctiidae, Castorbeans, Chemical control (insects), Insect pests, Insecticides, Leaves, Noctuidae, Pericallia ricini, Plant injuries, Triphenyltin hydroxide.

6260-69**ANNUAL PEST CONTROL PROGRAMS FOR CENTRAL CALIFORNIA.**

Sunkist Pest Contr Circ (375):1-2
Feb 1969 423.9 C12E

Chemical control (insects), Citrus, Coccidae, Diaspididae, Insect pests, Insecticide application, Insecticides, Mites, Noctuidae, Tettigoniidae, Thripidae, Tortricidae.

Insecticides were recommended for the following insect pests: citrus thrips, citrus red mite. Pacific and two-spotted mites, citrus flat mite, red scale, yellow scale, citricola scale, leaf rollers, citrus cutworms and katydids.

6261-69**EARLY SPRING TREATMENT IN DESERT AREAS OF CALIFORNIA AND ARIZONA.**

Sunkist Pest Contr Circ (375):2
Feb 1969 423.9 C12E

Chemical control (insects), Citrus, Insect pests, Insecticide application.

6262-69**CITRUS PEST CONTROL PROGRAMS FOR CALIFORNIA AND ARIZONA DESERT AREAS.**

Sunkist Pest Contr Circ (376):1-2
Mar 1969 423.9 C12E

Chemical control (insects), Chlorinated hydrocarbons, Citrus, Mites, Plant protection, Scirtothrips citri.

The chemicals Sabadilla, Phosphamidon, Delnav, DDT, DDT-TOXAPHENE, and Dimethoate are listed for control of citrus thrips.

6263-69**CONCERNING THE PROBLEM OF CONTROLLING THE OCCURENCE, AS WELL AS ESTIMATING THE DEGREE OF INFESTATION OF TREE STANDS BY IPS TYPOGRAPHUS L. (CZ)**

P Svihra
Les 24(3):104-107
1968 99.8 L5632

Chemical control (insects), Forest insects, Infestation, Ips typographus, Methodology, Picea. German summary.

6264-69**EFFECTS OF SPITTLEBUG INJURY ON ROOT PRODUCTION AND SOD RESERVES OF COASTAL BERMUDAGRASS.**

C M Taliaferro R A Byers G W Burton
Agron J 59(6,NOV-DEC):530-532
Dec 1967 4 AM34P

Cynodon dactylon, Plant injuries, Plant physiology, *Prosopis bicincta*, Roots.

6265-69**SYSTEMIC ACTIVITY OF UC-21149 AGAINST THE CITRUS RED MITE, CITRUS THRIPS,****CALIFORNIA RED SCALE, AND SPIREA APHIDS ON NONBEARING ORANGE TREES.**

H Tashiro D L Chambers J G Shaw J B Beavers J C Maitlen
J Econ Entomol 62(2):443-447 REF
15 Apr 1969 421 J822

Aonidiella aurantii, *Aphis spiraeicola*, Biological assay, Chemical control (insects), Dosage, Insect pests, Insect populations, Insecticide residues, Methyl-2-(methylthio)propionaldehyde O-(methylcarbonyl) O, *Panonychus citri*, Plant physiology, Scirtothrips citri.

6266-69**CONTROL PEANUT INSECTS AND DISEASES.**

S S Thompson J C French
Ga Univ Coll Agr Ext Serv Circ (543):3P
Mar 1969 275.29 G29C

Chemical control (insects), Chemical control (plant diseases), Insect pests, Legumes, Peanuts, Pesticides, Plant diseases, Seed treatment.

6267-69**HOW TO CONTROL JUTE PESTS ECONOMICALLY.**

R L Tripathi
Indian Farming 18(7):23-24,56
Oct 1968 22 IN283

Chemical control (insects), Crop losses, Curculionidae, Endosulfan, Endrin, Insect control, Insecticides, Jute, Plant injuries.

The nature of the damage to jute plants caused by semiloopers, stem-weevils, yellow mites, and Bihar hairy caterpillars is described and recommended control measures using endrin and endosulfan are given.

6268-69**THE RED CURRANT GALL MITE CAN BE CONTROLLED BY SPRAYING. (GE)**

W Vagt
Obstbauversuchsring Alten Landes Mitt 23(4):120
Apr 1968 85 J76

Cecidophypopsis ribis, Chemical control (insects), Currants, Eriophyidae, Spraying, Tetrastul.

6269-69**COTTON INSECT PEST CONTROL.**

J Ward
Rhodesian Tobacco J 20(10):35,37
Oct 1968 69.8 R34

Chemical control (insects), Cotton, Crop yields, Insect pests, Insecticide application, Insecticides, Spraying.

6270-69**DDT-C14 TRANSLOCATION IN ALFALFA.**

G W Ware
J Econ Entomol 61(5):1451-1452
15 Oct 1968 421 J822

Alfalfa, Biochemistry, Carbon isotopes, DDT, Injections, Insecticides, Plant translocation, Roots, Seedlings, Soil series, Wheat.

6271-69**ALL WE KNOW ABOUT PINK BOLLWORMS.**

J G Watts
Agrichem West 12(4):6-7,10
Apr 1969 381 AG85

Antibiosis, Azinphosmethyl, Biological control (insects), Carbaryl, Chemical control (insects), Cotton, Crop varieties, Cultural control (insects), Defoliants, Economics, Farm management, Hydroxy-N-methyl-cis-crotonamide dimethyl phosphate, 3-, Insect pests, Irradiation, Irrigation, *Pectinophora gossypiella*, Plant breeding, Plant pest resistance, Seed germination, Sterility.

6272-69**THE AMOUNT OF FOLIAGE CONSUMED OR DESTROYED BY LABORATORY-REARED LARVAE OF THE BLACK-HEADED BUDWORM, ACLERIS VARIANA.**

R A Werner
Can Entomol 101(3):286-290
Mar 1969 421 C16

Acleris variana, Defoliation, Forest insects, Host indexing (plants), Insect pests, Plant injuries.

6273-69

BARK BEETLES.

E Wertheim

Calif Horticul Soc J 28(1):130-132

Jan 1967 81 C1293

Chemical control (insects), Chlorinated hydrocarbons, DDT, Fungus diseases (plants), Insect pests, Lindane, Plant protection, Scolytidae, Trees.

6274-69

HOST RANGE STUDIES OF OAT BLUE DWARF VIRUS.

P H Westdal

Can J Bot 46(11):1431-1435

Nov 1968 470 C16C

Blue dwarf, Crops, Host range, Leaves, Oats, Research, Virus diseases (plants).

6275-69

SPRUCE BUDWORM DAMAGE SYMPTOMS RELATED TO RADIAL GROWTH OF GRAND FIR, DOUGLAS-FIR, AND ENGELMANN SPRUCE.

C B Williams

Forest Sci 13(3):274-285 REF

Sep 1967 99.8 F7632

Abies grandis, *Choristoneura fumiferana*, *Picea engelmannii*, Plant injuries, *Pseudotsuga menziesii*.

6276-69

INSECTS ON TRIAL IN FIGHT AGAINST LANTANA.

B W Willson

Queensland Agr J 94(12):748-751

Dec 1968 23 Q33

Biological control (insects), Economic plants, Insect pests, Lantana, Ornamental plants, Plant injuries.

6277-69

GROW ALFALFA IN SPITE OF THE WEEVIL.

C Wilson

Crops Soils 21(6):7-9

Mar 1969 6 W55

Alfalfa, *Bathyplectes curculionis*, Biological control (insects), Chemical control (insects), *Hypera postica*, Insecticidal aerosols, Integrated control (insects).

6278-69

CONTROL COTTON INSECTS.

H Womack C R Jordan J C French

Ga Univ Coll Agr Ext Serv Circ (501):16P

Mar 1969 275.29 G29C

Accident prevention, *Anthonomus grandis*, Aphididae, Cotton, *Heliothis zea*, Insect pests, Insecticide application, Insecticide resistant insects, Insecticides, Mites, Systemic insecticides, Thysanoptera. Many insecticides are listed.

6279-69

DIFFERENCES AMONG SCOTCH PINE VARIETIES IN SUSCEPTIBILITY TO EUROPEAN PINE SAWFLY.

J W Wright L F Wilson W K Randall

Forest Sci 13(2):175-181 REF

Jun 1967 99.8 F7632

Insect resistant plants, *Neodiprion sertifer*, *Pinus sylvestris*, Plant breeding.

6280-69

PHENOLOGY OF THE POTATO TUBER MOTH, GNORIMOSHEMA OPERCULELLA ZELL., IN ISRAEL IN THE SPRING.

S Yathom

Israel J Agr Res 18(2):89-90

Apr 1968 107 J552

Bionomics, *Gnorimoschema operculella*, Insect pests, Plant injuries, Potatoes.

6281-69

REVIEW OF WORK ON MAJOR INSECT PESTS OF RICE IN MALAYSIA. PART I. MALAYAN REGION.

A Yunus

Malaysian Agr J 45(1):28-56 REF

Jan 1965 22.5 F312

Heteroptera, Homoptera, Insect pests, Lepidoptera, Reviews, Rice.

6282-69

GENERALITIES ON THE WHITE POTATO GRUB (HUSTACHE). (SP)

I Zenner L Posada O

Agr Trop 24(1):33-40

Jan 1968 26 AG8

Food habits, Insect biology, Potatoes, *Premnotrypes vorax*.

The life cycle, food habits and economic importance of the white potato grub (*Premnotrypes vorax*) is discussed.

NEMATODES

6283-69

THE GOLDEN NEMATODE OF POTATOES AND TOMATOES.

USDA PA- (816):4P

Feb 1969 1 AG84PRO

Chemical control (nematodes), Crop varieties, *Heterodera rostochiensis*, Plant disease resistance, Plant injuries, Plant nematodes, Plant pest control, Potatoes, Quarantine, Soil fumigation, Surveys, Tomatoes.

6284-69

REGULATION IN CONNECTION WITH FIELD AND GREENHOUSE CULTURE OF NURSERY PLANTS. (DU)

Anonymous

Neth Plantenziektenkundige Dienst Ber 1718,3P

17 Jul 1968 464.9 N38

Agricultural regulation, Greenhouse culture, *Heterodera rostochiensis*, Nursery stock (horticulture), Pest control, Plant nematodes, Potatoes. In relation to potato nematode control.

6285-69

CELLULYTIC AND PECTOLYTIC ENZYMES IN THE NEMATODE, APHELENCHUS AVENAE.

K R Barker

Helminthol Soc Wash Proc 33(2):134-138 REF

Jul 1966 436.9 H36

Aphelenchus avenae, Biochemistry, Cellulolytic enzymes, Pectolytic enzymes, Plant nematodes.

6286-69

LOSSES CAUSED BY POTATO CYST EELWORM IN THE ISLE OF ELY.

E B Brown L J Coppock

Great Brit NAAS (nat Agr Adv Serv) Quart Rev

(80,SUMMER):146-149

1968 241 G796

Crop losses, *Heterodera rostochiensis*, Plant nematodes, Potatoes.

6287-69

USE OF NICKEL MORPHOLINE DITHIOCARBAMATE AS A NEMATOCIDE. PATENT 3,450,817.

J J Drancy J C Drancy

Us Patent Office Offic Gaz 863(3):902

17 Jun 1969 156.65 OF2

Chemical control (nematodes), Dithiocarbamates, Nematocides, Nematode infestation, Nickel compounds, Patents.

6288-69

SIGNIFICANCE OF MALES IN REPRODUCTION OF THE SOYBEAN CYST NEMATODE (HETERODERA GLYCINES).

J M Epps A M Golden

Helminthol Soc Wash Proc 33(1):34

Jan 1966 436.9 H36

Heterodera glycines, Plant nematodes, Reproduction.

6289-69

MORPHOLOGICAL VARIANT OF TETYLENCHUS JOCTUS THORNE (NEMATATA: TYLENCHIDA) ASSOCIATED WITH CULTIVATED BLUEBERRIES IN INDIANA.

V R Ferris J M Ferris

Helminthol Soc Wash Proc 34(1):30-32

Jan 1967 436.9 H36

Blueberries, Morphology, Nematodes, Plant nematodes, Polymorphism, *Tetylenchus joctus*.

6290-69

BURROWING NEMATODES MAY SURVIVE ON VARIANTS OF MILAM LEMON.

H W Ford P C Hutchins

Hortsci 2(2,SUMMER):56

1967 SBI.H6

Citrus, Lemons, Nematodes, Oranges, Plant nematode resistance, Plant nematodes, *Radopholus similis*.

6291-69

CONTROL OF EELWORM DISEASES OF BANANAS IN WESTERN AUSTRALIA.

O M Goss M G Hawson

West Aust J Agr (SER 4)10(1):27

Jan 1969 23 W52J

Bananas, Chemical control (nematodes), Crop yields, Dibromo-3-chloropropane, 1,3-, Gall-making insects, Irrigation, *Meloidogyne javanica*, Plant nematodes, Soil fumigation.

6292-69

CUTICLE ULTRASTRUCTURE OF THE MELOIDOGYNE HAPLA LARVA.

I K A Ibrahim J P Hollis

Helminthol Soc Wash Proc 34(2):137-139

Jul 1967 436.9 H36

Cuticle, Larvae, *Meloidogyne hapla*, Morphology, Nematodes, Plant nematodes, Ultrastructure.

6293-69

CAN WE CONQUER THE 'MIGHTY' MITES.

L R Jeppson

Farm Chem 130(9):38-40, 118

Sep 1967 57.8 AM3

Acaricides, Agricultural outlook, Chemical control (insects), DDT, Mites, Predaceous insects, Research.

6294-69

A NEMATOLOGICAL STUDY OF SOME CULTIVATIONS ON THE SOUTH COAST OF SPAIN. (SP)

F Jimenez-Millan A G Barcina M A Delgado

Soc Espan Hist Natur Bol Secc Biol 65(1-2):83-

106 MAP REF

30 Sep 1967 442.9 SO18

Fruit, Plant nematodes, Vegetables. English summary.

53 genera of free nematodes and 32 phytoparasitic nematodes were found. From these, they found new references in each cultivation independently a total of 41 genera, and new references for Spain a total of 81 genera.

6295-69

SURVIVAL OF ASCARID EGGS IN SOIL UNDER CONDITIONS OF MOSCOW REGION. (RUS)

I S Kizevalter V V Derevitskaya

Med Parazitolog Parazitarn Bolezni

37(5,SEP/OCT):527-529

1968 448.8 M469

Ascaridia, Soil microorganisms, Temperature, Viability. English summary.

6296-69

SOIL NEMATODE FAUNA OCCURRING IN THE JADWISIN FIELDS NEAR WARSAW AND THE EFFECT OF ENVIRONMENTAL CONDITIONS ON THEM.

J Kozłowska

Ekol Pol Ser A (SER A)15(21):443-485 REF

1967 512 W263

Animal ecology, Animal taxonomy, Barley, Nematodes, Soil microorganisms, Sugar beets. Polish summary.

6297-69

NEMATODES AND ROSES.

D H MacDonald K P Patel L H Fuchigami

Minn Sci 25(1,FALL):18-19

1968 100 M668

Helicotylenchus pseudorobustus, Plant nematodes, Plant protection, Rosa.

6298-69

COTTON AND PLANT PARASITIC NEMATODES.

J C Martin

Rhodesian Farmer 39(12):18-19

02 Aug 1968 24 R347

Chemical control (nematodes), Chlorinated hydrocarbons, Cotton, Dibromo-3-chloropropane, 1,2-, Ethylene dibromide, Fumigants, Fumigation, Meloidogyne incognita, Meloidogyne javanica, Nematocides, Nematode infestation, Parasitism, Plant nematodes.

6299-69

INJURY TO HETERODERA TABACUM BY HIGH SOIL TEMPERATURES.

P M Miller

Plant Dis Rep 53(3):191-193

Mar 1969 1.9 P69P

Heterodera tabacum, Larvae, Parasitism, Pest control, Plant nematodes, *Pratylenchus penetrans*, Soils, Temperature.

6300-69

RACES OF PRATYLENCHUS PENETRANS, AND THEIR EFFECT ON BLACK ROOT ROT RESISTANCE OF TOBACCO.

Th H A Olthof

Nematologica 14(4):482-488 REF

1968 436.8 N342

Black root rot (tobacco), Nematodes, Plant disease resistance, *Pratylenchus*, Tobacco.

6301-69

'MIRACLE' TREE IS IN TROUBLE.

F S Padre

Philippine Lumberman 14(6):14

Jun 1968 99.81 L9793

Anthocephalus cadamba, Forest conservation, Forest nurseries, Growth factors, Meloidogyne, Nematode infestation, Pest control, Plant nematodes, Plant physiology, Symptomatology.

6302-69

THE CONDITIONS FOR OCCURRENCE OF POTATO ROOT EELWORM (HETERODERA ROSTOCHIENSIS WOLL.) IN POLAND.

H Sander

Ekol Pol Ser A 15(29):7P MAP

1967 512 W263

Climate, Cysts, Ecology, *Heterodera rostochiensis*, Plant nematodes, Potatoes, Soil analysis, Temperature, Zoogeography. Polish summary.

6303-69

A NEMATODE SURVEY OF TOBACCO SOILS IN RHODESIA AND ZAMBIA, AND THE EFFECTS OF GRASS-TOBACCO ROTATIONS ON NEMATODE POPULATIONS.

J A Shepherd

Rhodesia, Zambia, Malawi J Agr Res 6(1):19-26

REF

1968 24 R3472

Crop rotation, Cultural control (plant diseases), Grasses, Meloidogyne, Nematode infestation, Parasitism, Plant nematodes, *Pratylenchus*, *Rotylenchulus*, *Scutellonema*, Tobacco.

6304-69

CATENARIA VERMICOLA ON NEMATODES IN INDIA.

K Singh

Cur Sci 36(17):468-469

05 Sep 1967 475 SC123

Catenaria, Fungi, Nematode controlling fungi, Nematodes.

Soil nematodes in India were found to be parasitized by *Catenaria vermicola*. The life cycle of the fungus on its host is described.

6305-69

TROPICAL NEMATOLOGY.

G C Smart V G Perry

University of Florida Press, Gainesville 153P, REF

1968 QL391.N 4T7

African oilpalm, Bananas, Cacao, Cassava, Chemical control (nematodes), Citrus, Coconuts, Coffee, Cotton, Decline, Fiber plants, Human diseases, Nematocides, Nematodiasis, Pineapples, Plant nematodes, *Radopholus similis*, Red ring, *Rhadinaphelenchus cocophilus*, Rice, Soil management, Sugarcane, Symposia, Tobacco, Vegetables, Yams.

Contents: *Radopholus similis* and other nematode species on banana, by E. J. Wehunt and D. I. Edwards; Burrowing nematode decline of citrus, a review, by E. P. DuCharme; Red-ring disease of the coconut palm, by D. W. Fenwick; Nematode problems of pineapple in Puerto Rico, by A. Ayala; Nematode problems of sugarcane in Puerto Rico, by J. Roman; Nematode problems of rice, by A. L. Taylor; Nematode problems of coffee, by E. Schieber; Nematological problems in the former French African tropical territories and Madagascar, by M. Luc; Relation of plant parasitic nematodes to soil management practices, by J. M. Good; Nematode problems of humans in the Tropics, by D. L. Price.

6306-69

ORANGEWORMS IN INTERIOR DISTRICTS OF SOUTHERN CALIFORNIA.

Sunkist Pest Contr Circ (376):2

Mar 1969 423.9 C12E

Archips argyrospilus, *Argyrotaenia citrana*, Chemical control (insects), Chlorinated hydrocarbons, Citrus, Insect pests, Organophosphorus compounds.

The chemicals Parathion, TDE(DDD), Phosdrin, Dibrom, Sevin, DDT, and Guthion are listed for control of orangeworms.

6307-69

CHEMICAL SOIL TREATMENT FOR NEMATODE CONTROL IN TOBACCO.

F A Todd

N C Univ Ext Leaflet (236):13P

Mar 1969 275.29 N811L

Chemical control (nematodes), Dairy equipment, Methodology, Nematocides, Plant disease control, *Pratylenchus*, Root-knot nematode, Soil fumigation, Tobacco.

6308-69

DEVELOPMENTAL TENDENCIES IN PHYTONEMATOLOGY. (GE)

B Weischer

Berlin Biol Bundesanst Land-forstwirtschaftl Mitt

(121):12-20 REF

Feb 1967 410.9 G31M

Crop rotation, Crop varieties, Nematode vectors, Plant nematodes, Virus diseases (plants). English abstract.

6309-69

GNOTOBIOTIC CULTURE AND ITS SIGNIFICANCE TO PLANT NEMATOLOGY.

B M Zuckerman

Helminthol Abs 38(1):1-15 REF

Mar 1969 436.8 J82A

Bibliography, Germ-free life, Plant nematodes, Reviews, Tissue culture.

Chemical control (weeds), Herbicides, Lawns, Spraying. Many herbicides were mentioned.

6311-69

ARE HERBICIDES DOING THEIR JOB .

Anonymous

Amer Veg Grower 17(1):22,38-40

Jan 1969 80 C733

Chemical control (weeds), Herbicides, Potatoes, Surveys, Weed control, Weeds. The following herbicides were evaluated: captan, dinitros, premerge or sinox PE, Iorox, downon, dacthal and avadcx.

6312-69

PROCLAIMED NOXIOUS WEEDS IN VICTORIA.

Anonymous

Fruit World Market Grower 69(11):46

11 Nov 1968 80 F948

Chemical control (weeds), Cultural control (weeds), Poisonous plants, *Proboscidea jussicii*, Spraying, Weeds.

6313-69

PROCLAIMED NOXIOUS WEEDS.

Anonymous

J Agr 66(9):331-334

Sep 1968 23 V66J

Chemical control (weeds), Cultural control (weeds), D, 2,4-, Marrubium, Plant protection, *Proboscidea jussicii*, Safflower, Weeds, *Xanthium orientale*.

6314-69

WEED CONTROL TECHNIQUES AID TRIALS WITH HEDGE ROW PLANTING OF BLACKCURRANTS.

Anonymous

Commercial Grower (3826):699

02 May 1969 80 F941

Brassica, Chemical control (weeds), Currants, Herbicides, Planting, Strawberries.

6315-69

WEEDS THAT MAKE A COMEBACK.

Anonymous

Farm Quart 24(1,SPRING):104,105,112

1969 6 F22995

Atrazine, Chemical control (weeds), Corn, D, 2,4-, Herbicides, Spraying.

6316-69

TESTS PROVE DIPHENAMID EFFECTIVE AS HERBICIDE.

Anonymous

Tobacco (New York) 167(25):18

20 Dec 1968 286.89 T552

Chemical control (weeds), Diphenamid, Herbicides, Tobacco.

6317-69

HERBICIDE SELECTIVITY.

Anonymous

Agrichem West 11(11):5

Nov 1968 381 AG85

Absorption (biological), Chemical control (weeds), Herbicides, Phenoxy acid compounds, Plant metabolism, Plant physiology, Plant translocation. The herbicides discussed are 2,4-D, herbicidal oils, diuron, 2,4,5-T, simazine, and 2,4-DB.

6318-69

WEED CONTROL AND THE ECONOMICS OF DIRECT RESEEDING.

Anonymous

Beef Sheep Farming 6(2):19,21

Feb 1969 43.8 B392

Agricultural economics, Chemical control (weeds), Chlorinated hydrocarbons, Dalapon, Equipment, Herbicides, Seed planting, Weed control.

6319-69

PROGRESS IN WITCH WEED CONTROL SEEN AS PEST FAILS TO SPREAD.

Anonymous

Croplife 49-51

Feb 1969 381 C882

WEEDS

6310-69

LAWN WEED CONTROL WITH HERBICIDES.

U S D A Home Gard Bull (123):24P

Dec 1968 1 AG84HG

Agricultural research, Chemical control (weeds), D, 2,4a, Herbicides, Parasitism, Plant physiology, Regulation (pesticides), Seed germination, Seedlings, Striga asiatica, Weed control.

- 6320-69**
WEED AND BRUSH CONTROL FOR DRAINAGE DITCHES.
Anonymous
Public Works 100(2):122-123
Feb 1969 290.8 M922
Ammonium sulfamate, Brush control, Chemical control (weeds), D, 2,4-, Drainage ditches, Spraying, T, 2,4,5-, Weed control.
- 6321-69**
WEED CONTROL IN FIELD BRASSICA CROPS.
Anonymous
Weeds Tech Bull (257):4P
1968 79.9 W323
Brassica, Chemical control (weeds), Crop rotation, Crop yields, Dosage, Herbicide application, Herbicides, Plant physiology, Spraying equipment, Weather.
- 6322-69**
WETTING AGENTS, OILS: ARE THEY A PLUS FOR ATRAZINE .
J Bandeen
Crops Soils 21(7,APR-MAY):14-15
1969 6 W55
Atrazine, Chemical control (weeds), Herbicide application, Herbicides, Mineral oil.
- 6323-69**
PHOSPHORIC TRIAMIDE DERIVATIVES AS HERBICIDES. PATENT 3,433,623.
H O Bayer V H Unger
Us Patent Office Offic Gaz 860(3):865
18 Mar 1969 156.65 OF2
Chemical control (weeds), Herbicides, Phosphoric triamide derivatives.
- 6324-69**
USE OF HERBICIDES IN COFFEE NURSERIES WITH FULL EXPOSURE TO SUN. (SP)
O Bellavita G A Morales
Agron Trop 17(2,APR-JUN):95-99
1967 26 AG87
Chemical control (weeds), Coffee, Dinocap, Gramoxone, Herbicides, Nurseries, Sodium N-methylthiocarbamate, Thioearbamates. English summary.
- 6325-69**
WEEDS AND MAN.
R F Betz
Morton Arboretum Quart 4(2,SUMMER):26-32
1968 451 M84
Habitats, History, Nomenclature, Plant ecology, Plant geography, Weeds.
- 6326-69**
RESULTS OF HERBICIDE TESTS CARRIED OUT IN 1966 BY THE VEGETABLE PROTECTION SERVICE. (FR)
H Bouron
Phytoma 19(190,JUL-AUG):15-19
1967 464.8 P563
Chemical control (weeds), Climbing plants, Fruit culture, Grain, Grapes, Herbicides, Ornamental plants, Trees, Vegetables.
- 6327-69**
PROBLEMS OF HERBICIDE TREATMENTS IN THE POTATO CROP. (GE)
R Burghausen
Europe Potato J 11(1):3-13
Mar 1968 75.8 EU7
Chemical control (weeds), Crop yields, Herbicides, Potatoes, Soil structure, Tillage, Weeds. English and French summaries.
- 6328-69**
COMPETITION BETWEEN BURROWEED AND ANNUAL AND PERENNIAL GRASSES FOR SOIL MOISTURE.
D R Cable
Amer Forage Grassland Council 1966
MEETING:11-27
01 Feb 1966 60.19 J66
Annual plants, Forage plants, Grasses, Growth factors, Perennial plants, Plant physiology, Plant water relations, Prosopis juliflora, Rainfall, Soil moisture.
- 6329-69**
MICROSPOROGENESIS OF THE BIRD'S-FOOT TREFOIL (LOTUS C ORNICULATUS L.). (RUS)
M M Chubirko
Moskov Obshch Ispytalei Prirody Byul Otd Biol 72(6):93-100 REF
1967 511 M85
Birdsfoot trefoil, Plant physiology, Pollen, Spores, Weeds. English summary.
- 6330-69**
1968 CRANBERRY WEED CONTROL CHART. IP
1968 275.29 M381
Accident prevention, Chemical control (weeds), Cranberries, Herbicides.
- 6331-69**
THE ROLE OF LIGHT, CONCENTRATION, AND SPECIES IN FOLIAR UPTAKE OF HERBICIDES IN WO ODY PLANTS.
F S Davis R W Bovey M G Merkle
Forest Sci 14(2):164-169 REF
Jun 1968 99.8 F7632
Absorpti on (biological), Climbing plants, Herbicides, Leaves, Light, Picloram.
- 6332-69**
PROPERTIES AND EFFECTS OF WL-9385-D ON RICE AND SOME WEED SPECIES.
D A Del Rosario M R Veiba
Philippine Agr 51(5):412-437 REF
Oct 1967 25 P542
Chemical control (weeds), Photochemistry, Plant metabolism, Rice, Soil properties.
- 6333-69**
WEED CONTROL IN CORN.
L A Derscheid R Parker
S Dak State Univ Ext Ext Mimeogr Circ (442):5P
Apr 1969 275.29 SO85FS
Atrazine, Chemical control (weeds), Chloro-N-isopropylacetanilide, 2-, Corn, Cultural control (weeds), Herbicide application, Herbicides, Linuron, Spraying, Tillage equipment.
- 6334-69**
HALO-SUBSTITUTED PHENOXYETHYL CARBAMATES AND DERIVATIVES THEREOF. PATENT 3,439,021.
L W Fancher
Us Patent Office Offic Gaz 861(3):923
15 Apr 1969 156.65 OF2
Carbamates, Emergence, Halogens, Herbicides, Patents, Phenoxides.
- 6335-69**
CONTROL OF THE GUANXUMAS ROXA E BRANCA IN PASTURE WITH HORMONE-LIKE HERBICIDES. (POR)
P Figueiredo L Leicderman
Biologico 33(2):27-30
Feb 1967 442.8 B529
Chemical control (weeds), Digitalia, Herbicides, Picloram, Silvex. English abstract.
- 6336-69**
RESULTS FROM EXPERIMENTS WITH HERBICIDES FOR WEED CONTROL IN PEA GRAIN CROPS GROWN IN DOBROUDJA. (RUS)
D Fudulov P Pctkova
Rastenievud Nauk 5(9):69-77 REF
1968 64.8 R18
Chemical control (weeds), D, 2,4-, Grain, Herbicides, Prometryne, Simazine, Weeds. Russian and english abstracts
- 6337-69**
THE EFFECT OF THREE FUMIGANTS ON NATURAL WEED INFESTATION IN A TOBACCO SEED BED.
S K Gayed
Lighter 38(3,SUMMER):15-20
1968 286.89 C16
Chemical control (weeds), Fumigants, Plant physiology, Seedlings, Tobacco, Weeds.
Abstract: Fumigants used were carbon bisulphide, vorlex, vorlex 201, telone-PBC.
- 6338-69**
REPEATED SPRAYING TO CONTROL SOUTHWEST OREGON BRUSH SPECIES.
H Gratkowski
US Forest Serv Res Pap PNW 59:6P
1968 A99.9 F7625UNI
Amitrole, Brush control, Chemical control (weeds), D, 2,4-, Dichlorprop, Spraying, T, 2,4,5-.
- 6339-69**
APPLICATION OF HERBICIDES IN PULSE CROPS. (POL)
J Grzybczak Z Rynkal
Ochrona Roslin 11(4):12-16
1967 464.8 OC32
Atrazine, Chemical control (weeds), Dinoseb, Field crops, Herbicides, Legumes, Nitrated phenols, Pesticide application, Simazine.
- 6340-69**
PREPLANTING APPLICATIONS OF PROMETRYNE IN COTTON.
K C Hamilton H F Arle R D Spilsbury
Arizona Agricultural Experiment Station, Tucson. SER.P-15:72-76
Feb 1969 S544.3.A6A7
Chemical control (weeds), Chlorinated hydrocarbons, Cotton, Crop yields, Diuron, Irrigation, Prometryne, Seedlings, Trifluralin.
- 6341-69**
HERBICIDES FOR WEED CONTROL IN SWEET POTATOES.
T P Hernandez R J Constantin J R Barry B W Wascom
La Agr 12(3,SPRING):10-11
1969 100 L939
Amiben, Chemical control (weeds), Crop yields, Dimethyl 2,3,5,6-tetrachloroterephthalate, Diphenamid, Ethyl N,N-dipropylthiocarbamate, Herbicides, Sweetpotatoes.
- 6342-69**
TEN KEYS TO HERBICIDE EFFECTIVENESS.
R E Higgins
Crops Soils 21(6):10-11
Mar 1969 6 W55
Chemical control (weeds), D, 2,4-, Herbicide application, Herbicides, Methyl-4-chlorophenoxyacetic acid, 2-, Soil moisture, Weather.
- 6343-69**
HERBICIDE VERSUS CULTIVATION FOR CORN WITH TWO METHODS OF SEEDBED PREPARATION.
T D Hinesly E L Knake R D Seif
Agron J 59(6,NOV-DEC):509-512 MAP
Dec 1967 4 AM34P
Atrazine, Corn, Cultural control (weeds), Herbicides, Seedbeds, Tillage, Weed control.
A split-plot experiment consisting of two methods of seedbed preparation for corn with three methods of weed control was conducted on the same areas of seven different soil types during 1962, 1963 and 1964. Conventional tillage (three diskings after plowing) was compared to reduced tillage (one disking after plowing) as a seedbed preparation variable. Weed control methods on subplots consisted of cultivation alone, atrazine alone, and atrazine plus cultivation.
- 6344-69**
WEEDS.
D C Hogner
Thomas Y. Crowell Co., New York, N. Y. 118P

6345-69

1968 SB611.H6

Aquatic weeds, Plant nutrition, Pollination, Seed germination, Weed control, Weeds.

6345-69

WEED CONTROL IN TURF - 1967.

H J Hopen J D Butler
Turfgrass Conf Proc 8:4-7
07 Dec 1967 SB433.14

Annual plants, Broad-leaved weeds, Chemical control (weeds), Herbicides, Perennial plants, Turf. Many herbicides were tested.

6346-69

AFTER COTON IS UP, HERE ARE WAYS TO KEEP IT CLEAN.

D W Houston
Miss Farmer 17(5):12
May 1969 6 M6992

Chemical control (weeds), Cotton, Disodium methanearsonate, Herbicide application, Herbicides, Monosodium acid methanearsonate. Many herbicides with their application procedures are listed.

6347-69

GESATOP - ITS USES IN HORTICULTURAL CROPS.

Weeds Tech Bull (250):3P
1966 79.9 W323

Chemical control (weeds), Herbicide application, Herbicides, Simazine.

6348-69

SPRAYING PASTURES.

Weeds Tech Bull 239:4P
1966 79.9 W323

Aerial spraying, Chemical control (weeds), Grasses, Herbicides, Spraying equipment. Ten herbicides are discussed.

6349-69

CHEMICAL GROWTH INHIBITION IN TURF.

J A Jagschitz
N Y Turfgrass Assoc Bull (78):304
1967 60.19 N42

Chemical control (weeds), D, 2,4-, Dosage, Equipment, Herbicide application, Herbicides, Maleic hydrazide, Nozzles, Phenoxy acid compounds, Plant growth inhibitors, Spraying, Turf. Other herbicides used were Azak, Dacthal, Trifluralin, Tupperan, Bandane, Betasan and Zytron.

6350-69

RECENT ADVANCES IN PERENNIAL GRASS CONTROL IN AVOCADO ORCHARDS.

L S Jordan B E Dav R C Russell
Calif Avocado Soc Yearbook 52:117-119
1968 81 C128

Avocados, Chemical control (weeds), Disodium methanearsonate, Grasses, Herbicides, Monosodium acid methanearsonate, Monuron, Paraquat, Simazine.

6351-69

WEED PROBLEMS NOW AND IN THE PAST. (GE)

W Kabiersch
Prakt Schadlingsbekämpfer 20(10):137
Oct 1968 421 P882

Chemical control (weeds), Crops, Cultural control (weeds), Herbicides, History, Plant regulators, Weeds.

6352-69

CHEMICAL WEED CONTROL IN TROPICAL ROOT CROPS.

L Kasasian
Trop Sci 44(2):143-150
Apr 1967 26 T756

Atrazine, Chemical control (weeds), Diuron, Herbicides, Paraquat, Prometryne, Root crops, TCA, Weed control.

6353-69

TEST WEED KILLERS YOURSELF.

E L Knake
Crops Soils 21(5):9-10
Feb 1969 6 W55

Chemical control (weeds), Herbicides, Weed control.

6354-69

THE ECONOMIC IMPORTANCE OF EARLY WEED CONTROL IN CEREALS. (GE)

R Kunz
Grune 96(9):290-296
01 Mar 1968 17 SCH9

Chemical control (weeds), Crop yields, Fertilizers, Grain, Herbicides, Plant physiology.

6355-69

SELECTIVE CONTROL OF HOARY ALYSSUM IN ALFALFA.

C A Kust
Weed Sci 17(1):99-101
Jan 1969 79.8 W41

Alfalfa, Atrazine, Berteroa incana, Butyl-5-bromo-6-methyluracil, 3-tert-, Carbohydrates, Chemical control (weeds), Crop yields, Herbicide application, Herbicides, Perennial plants, Photosynthesis, Simazine, Terbacil.

6356-69

HERBICIDAL N,N-DIALKENYL-3-CHLOROBENZAMIDES AND METHOD. PATENT 3,436,208.

A J Lemin
Us Patent Office Offic Gaz 861(1):201
01 Apr 1969 156.65 OF2

Chemical control (weeds), Dialkenyl-3-chlorobenzamide, N,N-, Herbicides, Methodology, Plant physiology, Seed germination, Seed treatment.

6357-69

CHEMICAL WEED CONTROL INFORMATION FOR NORTH CAROLINA, 1969.

W M Lewis A B Rogerson A D Worsham T W Waldrop W A Skroch
Nc Univ Ext Leaflet 152:41P
Jan 1969 275.29 N811L

Chemical control (weeds), Herbicide application, Herbicides, Weeds. Many specific weeds and herbicides are discussed.

6358-69

WEED CONTROL IN CALIFORNIA VINEYARDS.

L A Lider O A Leonard
Agrichem West 11(12):10,12,14
Dec 1968 381 AG85

Chemical control (weeds), Cultural control (weeds), Diuron, Grape vineyards, Herbicides, Simazine, Soil sterilization, Tillage. Other less effective chemicals are discussed.

6359-69

PRECISION PLACEMENT OF HERBICIDES FOR WEED CONTROL IN SEEDLING ALFALFA.

D L Linscott R D Hagin
Weed Sci 17(1):46-47
Jan 1969 79.8 W41

Alfalfa, Chemical control (weeds), Ethyl N,N-dipropylthiolcarbamate, G-36393, Herbicides, Seedlings, Simazine, Triazine.

6360-69

ARSENIC AND LOW PHOSPHATE SOILS.

C W Lobenstein
Turfgrass Conf Proc 6:47-51
1965 SB433.14

Arsenic, Chemical control (weeds), Herbicides, Phosphates, Poa annua.

6361-69

NAGAL THAKARAN NO LONGER WORRIES ABOUT WEEDS.

V S Mani S L Choudhry N Singh
Indian Farming 16(12):17-18,21
Mar 1967 22 IN283

Chemical control (weeds), Crop yields, D, 2,4-, Weed control, Wheat.

Control of weeds in wheat crops with 2,4-D in India is discussed.

6362-69

STUBBLE BURNING HELPS CONTROL WIMMERA RYE GRASS.

Mg Mason W J Toms J W Gartrell
West Aust J Agr 9(12):582-583
Dec 1968 23 W52J

Crop rotation, Cultural control (weeds), Lolium subulatum, Nitrogen, Stubble.

6363-69

HERBICIDAL CONTROL OF WESTERN IRON-WEED.

M K McCarty C J Scifres
Weed Sci 17(1):77-79
Jan 1969 79.8 W41

Chemical control (weeds), D, 2,4-, Dicamba, Dosage, Herbicides, Picloram, Plant physiology, Vernonia.

6364-69

EFFECTS OF METHODS OF PLACEMENT ON PERFORMANCE OF TRIFLURALIN, CDEC, AND DCPA APPLIED TO SOIL.

R M Menges J L Hubbard
Rio Grande Val Hort Soc J 22:64-70 REF
1968 81 L95

Amaranthus retroflexus, Chemical control (weeds), Chloroallyl diethyldithiocarbamate, 2-, Dimethyl 2,3,5,6-tetrachloroterephthalate, Echinochloa crusgalli, Herbicides, Irrigation, Pesticide application, Soil sanitation, Trifluralin.

6365-69

CULTURAL AND CHEMICAL WEED CONTROL IN FIELD CROPS, 1969.

G R Miller R Behrens
Minn Univ Agr Ext Serv Ext Folder (212):27P
1969 275.29 M66EX

Chemical control (weeds), Cultural control (weeds), Field crops, Herbicides, Pesticide application, Spraying.

6366-69

WEED CONTROL IN FIELD CROPS, 1969.

J F Miller
Ga Univ Coll Agr Ext Serv Circ (408):7P
Mar 1969 275.29 G29C

Accident prevention, Chemical control (weeds), Field crops, Herbicides, Spraying. Many herbicides were mentioned.

6367-69

EXPERIMENTS ON THE USE OF NEW CHEMICALS IN WEED CONTROL IN MAIZE. (SE)

L Mladenovic
Agrohemija (3/4):145-150
1968 385 AG87

Chemical control (weeds), Corn, Herbicides, Testing, Weeds.

11 new herbicides and combinations of herbicides were tested.

6368-69

MATICARIA AND LAMBSQUARTER CONTROL IN BRASSICAS WITH ANALOGS OF PROPACHLOR.

J Mukula W A Gentner
Weed Sci 17(1):124-125
Jan 1969 79.8 W41

Chemical control (weeds), Chenopodium album, Chloro-N-isopropylacetanilide, 2-, Herbicides, Kale, Matricaria inodora, Nutrient solutions (plants), Rape, Rutabagas, Sugar beets, Turnips.

6369-69

THE USE OF HERBICIDES FOR SITE PREPARATION AND THEIR EFFECTS ON TREE SURVIVAL.

J E Munoz L W Hill
Us Forest Serv Res Note ITF (12):6P
May 1967 A99.9 F7637N

Chemical control (weeds), Dosage, Foliar application, Herbicides, Picloram, Swietenia. Spanish summary.

6370-69

BROADLEAF WEED CONTROL IN RICE.

- R P Nester
Rice J 72(3):8,10,12-14,31-32
Mar 1969 59.8 R36
Chemical control (weeds), Crop yields, D, 2,4-, Dicoatylodons, Herbicides, Nitrogen, Pesticide application, Phenoxy acid compounds, Propanil, Rice, Silvex, Spraying, T, 2,4,5-, Weed control.
- 6371-69**
WEED CONTROL IN NURSERY SOD.
R Newman
Turfgrass Conf Proc 8:13-15
07 Dec 1967 SB433.14
Chemical control (weeds), Cultural control (weeds), D, 2,4-, Dicamba, Fertility, Grasses, Herbicides, Nurseries, Phenoxy acid compounds, Seed germination, Tillage.
- 6372-69**
INFLUENCE OF CERTAIN INSECTICIDES APPLIED FOR THE CONTROL OF OSTRINIA NUBILALIS HBN. ON THE WEEDS OF TREATED SURFACES. (SE)
G Pivar
Zastita Bilja 18(93/95):213-219
1967 464.8 Z1
Aerial spraying, Chemical control (insects), Chemical control (weeds), DDT, Herbicides, Insecticides, Ostrinia nubilalis, Weeds. French summary.
- 6373-69**
THE EFFECT OF SOME HERBICIDES ON THE NITRIFICATION IN SOILS. (BU)
V Rankov
Pochvozn Agrokhim 3(1):81-90 REF
1968 S590.P6
Chemical control (weeds), Herbicides, Nitrification, Soil series. English and Russian summaries.
- 6374-69**
CHEMICAL WEED CONTROL IN GROUND-NUTS.
P V M Richards
1967 MEETING:40-41
Jul 1967 S573.R45
Chemical control (weeds), Herbicides, Peanuts, Weed control. In Rhodesia National Farmers' Union. Diversification guide from the RNFU Crops Conference.
- 6375-69**
METHOD FOR DESTROYING UNDESIRABLE PLANT LIFE. PATENT 3,450,520.
S B Richter
Us Patent Office Offic Gaz 863(3):854
17 Jun 1969 156.65 OF2
Herbicides, Organophosphorus compounds, Patents.
- 6376-69**
EDITORIAL: THE PROBLEM OF HERBICIDES. (FR)
M Rochaix
*Agr Romande (SER A)*7(6):69
Jun 1968 17 AG8
Accident prevention, Chemical control (weeds), Climate, Herbicides.
- 6377-69**
MORPHOLOGICAL TRANSFORMATIONS AND LYSIS OF HALOBACTERIUM SALINARIUM BY 4-(2,4-DICHLOROPHENOXY)BUTYRIC ACID AND RELATED COMPOUNDS.
M Rodriguez-Rebollo C G Vazquez
Can J Microbiol 15(3):309-312 REF
Mar 1969 448.8 C162
Bactericides, Biochemistry, Butyric acid, Catechol, Culture media, Degradation, Dichlorophenoxy) butyric acid, 4-(2,4-, Halobacterium salinarium, Herbicides, Hydroquinone, Lysis, Microorganisms, Phenol compounds.
- 6378-69**
POSTEMERGENCE WEED CONTROL IN SOYBEANS.
R L Rogers L W Sloane L L McCormick
La Agr 12(3,SPRING):4-5
1969 100 L939
Chemical control (weeds), Chloroxuron, Dinoseb, Herbicides, Linuron, Oils, Soybeans, Surface-active agents.
- 6379-69**
WATER HYACINTH: NOXIOUS WEED THAT MUST BE CHECKED.
A Rostron
New Zeal J Agr 117(6):51
Dec 1968 23 N48J
Eichhornia, Plant morphology, Poisonous plants, Weed control.
The ecology and need for control of the water hyacinth, Eichhornia, is discussed in relation to the irrigational and navigational problems it presents. Eichhornia is also described for easy identification.
- 6380-69**
PRECISION METHODS FOR BETTER WEED CONTROL.
J H Scott
Doanes Agr Rep 32(5):26B-26C,26F
08 Feb 1969 281.8 D652
Chemical control (weeds), Cultural control (weeds), Dairy equipment, Herbicide application, Herbicides. Many herbicides are discussed.
- 6381-69**
WEEDS IN BARLEY AND THEIR CONTROL.
W C Shaw
U S D A Agr Handb (338):39-42
Mar 1968 1 AG84AH
Avena fatua, Barley, Chemical control (weeds), Cultural control (weeds), Herbicides, Legumes, Nitrated phenols, Phenoxy acid compounds, Thiocarbamates.
Many weeds of barley are listed, and the herbicides: 284-D, MCPA, silvex, 284-DB, dicamba, DNBP, diallate and barban are discussed.
- 6382-69**
WEED CONTROL IN TURF.
F W Slife J D Butler
Turfgrass Conf Proc 6:10-12
1965 SB433.14
Chemical control (weeds), Grasses, Herbicides, Turf, Weed control. Many herbicides were tested.
- 6383-69**
PRE-EMERGENCE WEED CONTROL IN THE NURSERY.
E M Smith
Ohio Agr Res Develop Center Res Sum 31:25-26
Sep 1968 100 OH3RS
Chemical control (weeds), Dichlobenil, Diphenamid, Herbicides, Norea, Nurseries, Preemergence, Simazine, Trifluralin, Weed control.
- 6384-69**
ALLIGATORWEED FOUND IN ARKANSAS.
R J Smith C H Clement
Rice J 72(2):25-26
Feb 1969 59.8 R36
Alternanthera philoxeroides, Aquatic weeds, Chemical control (weeds), Cultural control (weeds), D, 2,4-, Herbicides, Irrigation ditches, Phenoxy acid compounds, Rice, Silvex, T, 2,4,5-, Weed control.
- 6385-69**
1967 GUIDE TO CHEMICAL WEED CONTROL.
C M Snitzer et al.
Ontario Dep Agr Publ (75):79P
Jan 1967 7 ON8P
Accident prevention, Aquatic plants, Chemical control (weeds), Dairy equipment, Field crops, Fruit culture, Herbicides, Horticulture, Vegetables.
- 6386-69**
CONTROL OF UNDESIRABLE VEGETATION. PATENT 3,436,207.
E J Soboczenski
Us Patent Office Offic Gaz 861(1):201
01 Apr 1969 156.65 OF2
Butyl-5,6-dihydro-7-methyl-5-cyclopenta(D)pyrimidine- c, Cyclohexyl-5,6-dihydro-7-methyl-5-cyclopenta(D)pyrimidine- h, Weeds.
- 6387-69**
CONTROLLING WEEDS IN TURF.
E W Stroube
Ohio Agr Res Develop Center Res Sum 31:3-9
MAP
Sep 1968 100 OH3RS
Chemical control (weeds), D, 2,4-, Dicamba, Endothal, Formulations, Grasses, Herbicides, Pesticide application, Phenoxy acid compounds, Silvex, Turf.
- 6388-69**
HERBICIDES IN COTTON AND THEIR COMPATIBILITY WITH SOIL-APPLIED INSECTICIDES.
D J Swain J G Campion
Empire Cotton Growing Rev 46(2):83-92 REF
Apr 1969 72.8 EM7
Chemical control (insects), Chemical control (weeds), Cotton, Disulfoton, Herbicides, Insecticides, Phorate, Prometryne, Soil sanitation, Trifluralin.
- 6389-69**
INFLUENCE OF AGROTECHNICAL AND CHEMICAL TREATMENTS ON THE CHANGEABLENESS OF FIELD PLANT ASSOCIATIONS. (POL)
B Swietochowski
Inst Uprawy Nawozenia Gleboznawstwa Pam Pulawski 28:3-17
1967 64.9 IN7
Chemicals, Corn, Crop rotation, Echinochloa crusgalli, Field crops, Galinsoga parviflora, Herbicides, Tillage, Weed control. English and Russian summaries.
- 6390-69**
BRUSH RESEARCH IN TEXAS, 1968.
Tex Agr Exp Sta Consolidated Progr Rep 2583-2609:79P MAP REF
Oct 1968 100 T31P
Agricultural research, Brush control, Chemical control (weeds), Cultural control (weeds), Herbicide application, Herbicides. Many herbicides were used.
- 6391-69**
METHODS OF CHEMICAL WEED CONTROL.
H B Thornbill
Amer Nurseryman J 129(8):56-58
15 Apr 1969 80 AM371
Chemical control (weeds), Herbicide application, Herbicides, Nurseries. Many herbicides were tested.
- 6392-69**
STUDY OF CERTAIN HERBICIDES AGAINST WEEDS IN GARDEN PEAS. (BU)
B Velez
Horticult Viticult Sci 5(3):77-85 REF
1968 87 G75
Chemical control (weeds), Dinoseb, Herbicides, Nitrated phenols, Peas, Plant protection, Prometryne, Weed control. English and Russian summaries.
- 6393-69**
CHEMICAL WEED CONTROL IN HIGH YIELDING RICE VARIETIES.
J K Verma V S Mani
Indian Farming 17(3):30-31
Jun 1967 22 IN283
Chemical control (weeds), Crop varieties, Fertilizer application, Methyl-4-chlorophenoxyacetic acid, 2-, Propanil, Rice.
- 6394-69**
REDUCTION IN OR ELIMINATION OF CULTURAL PRACTICES IN POTATO CULTURES FOLLOWING THE APPLICATION OF HERBICIDES. (FR)
A Vcz
*Agr Romande (SER A)*7(6):69-74

Jun 1968 17 AG8

Crop varieties, Crop yields, Cultural control (weeds), Harvesting date, Herbicide application, Potatoes, Testing, Tillage.

6395-69

BURNING WEEDS IN DRAINAGE DITCHES TO SUPPRESS POPULATIONS OF GREEN PEACH APHIDS AND INCIDENCE OF BEET WESTERN YELLOWS DISEASE IN SUGARBEETS.

R L Wallis J E Turner

J Econ Entomol 62(2):307-309

15 Apr 1969 421 J822

Cultural control (weeds), Drainage ditches, Economics, Insect population control, Insect vectors, Myzus persicae, Plant disease control, Sugar beets, Virus diseases (plants), Western yellows.

6396-69

CHEMICAL WEED CONTROL IN SWEET POTATOES.

B W Wascom T P Hernandez J Montclaro

La State Univ Ext Ext Pub (1556):8P-FOLDER

Feb 1969 275.29 L93EP

Amiben, Chemical control (weeds), Chlorinated hydrocarbons, D, 2,4-, Dacthal, Diphenamid, Ethyl N,N-dipropylthiocarbamate, Herbicides, Phenoxy acid compounds, Spraying equipment, Sweet-potatoes.

6397-69

HERBICIDAL TREATMENT EFFECT ON CARBOHYDRATE LEVELS OF ALLIGATORWEED.

L W Weldon R D Blackburn

Weed Sci 17(1):66-69 REF

Jun 1969 79.8 W41

Alternanthera philoxeroides, Aquatic weeds, Carbohydrates, Chemical control (weeds), D, 2,4-, Dosage, Herbicides, Pesticide application, Silvex.

6398-69

COMMON AQUATIC WEEDS.

L W Weldon R D Blackburn D S Harrison

U S D A Agr Handb 352:43P REF

Jan 1969 1 AG84AH

Aquatic weeds, Plant taxonomy, Water, Weed control.

Plants classified in 5 groups: Free-floating plants, aquatic grasses, emerged plants, submersed plants, and algae.

6399-69

EXPERIMENTAL HUSBANDRY FARM EXPERIENCE WITH HERBICIDES AND TILLAGE SYSTEMS FOR CEREAL GROWING.

J E Whybrew

Great Brit NAAS (nat Agr Adv Serv) Quart Rev

(80,SUMMER):154-160

1968 241 G796

Chemical control (weeds), Cultural control (weeds), Economics, Grain, Herbicides, Paraquat, Tillage, Weed control.

6400-69

CHEMICAL WEED CONTROL IN PEANUT CROPS AT KATHERINE, NORTHERN TERRITORY.

I M W Wood

Australian J Exp Agr Anim Husb 8(35):762-766

Dec 1968 23 AU792

Chemical control (weeds), Herbicides, Peanuts, Pigweed. Many herbicides were tested.

6401-69

STUDIES ON THE WEED CONTROL IN THE PADDY FIELD. I. ON THE HERBICIDAL WEED CONTROL IN WET AND DRY NURSERIES. II. ON THE HERBICIDAL WEED CONTROL AT THE EARLY STAGE OF RICE PLANTS IN THE PADDY FIELD. TRANSL. 16734.

S Yamasaki S Takahashi S Takeda

43P

Chemical control (weeds), Crop varieties, Herbicides, Nurseries, Rice, Seedlings. Translation from Technical Bulletin, Miyagi Agricultural Experiment Station. (32), March, 1963. translated by Saburo Katayama.

Many herbicides were tested.

OTHER PESTS

6402-69

RODENT PESTS AND THEIR CONTROL. (GE)

F Christlieb

Prakt Schadlingsbekampfer 20(2):17-21

Feb 1968 421 P882

Biological control (pcsts), History, Rodent control, Rodenticides, Rodents.

6403-69

PRACTICAL ORGANIZATION OF FIELD MICE CONTROL. (FR)

J Dixmeras

Phytoma 19(191,SEP-OCT):38-42

1967 464.8 P563

Agricultural economics, Baits, Field mice, Organizations, Rodent control, Rodenticides, Rodents.

6404-69

DESIGN AND ANALYSIS OF FOREST-MAMMAL REPELLENT TESTS.

W E Dodge C M Loveless N B Kvcnro

Forest Sci 13(3):333-336

Sep 1967 99.8 F7632

Mammals, Pseudotsuga menziesii, Repellency tests, Statistical analysis.

6405-69

THE BIOLOGY AND CONTROL OF THE RICE FIELD MOLE RAT OF CEYLON, GONOMYS CRACILIS (NEHRING).

H E Fernando N Kawamoto N Percra

Int Rice Comm News Lett 16(2):35-38

Jun 1967 59.9 IN83N

Biology, Fumigation, Pest control, Plant protection, Rice, Rodents.

6406-69

DO SMALL MAMMALS AND BIRDS AFFECT REPRODUCTION OF SPRUCE AND FIR .

A C Hart H G Abbott E R Ladd

Us Forest Serv Res Pap Ne 110:8P

1968 A99.9 F7622UN

Abies, Birds, Food, Mammals, Picca, Plant reproduction, Seeds.

6407-69

A LABORATORY METHOD FOR ASSESSING THE TOXICITY OF STOMACH POISONS TO SLUGS.

I F Henderson

Ann Appl Biol 63(1):167-171

Feb 1969 442.8 AN72

Copper sulfate, Dosage, Metaldchydc, Molluscicides, Poisoning, Slugs, Sodium pentachlorophenatc, Stomach.

6408-69

EFFECT OF RANGE TREATMENT WITH 2,4-D ON RODENT POPULATION.

D R Johnson R M Hanscn

J Wildlife Manage 33(1):125-132

Jan 1969 410 J827

D, 2,4-, Field mice, Herbicides, Methodology, Phenoxy acid compounds, Population, Range management, Rodents.

6409-69

ALL MUST PULL THEIR WEIGHT IN PEST CONTROL.

C R M Jones

New Zeal J Agr 114(6):61

Jun 1967 23 N48J

Dogs, Pest control, Rabbits.

Pest control in New Zealand is the primary concern of the Rabbit Destruction Council. Farmers are asked to help by using such methods as shooting, trapping, snaring, gassing and dog packs.

6410-69

THE MUSKRAT IN LOIRE-ATLANTIQUE. (FR)

N Mahieu

Phytoma 19(190,JUL-AUG):34-36

1967 464.8 P563

Crop losses, Muskrats, Plant injuries, Rodent control, Traps, Zoogeography.

6411-69

NEW CONTRIBUTIONS TO THE SUBJECT 'BIRDS AND AGRICULTURE'. (FR)

H Sirlcz

Phytoma 19(193):20-25

Dec 1967 464.8 P563

Birds, DDT, Fruit, Herbicides, Pesticides, Pigcons, Plant injuries, Plant protection, Population, Sparrows. The book, The protection of crops against birds, published by ACTA is reviewed in the first section of this article.

6412-69

A NEW METHOD OF RAT CONTROL IN COCONUTS.

R W Smith

Trop Sci 44(4):315-324 REF

Oct 1967 26 T756

Baits, Coconuts, Pest control, Rats, Surveys.

6413-69

SNAILS AND SLUGS IN CENTRAL CALIFORNIA.

Sunkist Pest Contr Circ (373):1-2

Dec 1968 423.9 C12E

Arsenic compounds, Azinphosmethyl, Baits, Chemical control (pcsts), Citrus, Infestation, Metaldchydc, Pesticides, Plant injuries, Slugs, Snails.

LIVESTOCK PROTECTION

6414-69

ON THE PERMANENT BEDDING OF CHICKEN. SOME TECHNICAL AND HYGIENIC-SANITARY QUESTIONS. (IT)

M Alcantari

Zooprofilassi 23(6/7,JUN-JUL):295-314

1968 41.8 Z72

Absorption, Ammonia, Animal nutrition, Bedding (livestock), Chicken types (mcat), Chickens, Humidity, Hygiene, Microorganisms, Nitrogen, Sanitation.

6415-69

EFFECTS OF DIMETRIDAZOLE AND ANTI-BIOTICS ON GROWTH AND REPRODUCTION IN TURKEYS.

S L Balloun D L Miller L G Arends G M Spcers

Poultry Sci 48(1):171-176

Jan 1969 47.8 AM33P

Animal physiology, Dimetridazole, Drug therapy, Feed additives, Penicillin, Reproduction, Streptomycin, Turkeys, Zinc bacitracin.

6416-69

THE BACTERIAL POPULATION OF AN INDOOR POULTRY LAGOON.

L J Cabes A R Colmer H T Barr B A Tower

Poultry Sci 48(1):54-63 REF

Jan 1969 47.8 AM33P

Bacteria, Microbiology, Poultry manure.

6417-69

SANITARY LEGISLATION IN FRANCE CONCERNING ANIMAL SALMONELLOSIS. (FR)

H Chapoutier

Lyon Ecole Nat Vet These (14):128P

1967 41.2 L99

Agricultural legislation, Food inspection, Legislation, Livestock diseases, Poultry diseases, Public health, Salmonellosis.

6418-69

THE EFFECTS OF DDT ON A BREEDING POPULATION OF THE RUFOUSIDED TOWHEE (PIPILO E. ERYTHROPHthalmus LINNAEUS).

F W Davis

Diss Abstr Sect B 29(1):410B

Jul 1968 Z5055.U49D53

Biochemistry, Birds, Breeding, DDT, Feeding, Insecticide residues, Lipids, Population.

6419-69

THE STORY BEHIND THE LABEL.

D Dick
Western Livestock 47(10):20-21,58,61-62,64-66,
Jan 1969 6 F2278

Agricultural research, Animal husbandry, Animal nutrition, Drugs, Labeling.

6420-69

GROWTH, FEED EFFICIENCY AND GROSS CHEMICAL COMPOSITION IN MARKET-WEIGHT PIGS AS INFLUENCED BY A COMBINATION OF SYNTHETIC SEX HORMONES AND TYLOSIN.

H Doornenbal R Frankham
Can J Anim Sci 49(1):77-83 REF
Apr 1969 41.8 C163

Animal nutrition, Animal physiology, Feed additives, Sex hormones, Swine, Tylosin.

6421-69

ACHIEVEMENTS OF SOVIET VETERINARY HELMINTHOLOGY. (BU)

V S Ershov
Vet Med Nauk 5(5):3-10
1968 41.8 V6468

Helmintology, Veterinary medicine.

6422-69

ZOOTECNICAL INITIATIVES CARRIED OUT DURING 1966. (IT)

R Fabbri
Agr Ferrarese 71(1):18-22
31 Jan 1967 16 AG87

Animal genetics, Cattle records, Costs, Dairy cattle, Livestock, Poultry industry, Swine.

6423-69

SHELL PRODUCTS FOR ANIMAL HEALTH.

I D Farquharson
Spain; Shell Pub Health Agr News 11(1):18-22 REF
1968 464.8 SP2

Anthelmintics, Arthropoda, Cattle, Chloro-1-(2,4-dichlorophenyl)vinyl diethyl phosphate, 2-, Dichlorvos, Dieldrin, Dogs, Horses, Insecticides, Livestock diseases, Methylbenzyl 3-hydroxy-eisrotionate dimethyl phosphate, alp n, Poultry, Sheep, Swine.

6424-69

EFFECT OF SOME PESTICIDES ON THE ADRENAL GLANDS IN THE RAT.

T S Foster
Can J Biochem 46(9):1115-1120 REF
Sep 1968 470 C16E

Adrenal glands, Biochemistry, Dieldrin, DDT, Dosage, Enzymes, Malathion, Pesticides, Rats, Steroids, TDE.

6425-69

ON THE BACTERIAL EFFECT OF IONIZING IRRADIATION ON CERTAIN MICROORGANISMS. SECOND COMMUNICATION. A STUDY OF THE BACTERICIDAL EFFECT OF GAMMA RAYS ON CERTAIN BACTERIA AND THE SPORES OF BAC. ANTHRACIS. (BU)

I Genov V Fyodorov D Dimitrov N Antonov
Vet Med Nauk 5(7):41-48 REF
1968 41.8 V6468

Bacillus anthracis, Bacteriology, Dosage, Erysipelothrix insidiosa, Gamma rays, Immunity, Irradiation, Mycobacterium tuberculosis, Proteinases. English and Russian summaries.

6426-69

EXPERIMENTS WITH FATTENING PIGS ON PASTURE. (FR)

J Gilbert P Capitaine H Serres
Rev Elevage Med Vet Pays Trop (N s)21(2):219-225
1968 41.8 R3262

Animal nutrition, Diet, Fattening, Grazing, Pastures, Rainfall, Swine. English and Spanish summaries.

6427-69

A STUDY OF NATURAL PASTURES IN MADAGASCAR. PRODUCTIVITY AND PRACTICAL APPLICATIONS. (OFR)

P Granier J Lahore P Dubois
Rev Elevage Med Vet Pays Trop (N s)21(2):203-218 MAP REF
1968 41.8 R3262

Agriculture, Cattle, Climate, Ecology, Hay, Malagasy Republic, Pastures. English and Spanish summaries.

6428-69

VETERINARY TREATMENT OF FARM ANIMALS IN THE CASE OF EXTERNAL RADIOACTIVE CONTAMINATION. FIRST COMMUNICATION. VETERINARY TREATMENT OF SHEEP AND PIGS EXTERNALLY CONTAMINATED WITH PHOSPHORUS32 AND STRONTIUM89. (BU)

N Gromkov
Vet Med Nauk 5(7):35-40
1968 41.8 V6468

Phosphorus isotopes, Radioactive contamination, Sheep, Strontium isotopes, Swine, Veterinary medicine. English and Russian summaries.

6429-69

MAINTAINING HIGH-QUALITY VETERINARY BIOLOGICS.

J M Heil
Western Livestock 47(10):22,24
Jan 1969 6 F2278

Labeling, Laboratory animals, Serum, Vaccines, Veterinary medicine.

6430-69

SEX-LINKED DWARFISM AND EGG PRODUCTION OF BROILER DAMS.

R G Jaap M Mohammadian
Poultry Sci 48(1):344-346
Jan 1969 47.8 AM33P

Animal genetics, Chickens, Egg production.

6431-69

RELATION BETWEEN DDT IN DIETS OF LAYING BIRDS AND VIABILITY OF THEIR EGGS.

F J S Jones D D B Summers
Nature 217(5134):1162
23 Mar 1968 472 N21

Biochemistry, Birds, Diet, DDT, Eggs, Feed, Insecticides, Metabolites, Poisoning, Toxins.

6432-69

ABSORPTION AND DISTRIBUTION OF ETHYLENEDIAMINETETRAACETIC ACID (EDTA) INGESTED BY THE CHICK.

R D Kealy D E Greene P W Waldroup E L Stephenson
Poultry Sci 48(1):94-99 REF
Jan 1969 47.8 AM33P

Absorption, Animal physiology, Chickens, Ethylenediaminetetraacetic acid, Excretion.

6433-69

IMPROVING EGG QUALITY IN POULTRY BY ORALLY ADMINISTERING ANDROGENS. PATENT 3,438,783.

L J Maehlin
Us Patent Office Offic Gaz 861(3):881
15 Apr 1969 156.65 OF2

Androgens, Animal nutrition, Diet, Eggs, Hormones, Patents, Poultry products, Steroids.

6434-69

ARTIFICIAL INSEMINATION OF LIVESTOCK IN THE SOUTH PACIFIC.

I C A Martin
S P acific Comm Tech Pap (155):8P MAP
Jul 1967 280.9 SO823T

Animal breeding, Artificial insemination, Livestock, Methodology.

6435-69

ON THE AGRICULTURAL IMPORTANCE OF THE ROOK (CORVUS FRUGILEGUS L.). (RUS)

V I Osmolovskaya
Moskov Obshch Ispytalei Prirody Byul Otd Biol 72(6):37-41 MAP REF

1967 511 M85

Beneficial birds, Natural control (insects), Sugar beets, Zoogeography. English summary.

6436-69

LONG DISTANCE DISPERSAL OF SEEDS BY RETENTION IN DIGESTIVE TRACT OF BIRDS.

V W Proctor
Science 160(3825):321-322 REF
19 Apr 1968 470 SCI2

Birds, Digestion, Research, Seed dissemination, Tables (data), Time, Zoogeography.

6437-69

PARASITES OF MAN AND DOMESTIC ANIMALS IN VIETNAM, THAILAND, LAOS, AND CAMBODIA. HOST LIST AND BIBLIOGRAPHY.

D B Segal J M Humphrey S J Edwards M D Kirby
Exp Parasitol 23(3):412-464 REF
Dec 1968 436.8 EX7

Bibliography, Livestock, Parasites, Surveys, Zoogeography.

6438-69

VETERINARY SCIENCE.

S R M Sharma
Rev Agr Res Punjab 3(PT 5):1-55 REF
1965 S280.P8K3

Animal physiology, Etiology, Hematology, Livestock diseases, Parasitism, Pharmacology, Reviews, Veterinary medicine.

6439-69

ON THE EFFECT OF SEVIN ON SEXUAL FUNCTIONS OF WARM-BLOODED ANIMALS. (RUS)

S A Shilova A A Smirnov V A Ognev L D Voronova
Med Parazitol Parazitarn Bolezni 37(5,SEPT/OCT):604-609
1968 448.8 M469

Carbamates, Carbaryl, Chemical control (insects), Field mice, Insecticides, Ixodides, Reproduction, Rodents, Wildlife diseases. English summary.

6440-69

ISOTOPES IN AGRICULTURE.

Sojuzchimesport, Moscow, USSR 28P
1968 S589.5S6

Animal husbandry, Crops, Ionization, Isotopes, Mechanization, Poultry, Radiation, Radioisotopes.

The author lists radioactive and stable isotopes and isotope-labelled compounds used in agricultural investigations.

6441-69

TURKEY MANAGEMENT GUIDE.

T W Sullivan E W Gleaves T E Hartung
Nebr Univ Ext Ec (1423):40P
Aug 1968 275.29 N272EX

Animal husbandry, Dairy equipment, Farm buildings, Farm management, Poultry diseases, Turkeys, Ventilation.

6442-69

ANIMAL SCIENCE.

D Sundaresan U D Sharma
Rev Agr Res Punjab 3(PT 6):1-34 REF
1965 S280.P8K3

Animal husbandry, Dairy industry, Goats, Research, Sheep, Wool.

6443-69

CONTROL OF SPARROWS ON POULTRY FARMS.

M E Sutton
New Zeal J Agr 118(4):22-23
Apr 1969 23 N48J

Animal vectors, Bird pests, Economics, Pest control, Poultry farm management, Sparrows.

Sparrows have become significant pests on poultry farms as parasite and disease vectors, sanitation spoilers and food wasters. Their economic importance is discussed. Detailed instructions for construction and use of a sparrow-trapping apparatus are given.

6444-69

EXCRETION OF RADIOACTIVE MESTRANOL IN THE MILK OF ANIMALS.

M Talaat Abdel-Aziz G Bialy W B Keith K I H Williams

Int J Fertility 14(1, JAN-MAR):39-47 REF

1969 442.8 IN83

Excretion, Lactation, Milk analysis, Radioactive substances, Rats, Sheep, Swine.

6445-69

PRODUCTION OF CELLULASE, ANTIBIOTIC AND ANTI-TUMOR SUBSTANCES BY GROWING EUMYCES ATCC 16425 PATENT 3,438,864.

M D Tandler

Us Patent Office Offic Gaz 861(3):897

15 Apr 1969 156.65 OF2

Antibiotics, Carbon, Cellulase, Drugs, Enzymes, Molds, Nitrogen, Patents.

6446-69

S.N.F. CONTENT OF MILK.

J P Walsh

Irish Agr Creamery Rev 21(415):9-14

Jul 1968 44.8 C866

Aging, Biochemistry, Cattle, Dairy cattle, Environment, Genetics, Lactose, Livestock diseases, Mastitis, Milk, Milk analysis, Milk fat, Physiology, Proteins, Quantitative analysis, Tables (data), Udders. S.N.F. refers to milk solids that are not fats.

6447-69

CURVULARIN-CONTAINING ANIMAL FEED FOR PROMOTING GROWTH AND INCREASING FEED EFFICIENCY. PATENT 3,436,223.

H L Wehrmeister

Us Patent Office Offic Gaz 861(1):204

01 Apr 1969 156.65 OF2

Animal physiology, Animals, Curvularin, Feed, Food additives, Meat.

6448-69

REVIEW OF THE MOST IMPORTANT CAUSES OF DEATH AND DISEASE OF DOGS OVER A PERIOD OF 15 YEARS. (GE)

I Weisse

Giessen Justus Liebig Univ Veterinarmed Fak (inaug-diss) (47):91P REF

1967 41.2 G3642

Animal diseases, Autopsies, Death, Dogs, Veterinary medicine.

Reviews autopsy reports on 5116 dogs between 1951 and 1965.

6449-69

BIOLOGY OF INVERTEBRATA.

J H Wilmoth

Prentich-Hall, Inc., Englewood Cliffs, New Jersey

465P REF

1967 QL362.W5

Animal evolution, Animal morphology, Animal taxonomy, Biology, Invertebrates.

6450-69

OBSERVATIONS AND ETHOLOGICAL CONSIDERATIONS ON LESIONS CAUSED BY FAULTS IN THE CONSTRUCTION OF STALLS IN SOME CATTLE HERDS. (GE)

K Zeeb

Deut Tierarztl Wochensh 75(24):630-632

15 Dec 1968 41.8 D482

Cattle, Extremities, Injuries, Lesions. English summary.

DISEASES

6451-69

THE EFFECT OF MASTITIS ON THE FREEZING-POINT OF COWS' MILK. KING, J O L.*Brit Vet J* 125(1):25-30

Jan 1969 41.8 V643

Cattle, Dairy bacteriology, Food contamination, Livestock diseases, Mastitis, Melting points, Milk analysis, Temperature. French, German and Spanish summaries.

6452-69

NOTES ON THE SPONTANEOUS PATHOLOGY OF THE DOG IN THE LABORATORY. 3RD NOTE: CONCERNING A SPONTANEOUS HEPATECTOMY. (FR)

G van Hauerbeke J Michoulier H Verine

Acad Vet France Bull 41(1):41-44

Jan 1968 41.9 R24

Animal histology, Diagnosis, Dogs, Drug therapy, Hypertrophy, Liver.

6453-69

THE USE OF MEASLES VACCINES IN THE IMMUNIZATION OF THE DOG. (GE)

O Ackermann H Siebel

Kleintier-praxis 13(2):48-51

Mar 1968 41.8 K67

Canine distemper, Dogs, Immunization, Measles vaccine, Viral vaccines.

6454-69

SPRAYABLE OR SUBCUTANEOUSLY ADMINSTRABLE VACCINE FOR THE IMMUNIZATION OF MUSTELINES AGAINST DISTEMPER AND PROCESS FOR ITS PREPARATION. PATENT 3,420,934.

O Ackermann

Us Patent Office Offic Gaz 858(1):277-278

07 Jan 1969 156.65 OF2

Canine distemper, Immunization, Patents, Spraying, Vaccines, Virus diseases (animals).

6455-69

NEWCASTLE DISEASE IN POULTRY.*U S D A Leaflet* (451):6P

Dec 1968 1 AG84L

Disease transmission, Immunization, Newcastle disease, Poultry, Poultry diseases, Virus diseases (animals).

6456-69

COMBINED ACTION OF ROUS SARCOMA VIRUS AND CHEMICAL CARCINOGEN IN RATS.

C G Ahlstrom J Heaton

Experientia 24(4):411-413

15 Apr 1968 475 EX7

Animal physiology, Biochemistry, Carcinogens, Rats, Rous sarcoma virus.

6457-69

BORDETTELLA BRONCHISEPTICA AND INFECTIONS OF THE NASAL CAVITY IN SWINE. (DU)

J P W Akkermans H Ouwerkerk J I Terpstra

Tijdschr Diergeneesk 15(93):964-972

01 Aug 1968 41.8 T431

Bordetella bronchiseptica, Infectious diseases, Livestock diseases, Respiratory diseases, Swine. English, French, German, and Spanish summaries

6458-69

THE PRECISION OF VIRUS END-POINT DETERMINATIONS.

W H Allan C N Herbert

Arch Gesamte Virusforsch 25(3-4):330-336

Dec 1968 448.3 AR23

Chick embryos, Newcastle disease virus, Paramyxoviruses, Poultry diseases, Volumetric analysis.

6459-69

STUDIES ON AN OCULAR INFECTIOUS LARYNGOTRACHEITIS VACCINE.

A A Alls J R Ipson W D Vaughan

Avian Dis 13(1):36-45 REF

Feb 1969 41.8 AV5

Aging, Animal physiology, Chick embryos, Dosage, Eyes, Immunization, Infectious diseases, Infectious laryngotracheitis, Poultry diseases, Tissue culture, Vaccines, Virus diseases (animals).

6460-69

ON THE GRANULAR DERMATITIS IN HORSES WHICH CONTAINS A KIND OF TRUE FUNGUS IN THE FOCI II. (JA)

J Amemiya S Nishiyama

Kagoshima Univ Fac Agr Bull 18:185-191

Feb 1968 107.6 K114B

Dermatitis, Fungus diseases (animals), Habronema, Horses, Mortierellaceae, Mycosis, Nematodes, Summer sores. English summary.

6461-69

SUITABLE BLOOD SOURCES PERMITTING REACQUISITION OF INFECTIVITY BY CULTURE-FORM TRYPANOSOMA (TRYPANOSOMA) BRUCEI.

Y U Amrein R B Hancman

Acta Trop 26(1):70-75

1969 475 AC8

Blood culture, Culture media, Immunity, Mammals, Protozoa, Tissue culture, Trypanosoma brucei.

The specific immunity of the individual, rather than the species, sex, or age of the mammalian blood donor, was found to be responsible for the inability to culture Trypanosoma brucei on some blood media.

6462-69

INTERSTATE TRANSPORTATION OF ANIMALS AND POULTRY. BRUCELLOSIS. MISCELLANEOUS AMENDMENTS.

R J Anderson

Fed Regist 34(94):7798-7800

16 May 1969 L1.451

Brucellosis, Cattle, Interstate commerce, Livestock diseases, Regulations.

6463-69

THE NATURAL OCCURRENCE OF CANINE L. ICTERHAEMORRHAGE INFECTION. A SURVEY DURING TEN YEARS (OCTOBER 1957-SEPTEMBER 1967). (IT)

E Andreani G Della Croce

Pisa Univ Stud Fac Med Vet Ann 20:248-257

1967 41.9 P67

Bacterial diseases (animals), Canine distemper, Dogs, Leptospirosis. English and French summaries.

6464-69

SEROLOGICAL SURVEY ON THE INCIDENCE OF BOVINE LEPTOSPIROSIS IN THE PROVINCE OF BELLUNO. (IT)

E Andreani E Tasselli N Berton

Pisa Univ Stud Fac Med Vet Ann 20:258-263

REF

1967 41.9 P67

Antibodies, Bacterial diseases (animals), Blood serum, Cattle, Leptospira hardjo, Leptospira pomona, Leptospirosis, Livestock diseases. English and French summaries.

6465-69

THE ROUTE TO CONTROL OF MASTITIS.

Anonymous

Dairy Herd Manage 6(1):28-29

Jan 1969 SF191.D3

Dairy cattle, Drug therapy, Livestock diseases, Mastitis, Staphylococci.

6466-69

EFFECTIVE ATTACK ON MASTITIS...AT LAST.

Anonymous

Australian Country Mag 24(6):28-29,56

Jul 1968 60.18 AU7

Dairy cattle, Diagnosis, Drug therapy, Livestock diseases, Mastitis, Milk.

6467-69

A NEW FOWL POX VACCINE.

Anonymous

Farmers Weekly 70(17):32

25 Apr 1969 10 F2226

Avian poxviruses, Fowlpox, Immunization, Poultry diseases, Viral vaccines, Virus diseases (animals).

6468-69

NATIONAL APPROACH TO CONTROL OF ANIMAL DISEASE IN AUSTRALIA. EDITORIAL.

Anonymous

Australian Vet J 44(11):522

Nov 1968 41.8 AU72

Animal diseases, Legislation, Veterinary medicine.

- 6469-69**
HOT DEBATE BOILS OVER VACCINES.
Anonymous
Big Farmer 41(3):26,28
15 Mar 1969 58.8 B46
Cattle, Disease transmission, Hog cholera, Vaccines, Virus diseases (animals).
- 6470-69**
VICTORIA'S FOOTROT CONTROL AREA.
Anonymous
J Agr 67(2):54-55
Feb 1969 23 V66J
Antibiotics, Foot rot (animals), Legislation, Livestock diseases, Shecp.
- 6471-69**
SOME OBSERVATIONS ON THE INCIDENCE OF BRUCELLOSIS IN ANIMALS IN WEST PAKISTAN.
S A S M Anwar Shah S Ahmad Khan
Pakistan J Sci 19(4):189-192
Jul 1967 475 P172
Brucella abortus, Brucellosis, Buffaloes, Cattle, Goats, Livestock diseases, Milk, Pregnancy, Shecp.
- 6472-69**
DUCK COCCIDIA IN THE LITHUANIAN SSR. (RU)
T Arnastauskiene V Povilaitis
Acta Parasitol Lithuanica 7:15-20 REF
1968 436.9 AC8
Coccidiosis, Ducks, Protozoa. English and Lithuanian abstracts.
- 6473-69**
ON THE DOMESTIC GEESE COCCIDIA IN THE LITHUANIAN SSR. (RU)
T Arnastauskiene
Acta Parasitol Lithuanica 7:5-13 REF
1968 436.9 AC8
Coccidiosis, Eimeria, Geese, Protozoa, Taxonomy. English and Lithuanian abstracts.
- 6474-69**
MESOSOMES IN M-TYROSINE-INHIBITED BACILLUS THURINGIENSIS.
J N Aronson P A Bowe J Swafford
J Bacteriol 93(3):1174-1176
Mar 1967 448.3 J82
Bacillus thuringiensis, Cytology, Microscopy, Physiology, Tyrosine.
- 6475-69**
ADRENERGIC MECHANISM IN BORDETELLA PERTUSSIS TREATED ANIMALS.
S Arora R K Sanyal
Cur Sci 36(12):322-323
20 Jun 1967 475 SC123
Biochemistry, Bordetella pertussis, Epinephrine, Guinea pigs, Histamine, Mice, Rabbits, Vaccines.
- 6476-69**
ASPERGILLUS FLAVUS MENINGO-ENCEPHALITIS IN CHICKENS AND GEESE. (IT)
G Asdrubali M Ribaldi L Gialletti L Mughetti
Nuova Vet 44(4,JUL-AUG):224-241 REF
Jul 1968 41.8 N922
Aspergillus flavus, Brain, Chickens, Fungus diseases (animals), Geese, Meningo-encephalitis, Poultry diseases. French, English and Spanish summaries.
- 6477-69**
ELECTRONMICROSCOPIC, CYTOCHEMICAL AND IMMUNOCHEMICAL STUDY OF B. ANTHRACIS AND B. CEREUS.
A A Avakyan I B Pavlova L N Katz K N Levina
J Hyg Epidemiol Microbiol Immunol 11(2):151-159 REF
1967 448.8 J826
Bacillus anthracis, Bacillus cereus, Biochemistry, Cytology, Electron microscopy, Immunochemistry, Tissue culture.
- 6478-69**
IMMUNO-FLUORESCENT STUDY OF ANTIBODY FORMATION IN IMMUNIZATION OF GUINEA PIGS WITH A LIVE BRUCELLA CULTURE. (RUS)
M M Averbakh N I Tatishvili N V Gogebashvili
Zhur Mikrobiol Epidemiol Immunobiol 4:52-56
1968 448.3 Z4
Antibodies, Brucella abortus antigens, Cells, Fluorescent antibody technic, Fluorescent substances, Guinea pigs, Immunization, Plasmolysis, Serological tests. English summary
- 6479-69**
STUDIES ON SALMONELLA INFECTION AMONG RABBITS IN THE U. A. R.
F I Awad M A El-Agroudy A A Bassiouni I M Sadek F Masoud
J Vet Sci U A R 4(1):11-17 REF
1967 SF604.J6
Food additives, Furazolidone, Neomycin, Pathology, Rabbits, Salmonellosis.
- 6480-69**
ISOLATION OF EQUINE RHINOPNEUMONITIS VIRUS FROM ACUTE RESPIRATORY DISEASE IN A HORSE IN QUEENSLAND.
T J Bagust R R Pascoe
Australian Vet J 44(6):296
Jun 1968 41.8 AU72
Equine rhinopneumonitis, Horses, Respiratory diseases, Serological tests, Tissue culture, Virus diseases (animals).
- 6481-69**
A PROGRESSIVE SPASTIC SYNDROME IN CATTLE.
A A Bakr
Australian Vet J 44(8):393
Aug 1968 41.8 AU72
Cattle, Hereditary diseases, Livestock diseases, Muscles, Pregnancy, Spasms.
- 6482-69**
MANAGEMENT OF ALLERGIC DISEASE BY HYPOSENSITIZATION.
E Baker
Amer Vet Med Ass J 154(5):491-494
01 Mar 1969 41.8 AM3
Allergies, Animal diseases, Antigens, Diagnosis, Dosage, Drug therapy, Injections.
- 6483-69**
THE MORPHOLOGIC RESPONSE OF THE TURKEY OVIDUCT TO CERTAIN PATHOGENIC AGENTS.
R A Ball V B Singh B S Pomeroy
Avian Dis 13(1):119-133 REF
Feb 1969 41.8 AV5
Animal morphology, Microorganisms, Microscopy, Mycoplasma meleagridis, Oviducts, Poultry diseases, Turkeys, Virus diseases (animals).
- 6484-69**
SUSCEPTIBILITY OF EUROPEAN ZEBU CROSSBRED CATTLE TO LAPINISED RINDERPEST VACCINE.
R P Bansal G L Sharma
Indian J Vet Sci Anim Husb 38(3):379-383
Sep 1968 41.8 IN22
Calves, Cattle breeds, Livestock diseases, Rinderpest virus, Veterinary medicine, Viral vaccines, Zebu cattle.
- 6485-69**
BIOLOGICAL ASSAY OF VIRUS CONTENTS OF TISSUES OF RABBITS INFECTED WITH LAPINISED RINDERPEST VIRUS.
R P Bansal S K Chawla G L Sharma
Indian J Vet Sci Anim Husb 38(3):374-378 REF
Sep 1968 41.8 IN22
Biological assay, Rabbits, Rinderpest virus, Tissue culture, Veterinary medicine, Viral vaccines, Virology.
- 6486-69**
ROLE OF COMPLEMENT IN IMMUNE INACTIVATION OF MYCOPLASMA GALLISEPTICUM.
L F Barker J K Patt
J Bacteriol 94(2):403-408 REF
Aug 1967 448.3 J82
Complement, Immunity, Mycoplasma gallisepticum, Serological tests.
- 6487-69**
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 seminis, Animal histology, Epididymitis, Livestock diseases, Rams, Reproductive organs.
- 6488-69**
ENZOOTIC ABORTION AND STERILITY FROM BOVINE LEPTOSPIROSIS IN THE PO VALLEY. (IT)
L Bellani L Ruggeri
Clinica Vet 91(8):237-243 REF
Aug 1968 41.8 C61
Agglutination test, Bacterial diseases (animals), Cattle, Enzoitic abortion, Epidemiology, Leptospire, Leptospirosis, Livestock diseases, Lysis, Sterility, Symptomatology, Volumetric analysis. English summary.
- 6489-69**
PIG DISEASES.
H G Belschner
257P REF LONDON, ANGUS and ROBERTSON LIMITED
1967 SF971.B42
Animal physiology, Deficiency diseases, Disease control, Infectious diseases, Livestock diseases, Metabolism diseases, Neoplasms, Parasitism, Poisoning, Swine, Symptomatology.
- 6490-69**
IMMUNOFLUORESCENT AND IMMUNOPHORETIC DATA ON ANTIGENIC PROPERTIES OF CANDIDA ALBICANS.
R Berchev I Izmirov
Experientia 23(2):103-104 REF
15 Feb 1967 475 EX7
Candida albicans, Electrophoresis, Fluorescent antibody technic, Fungus diseases (animals), Rabbits.
- 6491-69**
DUODENAL LEIOMYOSARCOMA: A CASE REPORT.
D N Biecy P Berg
Amer Vet Radiol Soc J 7:34-38 REF
1966 41.9 AM37
Animal diseases, Dogs, Duodenum, Neoplasms, Radiography, Sarcoma, Surgery. German and French summaries.
- 6492-69**
THE SIGNIFICANCE OF THE MANGANESE CONTENT IN THE HAIR OF CATTLE. (FR)
H Binot F Lomba G Chauvaux V Biecfet
Ann Med Vet 112(8):666-688
Dec 1968 41.8 AN78
Cattle, Deficiency diseases, Dosage, Feed supplements, Hair, Livestock diseases, Manganese. English, German and Flemish summaries.
- 6493-69**
STUDIES OF TUBERCULOSIS IN HENS AS A PROBLEM OF FOOD HYGIENE. (POL)
J Bojarski
Lublin Univ Mariae Curie Ann Sect Dd 22:75-94 REF
1967 512 L96AD
Chickens, Epidemiology, Food sanitation, Mycobacterium avium, Mycobacterium bovis, Mycobacterium tuberculosis, Tuberculin test, Tuberculosis. English and Russian summaries.

6494-69

ACTINOMYCOSIS OF MANDIBLE GINGIVAE. (IT)

S Botticelli

Nuova Vet 43(6,NOV-DEC):635-639

1967 41.8 N922

Actinomycosis, Animal histology, Calves, Fungus diseases (animals), Jaws, Livestock diseases, Mandibular glands, Symptomatology.

6495-69

METHODS OF CONTROLLING PROTOZOA INFECTIONS WITH N-SUBSTITUTED 1,4-DIAMINO 2,3-ANTHRAQUINONEDICARBOXYMIDES. PATENT 3,436,460.

D C Boughton

Us Patent Office Offic Gaz 861(1):250

01 Apr 1969 156.65 OF2

Animal diseases, Diamino-N-(2-aminopropyl)-2,3-anthraquinonedicarboxy- d, Disease control, Methodology, Protozoa.

6496-69

DURATION OF RINDERPEST VIRUS EXCRETION IN CATTLE IMMUNIZED WITH AN INACTIVATED VACCINE. (FR)

P Bourdin

*Rev Elevage Med Vet Pays Trop (N s)*21(2):141-144

1968 41.8 R3262

Cattle, Excretion, Livestock diseases, Rinderpest virus, Vaccines, Virus diseases (animals). English and Spanish summaries.

6497-69

CONTROL OF HYDATID DISEASE AT ABATTOIRS AND COUNTRY SLAUGHTERHOUSES.

A J Bramble

Tasmanian J Agr 38(4):309-311

Nov 1967 23 T182T

Dogs, Echinococcosis, Legislation, Sanitation, Slaughterhouses.

6498-69

STUDIES ON ACUTE MAREK'S DISEASE. VIII. THE ROLE OF MOSQUITOES IN TRANSMISSION UNDER EXPERIMENTAL CONDITIONS.

R N Brewer W M Reid J Johnson S C Schmitte

Avian Dis 13(1):83-88

Feb 1969 41.8 AV5

Avian lymphomatosis, Chickens, Chicks, *Culex pipiens pipiens*, *Culex pipiens quinquefasciatus*, Experimental insects, Insect vectors, Poultry diseases.

6499-69

ANIMAL HEALTH BUSINESS THRIVES.

J Buck

U S Defense Serv Admin Quart Indus Rep

16(1):15-16

Mar 1969 157.32 C42

Agricultural research, Animal husbandry, Drugs, Feed additives, Livestock diseases, Manufacturing costs, Veterinary medicine.

6500-69

INVESTIGATIONS ON THE VIRUSES OF THE ORPHAN TYPE OCCURRING IN PIGS IN POLAND. IV. HAEMATOLOGICAL FINDINGS IN PIGLETS ARTIFICIALLY INFECTED WITH VIRUS LI. (POL)

J Buczek T Jastrzebski

Lublin Univ Mariae Curie Ann Sect Dd 22:47-53

REF

1967 512 L96AD

Baby pigs, Colostrum, Hematology, Livestock diseases, Picornaviruses, Swine, Virus diseases (animals). English and Russian summaries.

6501-69

INVESTIGATIONS ON THE VIRUSES OF THE ORPHAN TYPE OCCURRING IN PIGS IN POLAND. VII. INFLUENCE OF THE ORPHAN VIRUS LI ON THE VIRUS OF HOG CHOLERA IN SWINE KIDNEY CELL CULTURES. (POL)

J Buczek

Lublin Univ Mariae Curie Ann Sect Dd 22:69-73

REF

1967 512 L96AD

Hog cholera virus, Kidneys, Livestock diseases, Myxoviruses, Swine, Tissue culture, Virology, Virus diseases (animals). English and Russian summaries.

6502-69

MEDIUM-CHAIN TRIGLYCERIDES AS A STRESS FACTOR IN VITAMIN E DEFICIENCY OF CHICKS.

P Budowski H Fisher P Griminger

Poultry Sci 48(1):350-352

Jan 1969 47.8 AM33P

Antitoxins, Chicks, Deficiency diseases, Glycerides, Vitamin e.

6503-69

SEQUENCE OF RNA SYNTHESIS IN CHICK FIBROBLASTS INFECTED WITH SENDAI VIRUS.

A G Bukrinskaya R D Berry

Biokhimiya 33(2,PT 1,MAR-APR):209-214 REF

Apr 1968 385 B523

Chickens, Neoplasms, Parainfluenza-1 virus, Ribonucleic acid, Synthesis. Russian journal- vol. 33(2):256-262, Mar-Apr, 1968

6504-69

LEPTOSPIRA ICTEROHAEMORRHAGIE NATURAL INFECTION IN THE DOG. I. DETERMINATION OF ACTIVITIES OF SERUM ENZYMES. (IT)

A Buonaccorsi

Pisa Univ Stud Fac Med Vet Ann 20:239-247

REF

1967 41.9 P67

Bacterial diseases (animals), Blood serum, Dogs, Enzymes, Leptospirosis. English and French summaries.

6505-69

EVOLUTION OF BOTULISM. V. EVOLUTION OF PATHOGENIC PROPERTIES OF CL. BOTULINUM. (RUS)

P N Burgasov S N Rumyantsev

Zhur Mikrobiol Epidemiol Immunobiol 4:3-7

1968 448.3 Z4

Animals, Biology, Clostridium botulinum, Ecology, Evolution, Food poisoning, Morphology, Research. English summary

6506-69

STUDIES ON AVIAN ENCEPHALOMYELITIS. IV. EARLY INCIDENCE AND LONGEVITY OF HISTOPATHOLOGIC LESIONS IN CHICKENS.

W K Butterfield C F Helmboldt R E Luginbuhl

Avian Dis 13(1):53-57

Feb 1969 41.8 AV5

Animal histology, Avian encephalomyelitis, Chickens, Poultry diseases, Virus diseases (animals).

6507-69

CANINE LEPTOSPIROSIS IN ARGENTINA. (SP)

R A Cacchione V C F Cedro M J D Bulgini E S Cascelli

Argent Reput Inst Nac Zoonosis Ser Tec (N s)(19):125-132

1962 41.9 AR36

Agglutination test, Dogs, Epidemiology, Leptospira, Leptospirosis, Serological tests. English summary.

Reprint from Revista de Investigaciones Ganaderas, no. 14.

6508-69

EXPERIMENTAL LEPTOSPIROSIS. III. LEPTOSPIROSIS IN DOGS. EXPERIMENTAL REPRODUCTION OF THE SICKNESS. (SP)

R A Cacchione V C F Cedro M J D Bulgini E S Cascelli

Argent Reput Inst Nac Zoonosis Ser Tec (N s)(22):169-175

1963 41.9 AR36

Bacterial diseases (animals), Blood plasma, Dogs, Leptospirosis, Microscopy, Temperature. English summary. reprint from: Revista de Investigaciones Ganaderas, (17).

6509-69

A NOTE ON HOMOLOGOUS STRAIN IMMUNITY IN BABESIA ARGENTINA INFECTIONS.

L L Callow

Australian Vet J 44(6):268-269

Jun 1968 41.8 AU72

Babesia argentina, Cattle, Immunity, Immunization, Livestock diseases, Vaccines.

6510-69

SOME OUTBREAKS OF TURKEY ERYSIPELAS. (IT)

F Carlotto E Dovadola

Nuova Vet 44(4,JUL-AUG):250-255 REF

Jul 1968 41.8 N922

Epidemiology, Erysipelas, Poultry diseases, Skin diseases, Turkeys. French, English and German summaries.

6511-69

MASTOCYTOSIS WITH GASTROINTESTINAL ULCERATION IN A DOG.

C B Carrig A A Seawright

Australian Vet J 44(11):503-507 REF

Nov 1968 41.8 AU72

Animal diseases, Dogs, Gastrointestinal system, Histamine, Skin diseases, Ulcers, Urticaria.

6512-69

HEPATIC LESIONS IN THE RABBIT CAUSED BY VIBRIO SP. (POR)

A F P de Castro W Giorgi O C Filho

Biologico 33(8):184-186

Aug 1967 442.8 B529

Histology, Liver, Rabbits, Vibrio. English abstract.

6513-69

RECENT TECHNIQUES FOR SERODIAGNOSIS OF HUMAN AND ANIMAL HYDATIDOSIS. IV. TEST WITH SENSITIZED PARTICALS OF LATEX. (SP)

J G Castro

Rev Iberica Parasitol 28(3, JUL-SEP):349-365

Sep 1968 436.8 R32

Animal diseases, Echinococcosis, Latex, Methodology, Serodiagnosis.

6514-69

MAGNETIC PROBES IN PROPHYLAXIS AND THERAPY OF TRAUMATIC RETICULO-PERITONITIS IN CATTLE. (CZ)

Z Cech

Veterinarstvi 18(8):366-369

1968 41.8 V6439

Cattle, Injuries, Magnets, Peritonitis, Reticulum, Therapeutics.

6515-69

A BRUCELLA OVIS ANTIGEN FOR THE SKIN TEST OF OVINE GENITAL BRUCELLOSIS. (SP)

V C F Cedro H O Cisale L M E De Benedetti

Argent Reput Inst Nac Zoonosis Ser Tec (N s)(27):11-18

1964 41.9 AR36

Antigens, Bacterial diseases (animals), Brucella ovis, Brucellosis, Epididymitis, Reproductive organs, Sheep, Skin tests. English summary.

Reprint from: Revista de Investigaciones Agropecuarias, (ser 4)1(2).

6516-69

METHODS OF SEROLOGICAL DIAGNOSIS IN CAPRINE BRUCELLOSIS. A COMPARATIVE STUDY. (SP)

V C F Cedro H O Cisale R A Maubecin L M E De Benedetti

Argent Reput Inst Nac Zoonosis Ser Tec (N s)(13):69-77

1962 41.9 AR36

Antigens, Bacterial diseases (animals), Blood plasma, Brucellosis, Chickens, Diagnosis, Poultry diseases. English, French and German summaries. reprint from: Revista de Investigaciones ganaderas, (13).

- 6517-69**
IMMUNE RESPONSE OF CHICKENS TO SIX STRAINS OF NEWCASTLE DISEASE VIRUS AS MEASURED BY HEMAGGLUTINATION-INHIBITION TEST.
 P W Chang V J Yates J A Pendleton T D Flanagan
Avian Dis 13(1):46-52
 Feb 1969 41.8 AV5
 Antibodies, Chickens, Hemagglutination-inhibition test, Hydracrylic acid beta-lactone, Immunization, Newcastle disease, Poultry diseases, Vaccines, Variance analysis, Virology, Virus diseases (animals).
- 6518-69**
INFLUENCES OF AN ANTI-OVULATORY COMPOUND ON THE EXPRESSION OF VITAMIN D DEFICIENCY SIGNS IN LAYING HENS.
 S I Chang J McGinnis M H Pubols
Poultry Sci 48(1):154-159 REF
 Jan 1969 47.8 AM33P
 Animal nutrition, Chickens, Deficiency diseases, Eggs, Estrogens, Ovulation, Vitamin d.
- 6519-69**
RABIES, DISEASE OF TODAY. ITS NEW ETIOLOGICAL AND EPIDEMIOLOGICAL ASPECTS. (FR)
 G E Chappuis
Alfort Ecole Nat Vet These (86):59P REF
 1967 41.2 AL23
 Disease transmission, Epidemiology, Rabies, Virology, Virus diseases (animals), Wildlife diseases.
- 6520-69**
THE ORGANIZATION OF THE COLLECTIVE PROPHYLAXIS OF INFECTIOUS ANIMAL DISEASES IN FRANCE. (FR)
 A Chossouery
Alfort Ecole Nat Vet These (83):101P REF
 1968 41.2 AL23
 Animal diseases, Epizootic diseases, Infectious diseases, Legislation, Organizations, Preventive medicine, Veterinary medicine.
- 6521-69**
VACCINATION OF BULLS AGAINST BOVINE VIBRIOSIS.
 B L Clark J H Dufty M J Monsborough
Australian Vet J 44(11):530
 Nov 1968 41.8 AU72
 Bulls, Cattle, Immunization, Livestock diseases, *Vibrio fetus*, Vibriosis.
- 6522-69**
THE CELLULAR SITE OF VIRUS REPLICATION IN THE INTESTINE OF CHICKS INFECTED WITH AN AVIAN ADENOVIRUS.
 D I Clemmer H Ichinose
Arch Gesamte Virusforsch 25(3-4):277-287 REF
 Dec 1968 44.8 AR23
 Adenoviruses, Chicks, Fluorescence microscopy, Intestines.
- 6523-69**
THE IMMUNITY INDUCED IN CATTLE AND SHEEP BY INOCULATION OF NEUROTROPIC OR PANTROPIC RIFT VALLEY FEVER VIRUSES.
 W Coackley A Pini D Gosden
Res Vet Sci 8(4):406-414
 Oct 1967 41.8 R312
 Antibodies, Cattle, Immunization, Livestock diseases, Rift valley fever, Sheep, Virus diseases (animals).
- 6524-69**
EXPERIMENTAL INFECTION OF CATTLE WITH PANTROPIC RIFT VALLEY FEVER VIRUS.
 W Coackley A Pini D Gosden
Res Vet Sci 8(4):399-405
 Oct 1967 41.8 R312
 Cattle, Livestock diseases, Rift valley fever, Serum neutralization test, Virus diseases (animals).
- 6525-69**
PROMAZINE HYDROCHLORIDE IN EN-DOTOXIN SHOCK IN A HORSE (A CASE REPORT).
 J R Coffman W J Bracken
Vet Med/Small Anim Clin 63(10):963-966
 Oct 1968 41.8 M69
 Abdomen, Drug therapy, Horses, Livestock diseases, Promazine hydrochloride, Shock.
- 6526-69**
GLUCOSE-DEPENDENT SECRETION AND DESTRUCTION OF HYDROGEN PEROXIDE BY MYCOPLASMA PNEUMONIAE.
 G Cohen N L Somerson
J Bacteriol 98(2):547-551 REF
 May 1969 44.8 J82
 Biochemistry, Culture media, Glucose, Hydrogen peroxide, Metabolism, Mycoplasma gallisepticum, Mycoplasma pneumoniae.
- 6527-69**
STRAIN VARIATION IN THE RESPONSE OF HAEMONCHUS CONTORTUS IN SHEEP AND GOATS GIVEN PHENOTHIAZINE: EFFICACY OF N. F. AND PURIFIED PRODUCTS ON PURE PARASITIC INFECTIONS.
 M L Colglazier F D Enzie R P Lehman
Amer J Vet Res 28(127):1711-1722 REF
 Nov 1967 41.8 AM3A
 Goats, Haemonchus contortus, Phenothiazine, Sheep.
- 6528-69**
CROSS-PROTECTION AGAINST SALMONELLA ENTERITIDIS INFECTION IN MICE.
 F M Collins
J Bacteriol (4):1343-1349 REF
 Apr 1968 44.8 J82
 Animal diseases, Immunization, Mice, Proteus, Pseudomonas aeruginosa, Salmonella enteritidis, Serratia marcescens.
- 6529-69**
RINGWORM DUE TO TRICHOPHYTON MENTAGROPHYTES IN A DOG.
 M D Connole
Australian Vet J 44(11):528
 Nov 1968 41.8 AU72
 Dogs, Ringworm, Trichophyton mentagrophytes.
- 6530-69**
EXPERIMENTAL EXPOSURE OF DEER TO CALIFORNIA ENCEPHALITIS VIRUS.
 R S Cook D O Trainer
Wildlife Dis Ass Bull 5(1):3-7
 Jan 1969 41.9 W64B
 Anamnestic reaction, Antibodies, California encephalitis virus, Deer, Virology, Virus diseases (animals).
- 6531-69**
LEPTOSPIROSIS ICTERCHAEMORRHAGIAE IN DOGS IN TASMANIA.
 A Corbould
Australian Vet J 44(11):529
 Nov 1968 41.8 AU72
 Animal diseases, Dogs, Leptospira icterohaemorrhagiae, Leptospirosis, Serological tests.
- 6532-69**
LISTERIOSIS IN SHEEP - OBSERVATIONS ON AN OUTBREAK IN ROMAGNA. (IT)
 A Corrado R Graziani
Nuova Vet 44(4,JUL-AUG):264-273 REF
 Jul 1968 41.8 N922
 Drug therapy, Epidemiology, Furazolidone, Listeriosis, Livestock diseases, Sheep. French, English and German summaries.
- 6533-69**
MORE ABSTRACTS OF PAPERS PRESENTED AT THE 1967 ANNUAL WILDLIFE DISEASE CONFERENCE URBANA, ILLINOIS JUNE 15-16, 1967.
 G E Cosgrove P B Dunaway T P O'Farrell J A Payne H E Childs
Wildlife Dis Ass Bull 3(3):117
 Jul 1967 41.9 W64B
 Abstracting, Histology, Mammals, Radioactivity, Research, Wildlife diseases.
- 6534-69**
VACCINATION OF THE HORSE FOR EQUINE INFLUENZA WITH AN UNCOMPLEMENTED POLYVALENT VACCINE. (FR)
 P Cottereau H G Petermann
*Rev Med Vet (toulouse) (N s 32)*120(1):17-29 REF
 Jan 1969 41.8 R32
 Equine influenza, Horses, Immunization, Serum neutralization test, Vaccines, Virus diseases (animals). English, German, and Spanish summaries.
- 6535-69**
URINE PH CHANGES IN CATTLE INFECTED WITH FOOT-AND-MOUTH DISEASE VIRUS.
 G E Cottral P Gailiunas
Cornell Vet 59(2):249-258 REF
 Apr 1969 41.8 C81
 Cattle, Foot-and-mouth disease virus, Hydrogen ion concentration, Livestock diseases, Metabolism, Urine.
- 6536-69**
TUMOR LOCALIZING AGENTS VI. RADIOIODINATED ANALOGS OF DICHLORODIPHENYLDICHLOROETHANE (DDD).
 R E Counsell V V Ranade P Poeha R E Willette W DiGuilio
J Pharmaceutical Sci 57(10):1657-1661
 Oct 1968 39.8 J825
 Chlorinated hydrocarbons, Chlorination, Iodides, Laboratory animals, Neoplasms, Radioactivity, Rats, Synthesis, Tissue culture, TDE.
- 6537-69**
OBSERVATIONS ON THE CAUSES OF CHRONIC BLOATING IN YOUNG CATTLE. (RUM)
 I Cozariuc
Rev Zootech 18(9):69-71
 Sep 1968 49 P943
 Bloat, Cattle, Diagnosis, Feed, Festuca, Livestock diseases, Serratia viridis, Symptomatology.
- 6538-69**
EQUINE INFLUENZA IN MEXICO. ISOLATION AND STUDY OF THE STRAIN E/EQU 2/ MEXICO/1/66. (SP)
 R G Cunha G Gonzalez Lopez L Guzman Mijares
Rev Latinoamer Microbiol Parasitol 10(4,OCT-DEC):197-204 REF
 Dec 1968 44.8 R32
 Epidemiology, Equine influenza, Immunity, Serological tests, Virus diseases (animals). English abstract
- 6539-69**
POLIOENCEPHALOMALACIA: RESPONSE TO THIAMINE TREATMENT IN SHEEP AND A COW.
 F J Daly
Australian Vet J 44(8):394
 Aug 1968 41.8 AU72
 Cattle, Livestock diseases, Polioencephalomalacia, Sheep, Thiamine.
- 6540-69**
RESULTS OF HEMOGLOBIN DETERMINATION IN PIGLETS IN THE FRAMEWORK OF HERD DIAGNOSIS OF PIGLET ANEMIA. (GE)
 H D Dannenberg W D Wesch R Nicbuhr
Monatsh Vet 23(19):737-743 REF
 01 Oct 1968 41.8 M742
 Anemia, Baby pigs, Blood composition, Deficiency diseases, Hemoglobin, Iron, Livestock diseases. English and Russian summaries.
- 6541-69**
EVIDENCE OF LACTATE DEHYDROGENASE IN ANAPLASMA MARGINALE.
 D L Darre W R Wallace G T Dimopoulos
J Bacteriol 93(3):806-810 REF
 Mar 1967 44.8 J82

6542-69

Anaplasma marginalis, Biochemistry, Biological assay, Electrophoresis, Enzymes, Lactate dehydrogenase.

6542-69

STUDY OF THE VIRULENCE OF CONTAGIOUS BOVINE PLEUROPNEUMONIA ORGANISM (ASSAM STRAIN) ON SUBCUTANEOUS PATHOGENICITY TEST.

C Das

Indian Vet J 45(10):816-818

Oct 1968 41.8 IN2

Cattle, Livestock diseases, Microorganisms, Pleuropneumonia, Vaccines.

6543-69

THE EFFECT OF FURAN SERIES' CARBOXYLIC ACID N, N-BIS-(2-CHLOROETHYL) HYDRAZIDES AND N, N-BIS-(2-CHLORODETHYL) AMIDES ON THE GROWTH OF TRANSPLANTABLE TUMOURS AND HAEMATOPOIESIS OF RATS AND MICE. (RUS)

A Dauvarte A Zidcman

Lav P Sr Zinat Akad Vestis 7(240):144-149

1967 511 R442

Amines, Carboxylic acids, Furan, Hematopoiesis, Laboratory animals, Neoplasms, Nitrofurans. English summary.

6544-69

DISEASE PREVENTION IN THE PIGGERY.

P G Davenport

Lincoln Coll Farmers Conf Proc 18:125-127

1968 27 L63

Animal husbandry, Disease control, Farm management, Livestock diseases, Regulations, Swine, Vaccines.

6545-69

IMMUNOFLUORESCENCE IDENTIFICATION OF MYCOPLASMA ON AGAR BY USE OF INCIDENT ILLUMINATION.

R A Del Giudice N F Robillard T R Carski

J Bacteriol 93(4):1205-1209 REF

Apr 1967 448.3 J82

Agar, Fluorescent antibody technic, Mycoplasma.

6546-69

VIRAL LUNG DISEASES OF THE CAT. (FR)

H. Delsoy

Lyon Ecole Nat Vet These (68):97P REF

1967 41.2 L99

Cats, Coryza, Lungs, Respiratory diseases, Virus diseases (animals).

6547-69

AEROBIC AGENTS OF ANIMAL ACTINOMYCOSIS. (RUS)

T A Derevleva T G Suteeva

Veterinariya (12):60-63

Dec 1968 41.8 V6426

Actinomycosis, Aerobic bacteria, Microbiology.

6548-69

AVIAN REOVIRUSES. IV. RELATIONSHIP TO HUMAN REOVIRUSES.

D R Deshmukh H I Sayed B S Pomcroy

Avian Dis 13(1):16-22

Feb 1969 41.8 AV5

Agar, Chicks, Complement fixation, Gels, Hemagglutination, Hemagglutination-inhibition test, Human diseases, Mice, Reoviruses, Serum neutralization test, Virology, Virus diseases (animals).

6549-69

JOHNE'S DISEASE. II. THE PATHOGENIC AGENT, SUSCEPTIBLE SPECIES AND METHOD OF INFECTION. (FR)

M Desmocht

Ann Med Vet 112(8):689-698 REF

Dec 1968 41.8 AN78

Disease transmission, Feed toxicity, Johne's disease, Mycobacterium johnei. English and Flemish summaries.

6550-69

TRYPANOTOLERANT CATTLE, BREEDING IN CENTRAL AFRICAN REPUBLIC. (FR)

J Desrotour P Finelle P Martin E Sinodinos

Rev Elevage Med Vet Pays Trop 20(4):589-594

1967 41.8 R3262

Animal breeding, Cattle, Immunity, Livestock diseases, Trypanosomiasis, Zebu cattle. Spanish and English summaries.

6551-69

CONTRIBUTION TO THE STUDY OF PROPHYLAXIS OF BOVINE PNEUMONIA IN THE REPUBLIC OF HAUTE-VOLTA. (FR)

S Diallo

Lyon Ecole Nat Vet These 8:96 P. MAP REF

18 Jan 1967 41.2 L99

Animal diseases, Cattle, Epidemiology, Pneumonia, Research.

6552-69

USE OF POTASSIUM IODIDE IN THE TREATMENT OF OVARIAN CYSTS IN COWS. (BU)

G Djambazov K Burzinski

Vet Med Nauk 5(7):89-94 REF

1968 41.8 V6468

Cattle, Dosage, Drug therapy, Livestock diseases, Metritis, Ovarian cysts, Potassium iodide, Procaine. English and Russian summaries.

6553-69

CHARACTERIZATION OF A CYTOPLASMIC FRACTION FROM SINDBIS VIRUS-INFECTED CULTURES.

P Dobos P Faulkner

Can J Microbiol 15(2):215-222 REF

Feb 1969 448.8 C162

Cells, Cytoplasm, Properties, Ribonucleic acid, Sindbis virus, Virus diseases (animals).

6554-69

PANCREATIC ENZYMES INITIATING EXCYSTATION OF EIMERIA ACERVULINA SPOOROZOITES.

D J Doran

Helminthol Soc Wash Proc 33(1):42-43

Jan 1966 436.9 H36

Biochemistry, Carboxypeptidases, Chymotrypsin, Coccidiosis, Cysts, Eimeria acervulina, Enzymes, Lipases, Trypsin.

Trypsin and chymotrypsin in the presence of chicken bile induced excystation of Eimeria acervulina sporozoites from liberated sporocysts.

6555-69

LOCATION AND TIME OF PENETRATION OF DUODENAL EPITHELIAL CELLS BY EIMERIA ACERVULINA SPOOROZOITES.

D J Doran

Helminthol Soc Wash Proc 33(1):43-46

Jan 1966 436.9 H36

Chickens, Duodenum, Eimeria acervulina, Penetration, Poultry diseases.

Eimeria acervulina sporozoites penetrated the villar epithelium as early as 10 min. after the chickens had been fed oocysts. The time of greatest penetration was at one hour. Most sporozoites penetrated a length of the duodenum extending from a point just before the curvature of the loop begins to about 2.5 cm. from where the pancreatic duct enters.

6556-69

SITES OF AVIAN LEUKOSIS VIRUS MULTIPLICATION IN CONGENITALLY INFECTED CHICKENS.

R M Dougherty H S Di Stefano

Cancer Res 27(2,PT 1):322-332 REF

Feb 1967 448.8 C16

Avian leukosis complex viruses, Chickens, Electron microscopy, Histology, Physiology.

6557-69

TYPE C BOTULISM IN A DOVE (STREPTOPELIA ROSEGRISEA BORNUENSIS) FROM FERLO (SENEGAL). (FR)

M P Doutré

Rev Elevage Med Vet Pays Trop 20(4):601-604

REF

1967 41.8 R3262

Botulism, Clostridium botulinum, Diptera, Feeding, Larvae, Pigeons, Pupae. English and Spanish summaries.

Feeding on fly larvae and pupae a possible source of infection

6558-69

CONTRIBUTION TO THE IMPORTANCE OF INOCULATION AGAINST HOG CHOLERA AS A MEASURE FOR ERADICATION OF THIS INFECTION IN YUGOSLAVIA. (SE)

R Draskovic

Vet Glas 22(10):871-875 REF

1968 41.8 J93

Eradiation, Hog cholera, Immunization, Livestock diseases, Virus diseases (animals).

6559-69

TREATMENT OF ANAL TUMORS WITH HONVAN-ASTA. (GE)

R Dufait

Kleintier-praxis 13(3):74-75

Apr 1968 41.8 K67

Adenoma, Anus, Carcinoma, Diethylstilbestrol 4,4'-diphosphoric ester, Dogs, Drug therapy, Injections. English and French summary.

6560-69

FINANCING OF MEASURES FOR PREVENTION AND CONTROL OF ANIMAL INFECTIONS IN THE REPUBLIC OF MACEDONIA. (SE)

A Dzekov

Vet Glas 22(10):833-839

1968 41.8 J93

Agricultural finance, Animal diseases, Costs, Disease control.

6561-69

PARENTERAL CHEMOTHERAPY OF OVINE FOOT-ROT.

J R Egerton I M Parsonson N P H Graham

Australian Vet J 44(6):275-283 REF

Jun 1968 41.8 AU72

Antibiotics, Dihydrostreptomycin, Dosage, Drug therapy, Environment, Foot rot (animals), Fusiformis nodosus, Livestock diseases, Penicillin, Sheep.

6562-69

BEHAVIOR OF EQUINE INFECTIOUS ANEMIA VIRUS IN CELL CULTURE AND DEVELOPMENT OF A DIAGNOSTIC TEST FOR THE DISEASE.

A ElZein W L Myers D Segre

J Infect Dis 118(5):473-480 REF

Dec 1968 448.8 J821

Biological assay, Culture media, Equine infectious anemia, Livestock diseases, Serum, Symptomatology, Tissue culture, Virology, Virus diseases (animals).

6563-69

INFECTIOUS DISEASE REVIEW: NEWER CONCEPTS OF RABIES.

J B Emery

Pract Vet 41(1):13-16 REF

1969 41.8 AL5

Bats, Central nervous system, Disease transmission, Epidemiology, Human diseases, Infectious diseases, Rabies, Virology, Virus diseases (animals).

6564-69

INDUCTION OF LUNG ADENOMATOSIS (JAAGZIEKTE) IN SHEEP. II. (BU)

S Enchev

Vet Med Nauk 5(3):13-24

1968 41.8 V6468

Livestock diseases, Pulmonary adenomatosis, Sheep, Virus diseases (animals). English and Russian summaries.

6565-69

CHRONIC PANLEUKOPENIA IN CATS. (GE)

H K Englert

Kleintier-praxis 13(3):61-62

Apr 1968 41.8 K67

Cats, Feline infectious enteritis, Neoplasms, Viscera.

- 6566-69**
A CONTRIBUTION TO THE KNOWLEDGE OF TROPHISM IN RABIES VIRUS. (FR)
 D Ercogovac M Costoglu
Rec Med Vet 144(10):951-961 REF
 Oct 1968 41.8 R24
 Myxoviruses, Neoplastic diseases, Rabies virus, Rats.
- 6567-69**
APPLICATION OF THE AGAR GEL TECHNIQUE IN THE DIAGNOSIS OF INFECTIOUS BOVINE RHINOTRACHEITIS.
 L A Estcla
Amer J Vet Res 28(12):1903-1904
 Nov 1967 41.8 AM3A
 Agar, Bovine rhinotracheitis virus, Cattle, Diagnosis, Gels, Methodology.
- 6568-69**
FAMILIAL NONSPHEROCYTIC HEMOLYTIC ANEMIA OF BASENJI DOGS.
 G O Ewing
Amer Vet Med Ass J 154(5):503-507
 01 Mar 1969 41.8 AM3
 Diagnosis, Dogs, Hematologic diseases, Hemolytic anemia.
- 6569-69**
PROPERTIES OF PASTEURILLA ORGANISMS ISOLATED FROM BIRDS FED ANTIBIOTICS FOR A LONG PERIOD. (RUS)
 V I Ezhov
Veterinariya (12):65-66
 Dec 1968 41.8 V6426
 Animal nutrition, Antibiotics, Birds, Pasteurella, Properties.
- 6570-69**
A NEW ANTIBIOTIC: GENTAMICIN SULPHATE IN PSEUDOMONIASIS BY PSEUDOMONAS AERUGINOSA IN CHINCHILLA LANIGER. (IT)
 V Favati M Marranghini
Zooprofilassi 23(6/7,JUN-JUL):277-286 REF
 1968 41.8 Z72
 Antibiotics, Chinchillas, Drug therapy, Fungus diseases (animals), Gentamicin sulfate, Pseudomonas aeruginosa. English and French summaries.
- 6571-69**
ROECKL GRANULOMA WITH AN EXCESSIVELY TESTICULAR LOCALIZATION. (IT)
 M Fedrigo
Pisa Univ Stud Fac Med Vet Ann 20:169-176 REF
 1967 41.9 P67
 Bulls, Fungi, Granuloma, Livestock diseases, Testes. English and French summaries.
- 6572-69**
CHARACTERIZATION OF BOVINE VIRAL DIARRHEA VIRUSES. II. ULTRAFILTRATION PROPERTIES OF DIFFERENT STRAINS AFTER VARIOUS TREATMENTS.
 A L Fernelius
Arch Gesamte Virusforsch 25(2):219-226
 Dec 1968 448.3 AR23
 Biophysics, Bovine virus diarrhea virus, Filters.
- 6573-69**
CHARACTERIZATION OF BOVINE VIRAL DIARRHEA VIRUSES. III. PARTIAL PURIFICATION BY AGAR GEL FILTRATION.
 A L Fernelius L F Velicer
Arch Gesamte Virusforsch 25(2):227-234 REF
 Dec 1968 448.3 AR23
 Agar, Bovine virus diarrhea virus, Filters.
- 6574-69**
CHARACTERIZATION OF BOVINE VIRAL DIARRHEA VIRUSES. I. DETERMINATION OF BUOYANT DENSITY.
 A L Fernelius
Arch Gesamte Virusforsch 25(2):211-218 REF
 Dec 1968 448.3 AR23
 Bovine virus diarrhea virus, Centrifugation, Density, Electron microscopy.
- 6575-69**
SUSCEPTIBILITY OF SCRAPIE AGENT TO IONIZING RADIATION.
 E J Field F Farmer E A Caspary G Joyce
Nature 222(5188):90-91
 05 Apr 1969 472 N21
 Livestock diseases, Nucleic acids, Radiation, Scrapie, Shecp, Virology, Virus diseases (animals).
- 6576-69**
INFLUENCE OF SYNTHETIC INSECT T. C. MEDIUM ON THE SURVIVAL OF MALARIA SPOOROZOITES IN VITRO (PLASMODIUM BERGHEI YOELI AND P. CATHEMERIUM).
 E Fink E Schicha
Z Parasitenk 32(1):93-94
 14 Apr 1969 442.8 Z33F
 Culture media, Insects, Physiology, Plasmodium, Tissue culture.
- 6577-69**
FOUR CASES OF SYSTEMIC MYCOSIS IN CERVIDS.
 A L Fletch R C Anderson
Wildlife Dis Ass Bull 5(1):12-15
 Jan 1969 41.9 W64B
 Animal histology, Aspergillus fumigatus, Fungus diseases (animals), Mycosis, Ruminants, Wildlife diseases.
- 6578-69**
CONTROLLING BLOAT IN CATTLE GRAZING CLOVER.
 L E Foote J E Johnston J Rainey R E Girouard W H Willis
La Agr Exp Sta Bull (629):28P REF
 Aug 1968 100 L 93 (1)
 Antibiotics, Bloat, Cattle, Clover, Drug therapy, Grazing, Penicillin, Surface-active agents.
- 6579-69**
A PROPOSED METHOD OF PREMUNIZING CATTLE WITH MINIMUM INOCULA OF ANAPLASMA MARGINALE.
 T E Franklin J W Huff
Res Vet Sci 8(4):415-418 REF
 Oct 1967 41.8 R312
 Anaplasma marginale, Anaplasmosis, Cattle, Immunization, Livestock diseases.
- 6580-69**
DISTRIBUTION OF EXPERIMENTALLY INDUCED SCRAPIE LESIONS IN THE BRAIN.
 H Frascr A G Dickinson
Nature 216(5122):1310-1311
 30 Dec 1967 472 N21
 Animal histology, Brain, Central nervous system, Laboratory animals, Livestock diseases, Microscopy, Virus diseases (animals).
- 6581-69**
LOCOWEED POISONING.
 B Freeman
Ariz Cattlelog 28(7):17-18
 Mar 1969 43.8 AR42
 Animal nutrition, Astragalus, Cattle, Chemical control (weeds), D, 2,4-, Herbicides, Phenoxy acid compounds, Plant geography, Poisonous plants, Toxicology.
- 6582-69**
TOXOPLASMA GONDII: FECAL FORMS SEPARATED FROM EGGS OF THE NEMATODE TOXOCARA CATI.
 J K Frenkel J P Dubey N L Miller
Science 164(3878):432-433 REF
 25 Apr 1969 470 SC12
 Animal vectors, Bacterial diseases (animals), Cats, Disease transmission, Excretion, Feces, Toxocara cati, Toxoplasma gondii, Toxoplasmosis.
- 6583-69**
A COMPLEMENT FIXATION TEST FOR THE STUDY OF AVIAN MYCOPLASMA.
 M L Frey R P Hanson
Avian Dis 13(1):185-197 REF
 Feb 1969 41.8 AV5
- Antigens, Complement fixation, Microscopy, Mycoplasma, Poultry diseases, Tissue culture.
- 6584-69**
OUTBREAK OF ORNITHOSIS IN A FLOCK OF CARRIER PIGEONS IN COPENHAGEN. (DA)
 N F Friis
Nord Veterinaarmed 20(10):521-526 REF
 Oct 1968 41.8 N813
 Epidemiology, Miyagawanella group viruses, Ornithosis, Pigeons, Respiratory system, Serological tests, Symptomatology, Virus diseases (animals). English and German summaries.
- 6585-69**
EFFECTS OF PENICILLIN AND GLYCINE ON CELL WALL GLYCOPEPTIDES OF THE TWO VARIETIES OF VIBRIO FETUS.
 P H Fung A J Winter
J Bacteriol 96(6):1889-1894 REF
 Dec 1968 448.3 J82
 Biochemistry, Cell wall, Glycine, Glycopeptides, Penicillin, Vibrio fetus.
- 6586-69**
HEPATOCELLULAR CARCINOMA IN THE DOG. (GE)
 P Gabraschanski A Dschurov C Georgiev
Kleintier-praxis 13(3):62-65
 Apr 1968 41.8 K67
 Carcinoma, Cells, Dogs, Duodenum, Gallbladder, Liver, Microscopy.
- 6587-69**
MICROSCOPIC SKIN LESIONS IN CATTLE WITH FOOT-AND-MOUTH DISEASE.
 P Gailunas
Arch Gesamte Virusforsch 25(2):188-200 REF
 Dec 1968 448.3 AR23
 Animal histology, Cattle, Foot-and-mouth disease, Skin.
- 6588-69**
NEWCASTLE DISEASE IN FRANCOLINUS FRANCOLINUS, FRANCOLINUS PONDICERIANUS AND IN BAMBUSCIOLA THORACICA. (IT)
 G Galli D Cessi
Clin Vet 91(9):269-273
 Sep 1968 41.8 C61
 Game birds, Hemagglutination-inhibition test, Newcastle disease, Poultry diseases, Serum neutralization test, Virus diseases (animals). English summary.
- 6589-69**
ARBOVIRUS-ERYTHROCYTE INTERACTION. ADSORPTION, ELUTION AND NEUTRALIZATION OF VIRUS.
 G A Garabedian A M Matossian T P Zacharia
Arch Gesamte Virusforsch 25(3-4):247-254 REF
 Dec 1968 448.3 AR23
 Adsorption, Arboviruses, Erythrocytes, Geese, Immunology, Serum, Virus diseases (animals).
- 6590-69**
FURTHER STUDIES ON AVIAN BILIARY CIRRHOSIS WITH PARTICULAR REFERENCE TO AETIOLOGY.
 M R Gardiner
Australian Vet J 44(11):512-515 REF
 Nov 1968 41.8 AU72
 Bile ducts, Bone meal, Cirrhosis, Feed, Poultry diseases, Sodium pentachlorophenate, Vitamin a.
- 6591-69**
FUNGAL FLORA OF THE AVIAN RESPIRATORY TRACT.
 D N Garg M S Sethi
Poultry Sci 48(1):339-341
 Jan 1969 47.8 AM33P
 Fungus diseases (animals), Mycosis, Poultry, Respiratory diseases. Many fungi harmful to poultry are discussed.

6592-69

6592-69
THE EFFECT OF ANTIBIOTICS ON THE IMMUNITY DEVELOPMENT TO PASTEURELLOSI IN SWINE. (RUS)

V F Gerzin V F Kovalev
Veterinariya (12):63-64
Dec 1968 41.8 V6426
Antibiotics, Drug therapy, Immunity, Livestock diseases, Swine plague.

6593-69

BOVINE RESPIRATORY DISEASE, DIAGNOSIS AND CONTROL.

W J Gibbons
Mod Vet Pract 50(3):38-39,42-43
Mar 1969 41.8 N812
Cattle, Diagnosis, Disease control, Etiology, Immunization, Infectious bovine rhinotracheitis virus, Livestock diseases, Malignant catarrh, Pneumonia, Respiratory diseases, Scours, Shipping fever, Virus diseases (animals).

6594-69

FELINE INFECTIOUS ANEMIA (HAEMOBARTENELLA FELIS) DIAGNOSIS AND TREATMENT.

A P Gilbride
Norden News 44(1,WINTER):14-17
1969 41.8 N75
Anemia, Antibiotics, Cats, Diagnosis, Disease transmission, Drug therapy, Insect vectors, Microorganisms, Siphonaptera.

6595-69

SOME OBSERVATIONS ON MAREK'S DISEASE (FOWL PARALYSIS).

W M Goodchild
Vet Rec 84(4):87-89
25 Jan 1969 41.8 V641
Autopsies, Avian lymphomatosis, Chickens, Microscopy, Nerves, Poultry diseases.

6596-69

ERGOT POISONING OF CATTLE GRAZING DALLISGRASS.

D E Goodwin
Amer Vet Med Ass J 151(2):204-205
15 Jul 1967 41.8 AM3
Cattle, Claviceps paspali, Fungus diseases (plants), Paspalum dilatatum, Pathology, Poisonous plants.

6597-69

CHARACTERIZATION OF MYCOPLASMA SUIPNEUMONIAE A MYCOPLASMA CAUSING ENZOOTIC PNEUMONIA OF PIGS.

R F W Goodwin A P Pomeroy P Whittlestone
J Hyg 65(1):85-96 REF
Mar 1967 449.8 J82
Mycoplasma suis pneumoniae, Serological tests, Swine.

6598-69

THE APPLICATION OF ULTRASOUND IN THE TREATMENT OF MASTITIS IN COWS. (BU)

H Goranov A Tsvetkov
Vet Med Nauk 5(5):75-81 REF
1968 41.8 V6468
Antibiotics, Cattle, Livestock diseases, Mastitis, Milk production, Ultrasonic waves. English and Russian summaries.

6599-69

RELATIONSHIPS OF X-IRRADIATION TO THE ENHANCEMENT OF CANDIDA ALBICANS INFECTIONS.

R S Gordec P J Simpson
J Bacteriol 94(1):6-12 REF
Jul 1967 448.3 J82
Animal diseases, Blood cells, Candida albicans, Mice, Mycosis, X-rays.

6600-69

CLINICAL OBSERVATION OF EXPERIMENTAL PSEUDORABIES IN MINK AND FERRETS.

H Goto J R Gorham K W Hagen
Jap J Vet Sci 30(5):257-263 REF
Oct 1968 41.8 J27

Dosage, Ferrets, Minks, Pseudorabies, Pseudorabies virus, Rabbits, Virus diseases (animals). Japanese summary.

6601-69

SUSPECTED PRIMARY HYPERPARATHYROIDISM IN THE DOG.

B E Goulden C P MacKenzie
New Zeal Vet J 16(8/9,AUG-SEP):131-140 REF
1968 41.8 N483

Adenoma, Animal diseases, Animal physiology, Dogs, Hyperparathyroidism, Renal osteodystrophy, Serological tests, Veterinary medicine.

6602-69

SOURCES OF TOLERANCE TO SOIL-BORNE OAT MOSAIC VIRUS FROM THE WORLD OAT COLLECTION.

D Graham W P Byrd G C Kingsland
Crop Sci 9(3,MAY-JUN):321-322
May 1969 64.8 C883
Mosaic, Oats, Plant disease resistance, Soil-borne plant diseases, Virus diseases (plants).

6603-69

THE TREATMENT OF COCCIDIOSIS IN DOMESTIC RUMINANTS WITH AMPROLIUM. (FR)

S Gretillet G Vassiliades
Rev Elevage Med Vet Pays Trop (N s)21(2):191-201
1968 41.8 R3262
Amprolium, Coccidiosis, Drug therapy, Infectious diseases, Livestock diseases, Ruminants. English and Spanish summaries.

6604-69

THE OLFACATORY BULB LESION IN THE HIBERNATING SQUIRREL (CITELLUS LATERALIS) INFECTED WITH COXSACKIEVIRUS B-3. I. VIRUS ASSAY, LIGHT MICROSCOPIC AND IMMUNOFLOUORESCENT STUDY.

E I Grodums R Siboo
Can J Microbiol 15(2):193-196 REF
Feb 1969 448.8 C162
Antigens, Biological assay, Coxsackie viruses, Hibernation, Immunofluorescence, Microscopy, Smell, Squirrels, Virus diseases (animals).

6605-69

USE OF AMPICILLIN INSTEAD OF STREPTOMYCIN IN SALMONELLA-INFECTED MOUSE PERITONEAL MACROPHAGE CULTURES.

D Groschel R Jakobowich
J Bacteriol 93(3):1199-1200
Mar 1967 448.3 J82
Ampicillin, Animal diseases, Antibiotics, Bacteriology, Salmonella typhimurium, Streptomycin, Tissue culture.

6606-69

SOME OBSERVATIONS OF HYPOMAGNESEMIC TETANY IN CATTLE. (FI)

S Haaranen
Suomen Elainlaakarilehti 74(6):212-223 REF
Jun 1968 41.8 F49
Biochemistry, Blood sugar, Bone ash, Cattle, Glycosuria, Grass tetany, Hyperphosphatemia, Hypocalcemia, Hypomagnesemia, Livestock diseases, Pastures, Temperature, Urine. English summary.

6607-69

MAGNESIUM REQUIREMENT OF THE LAYING HEN FOR REPRODUCTION.

R N Hajj J L Sell
J Nutr 97(4,PT 1):441-448 REF
Apr 1969 389.8 J82
Animal nutrition, Animal physiology, Chickens, Deficiency diseases, Diet, Egg production, Eggs, Liver, Magnesium, Poultry diseases.

6608-69

YEASTS AND YEAST-LIKE FUNGI IN THE GENITAL ORGANS OF COWS AND HEIFERS. V. GENITAL CANDIDIASIS AND ABORTIONS CAUSED BY YEASTS BELONGING TO THE GENERA CANDIDA, TRICHOSPORON AND SACCHAROMYCES. (SL)

M Hajs-g S Topolko
Vet Arh 37(7-8):193-196 REF
1967 41.8 V6416

Abortion, Candida, Cattle, Diagnosis, Fungi, Saccharomyces, Trichosporon, Yeasts. English and french abstracts

6609-69

NUTRITIONAL REQUIREMENTS OF PASTURELLA TULARENSIS FOR GROWTH FROM SMALL INOCULA.

M Halmann M Benedict J Mager
J Gen Microbiol 49(3):451-460
Dec 1967 448.3 J823
Blood, Culture media, Nutrition, Pasteurella tularensis.

6610-69

AN ENDOGENOUSLY PRODUCED SUBSTANCE ESSENTIAL FOR GROWTH INITIATION OF PASTEURILLA TULARENSIS.

M Halmann J Mager
J Gen Microbiol 49(3):461-468 REF
Dec 1967 448.3 J823
Biochemistry, Culture media, Nutrition, Pasteurella tularensis.

6611-69

HEMAGGLUTININ OF RABIES AND SOME OTHER BULLET-SHAPED VIRUSES.

P E Halonen F A Murphy B N Fields D R Reese
Soc Exp Biol Med Proc 127(4):1037-1042 REF
Apr 1968 442.9 SO1
Antigens, Hemagglutination, Myxoviruses, Rabies virus, Serodiagnosis. English abstract

6612-69

GENETIC RESISTANCE TO LEUKOSIS CAUSED BY THE JM VIRUS IN THE FOWL.

F S Han J R Smyth M Sevoian F N Dickinson
Poultry Sci 48(1):76-87 REF
Jan 1969 47.8 AM33P
Animal breeding, Animal genetics, Avian leukosis complex viruses, A vian lymphomatosis, Chickens, Immunity, Poultry diseases.

6613-69

FIELD OBSERVATIONS ON PARENTERAL ANTIBIOTIC TREATMENT OF OVINE FOOT-ROT.

D J Harris
Australian Vet J 44(6):284-286
Jun 1968 41.8 AU72
Antibiotics, Drug therapy, Foot rot, Livestock diseases, Penicillin, Sheep, Streptomycin.

6614-69

THE CHARACTERISTICS OF STAPHYLOCOCCUS AUREUS ISOLATED FROM CASES OF STAPHYLOCOCCOSIS IN POULTRY.

E G Harry
Res Vet Sci 8(4):479-489 REF
Oct 1967 41.8 R312
Antibodies, Chickens, Drug therapy, Ducks, Infectious diseases, Poultry diseases, Staphylococcus aureus, Turkeys.

6615-69

SOME CHARACTERISTICS OF STAPHYLOCOCCUS AUREUS ISOLATED FROM THE SKIN AND UPPER RESPIRATORY TRACT OF DOMESTICATED AND WILD (FERAL) BIRDS.

E G Harry
Res Vet Sci 8(4):490-499 REF
Oct 1967 41.8 R312
Antibiotics, Birds, Chickens, Hemolysins, Penicillin, Poultry diseases, Respiratory system, Skin, Staphylococcus aureus, Tetracycline, Turkeys.

6616-69

ON THE MINERAL CONTENT OF THE SWISS MEADOW FODDER AND ITS RELATIONSHIP TO HERD STERILITY. (GE)

A Hasler
Schweizer Arch Tierbeilk 110(11):543-569 REF
Nov 1968 41.8 SCH9

- D F Kelly
Res Vet Sci 8(4):472-478 REF
Oct 1967 41.8 R312
Inclusion-body rhinitis virus, Injections, Livestock diseases, Swine, Virus diseases (animals).
- 6665-69**
EARLY ANTIBODY RESPONSE IN MICE TO EITHER INFECTION OR IMMUNIZATION WITH SALMONELLA TYPHIMURIUM.
K Kenny M Herzberg
J Bacteriol 93(3):773-778 REF
Mar 1967 448.3 J82
Antibodies, Biochemistry, Immunization, Mice, Salmonella typhimurium, Serological tests.
- 6666-69**
TRANSMISSION OF CLASSICAL MAREK'S DISEASE BY AFFECTED AND CARRIER BIRDS.
S G Kenzy B R Cho
Avian Dis 13(1):211-214
Feb 1969 41.8 AV5
Animal vectors, Avian lymphomatosis, Birds, Chicks, Game fowl, Quail, Sparrows, Virus diseases (animals). Gamefowl chicks were used.
- 6667-69**
ZOONOSIS IN INDIA.
S S Khara
Indian Vet J 45(10):811-815 REF
Oct 1968 41.8 IN2
Brucellosis, Escherichia coli, Leptospirosis, Livestock diseases, Rabies, Salmonellosis, Veterinary medicine, Zoonoses.
- 6668-69**
DIAGNOSIS OF COW MASTITIS BASED ON LEUKOCYTE COUNT IN MILK. (RUS)
N M Khilkevich
Veterinariya (12):91-92
Dec 1968 41.8 V6426
Cattle, Diagnosis, Leukocytes, Livestock diseases, Mastitis, Milk.
- 6669-69**
EPERYTHROZONOSIS IN SWINE: A REVIEW.
K Kingsley C M Hibbs
Vet Med/Small Anim Clin 63(10):971-972 REF
Oct 1968 41.8 M69
Antibiotics, Drug therapy, Eperythrozoon suis, Eperythrozoonosis, Livestock diseases, Reviews, Swine.
- 6670-69**
THE EFFECT OF QUATERNARY AMMONIUM COMPOUNDS ON NEWCASTLE DISEASE VIRUS AND PARAINFLUENZA VIRUS. (GE)
H Kirchhoff
Deut Tierarztl Wochensh 75(7):160,163-165 REF
01 Apr 1968 41.8 D482
Myxoviruses, Newcastle disease virus, Parainfluenza-1 virus, Quaternary ammonium compounds, Virology, Virus diseases (animals). English summary.
The ammonium compounds tested were Absonal, Bradosol, Cetyltrimethylammoniumbromid, Phemerol, Quartamon Mcfarol, and Zephirol.
- 6671-69**
ANIMAL LEPTOSPIROSIS IN PRIMORYE. (RUS)
E A Kiryanov
Veterinariya (12):70-72
Dec 1968 41.8 V6426
Animal diseases, Cattle, Leptospirosis.
- 6672-69**
EXPERIMENTAL PARATUBERCULOSIS IN SHEEP AFTER ORAL, INTRATRACHEAL, OR INTRAVENOUS INOCULATION: LESIONS AND DEMONSTRATION OF ETIOLOGIC AGENT.
J P Kluge R S Merkal W S Monlux A B Larsen K E Kopecky F K Ramsey R P Lehmann
Amer J Vet Res 29(5):953-962 REF
May 1968 41.8 AM3A
Histology, Injections, Johne's disease, Mycobacterium paratuberculosis, Sheep.
- 6673-69**
SIMULTANEOUS PROPHYLACTIC VACCINATIONS OF SWINE AGAINST HOG CHOLERA AND PASTEURELLOSIS. (RUS)
V F Klyancenko
Veterinariya (12):74-75
Dec 1968 41.8 V6426
Hog cholera, Immunization, Livestock diseases, Pasteurellosis, Swine.
- 6674-69**
EXPERIMENTAL INFECTION OF THE BAT MYOTIS MYOTIS BORKHAUSEN WITH THE TAHYNA VIRUS.
J M Kolman Z Marhoul D Malkova
J Hyg Epidemiol Microbiol Immunol 11(1):125-126
1967 448.8 J826
Animal vectors, Bats, Serological tests, Tahyna virus.
- 6675-69**
GANGRENOUS MASTITIS IN EWES. II. CHARACTERISTICS OF THE STAPHYLOCOCCI, ISOLATED FROM HEALTHY EWES AND FROM EWES AFFECTED WITH GANGRENOUS MASTITIS. (BU)
G Korukov
Vet Med Nauk 5(8):51-58 REF
1968 41.8 V6468
Bacterial diseases (animals), Bacteriology, Epizootic diseases, Gangrene, Isolates, Mastitis, Sheep, Staphylococci. English and Russian summaries.
- 6676-69**
DIAGNOSIS AND SPREAD OF THE SUBCLINICAL FORMS OF MASTITIS IN COWS. (BU)
L Kostov T Dzhurov
Vet Med Nauk 5(3):51-58 REF
1968 41.8 V6468
Cattle, Diagnosis, Disease transmission, Livestock diseases, Mastitis. English and Russian summaries.
- 6677-69**
CONTROL OF MAREK'S DISEASE BY THE USE OF INOCULATED CHICKEN EMBRYO FIBROBLASTS.
S D Kottaridis R E Luginbuhl
Nature 221(5187):1258-1259 REF
29 Mar 1969 472 N21
Avian lymphomatosis, Chickens, Embryos, Immunity, Interference phenomenon, Poultry diseases, Tissue culture, Virus diseases (animals).
- 6678-69**
MAREK'S DISEASE: A REVIEW.
S D Kottaridis
Worlds Poultry Sci J 25(18JAN-MAR):35-45 REF
1969 47.8 W89
Avian lymphomatosis, Poultry diseases, Reviews, Virus diseases (animals).
- 6679-69**
ABORTION IN CATTLE ASSOCIATED WITH THE FEEDING OF POULTRY LITTER.
D C Kradel L C Griel E W Wickersham
Cornell Vet 59(2):226-235
Apr 1969 41.8 C81
Abortion, Cattle, Feed supplements, Fertilizers, Hormones, Livestock diseases, Manure, Poultry.
- 6680-69**
ARTHRITIS IN CHICKENS DUE TO STAPHYLOCOCCUS AUREUS.
S Krishnaswamy A S Upadhye R D Nanjiah R F Patil
Mysore J Agr Sci 2(3):219-225 REF
1968 S19.M9
Antibiotics, Arthritis, Chickens, Drug therapy, Joint diseases, Poultry diseases, Staphylococcus aureus.
- 6681-69**
THE DETECTION OF THE ECPO VIRUS ANTIGEN IN TISSUE CULTURE WITH THE AID OF FLUORESCENT ANTIBODIES. (BU)
S Kristov V Serbezov
Vet Med Nauk 5(5):29-32
1968 41.8 V6468
Antigens, Baby pigs, Embryos, Enteric cytopathogenic porcine orphan virus, Fluorescent antibody technique, Tissue culture, Virus diseases (animals). English and Russian summaries.
- 6682-69**
ON THE EMPLOYMENT OF EGG YOLK IN IMMUNOFLUORESCENT DIAGNOSIS OF ANTHRAX. (CZ)
V Kubin J Franek
Cesk Epidemiol Mikrobiol Imunol 16(3):152-155
May 1967 448.8 C332
Anthrax, Bacillus anthracis, Diagnosis, Egg yolks, Immunofluorescence. Russian and English abstracts.
- 6683-69**
A FORMALINIZED AND ADJUVANTED RABIES VACCINE OF TISSUE CULTURE ORIGIN.
C J Kucera D C Sandvig A F Johnson
Vet Med/Small Anim Clin 63(10):983
Oct 1968 41.8 M69
Dogs, Immunization, Rabies virus, Tissue culture, Vaccines, Virology, Virus diseases (animals).
- 6684-69**
HISTOLOGIC FEATURES OF ATHEROGENESIS AND AORTIC RUPTURE IN TURKEYS.
H J Kurtz
Amer J Vet Res 30(2):243-249
Feb 1969 41.8 AM3A
Animal histology, Aorta, Atherogenesis, Chickens, Hernia, Poultry diseases, Turkeys, Ulcers.
- 6685-69**
AN INVESTIGATION INTO BOVINE ANAPLASMOSIS WITH COMPLEMENT FIXATION TEST (CFT). (BU)
N Kyurtov Y Dnev P Penev
Vet Med Nauk 5(7):23-27 REF
1968 41.8 V6468
Anaplasma marginale, Anaplasmosis, Antibodies, Antigens, Cattle, Complement fixation, Diagnosis, Livestock diseases. English and Russian summaries.
- 6686-69**
ON PYROPLASMODIAS IN SHEEP AND GOATS. II. RESEARCH INTO ANAPLASMOSIS. (BU)
N Kyurtov
Vet Med Nauk 5(8):81-86 REF
1968 41.8 V6468
Anaplasmosis, Bacterial diseases (animals), Biological assay, Blood tests, Complement fixation, Goats, Microscopy, Piroplasmosis, Sheep, Splenic. English and Russian summaries.
- 6687-69**
STATISTICAL ANALYSIS OF BLOOD SERUM COMPOSITION, URINE EXCRETION LEVELS AND THE OCCURRENCE OF UROLITHIASIS IN SHEEP.
W O Lamprecht J G Darroch H R Crookshank
J Anim Sci 28(5):714-716 REF
May 1969 49 J82
Animal diseases, Blood serum, Excretion, Sheep, Statistical analysis, Urinary calculi, Urolithiasis.
- 6688-69**
CYTOLYTIC PLASMA FACTOR IN EXPERIMENTAL COCCIDIOIDOMYCOSIS.
J W Landau V D Newcomer
J Bacteriol 94(4):919-923 REF
Oct 1967 448.3 J82
Coccidioidomycosis, Cytology, Guinea pigs, Leukocytes, Lysis.

- P K Mellwain F M Bolin
Amer J Vet Res 28(124):885-887
May 1967 41.8 AM3A
Biochemistry, Inflammation, Mycoplasma, Sheep, Testes.
- 6715-69**
VACCINATION OF CATTLE AGAINST EPIZOOTIC BOVINE ABORTION.
D G McKecher E A Robinson E M Wada J K Saito C E Franti
Cornell Vet 59(2):211-226
Apr 1969 41.8 C81
Abortion, Cattle, Epizootic diseases, Immunology, Livestock diseases, Viral vaccines.
- 6716-69**
CAUSE AND PREVENTION OF EPIZOOTIC BOVINE ABORTION.
D G McKecher
Amer Vet Med Ass J 154(10):1192-1196 REF
15 May 1969 41.8 AM3
Abortion, Antibiotics, Cattle, Chlorotetracycline, Diagnosis, Epizootic diseases, Infectious diseases.
- 6717-69**
CASSIA OCCIDENTALIS TOXICOSIS IN CATTLE.
H D Mercer F C Neal J A Himes G T Edds
Amer Vet Med Ass J 151(6):735-741 REF
15 Sep 1967 41.8 AM3
Cassia occidentalis, Cattle, Poisonous plants, Toxicology.
- 6718-69**
ON ANTIBODY METABOLISM IN PIGS AND CALVES, FOLLOWING THE APPLICATION OF HOMOLOGOUS AND HETEROLOGOUS SPECIFIC GAMMA-GLOBULINS. (BU)
K Mermerski K Haralambiev S Simenov M Iotov S Peshev
Vet Med Nauk 5(8):23-29 REF
1968 41.8 V6468
Animal metabolism, Antibodies, Calves, Gamma globulins, Preventive medicine, Pseudorabies, Swine, Virus diseases (animals). English and Russian summaries.
- 6719-69**
ELECTRON MICROSCOPY STUDY OF THE LOCALIZATION OF ANTIGENS IN A VIRULENT AND AN AVIRULENT STRAIN OF FRANCISELLA TULARENSIS, USING MERCURY-LABELLED ANTIBODIES.
I C Mesheryakova L N Katz I B Favlova A Y Kulberg
J Hyg Epidemiol Microbiol Immunol 11(2):147-150
1967 448.8 J826
Antigens, Bacterial diseases (animals), Electron microscopy, Mercury, Pasteurella tularensis, Rabbits, Serological tests.
- 6720-69**
HEREDITY AND BREEDING MEASURES TAKEN AGAINST HIP JOINT DYSPLASIA OF THE DOG. (GE)
H Meyer
Kleintier-praxis 13(2):41-45
Mar 1968 41.8 K67
Animal breeding, Animal genetics, Dogs, Dysplasia, Hereditary diseases, Hip joint.
- 6721-69**
FOOT-AND-MOUTH DISEASE IN ENGLAND.
N L Meyer
Amer Vet Med Ass J 154(10):1226-1229
15 May 1969 41.8 AM3
Agricultural legislation, Cattle, Epizootic diseases, Foot-and-mouth disease, Livestock diseases.
- 6722-69**
A HEMOLYTIC NEONATAL DISEASE IN SWINE ASSOCIATED WITH BLOOD GROUP INCOMPATIBILITY.
R C Meyer B A Rasmusen J Simon
Amer Vet Med Ass J 154(5):531-537 REF
01 Mar 1969 41.8 AM3
Baby pigs, Blood analysis, Blood groups, Hematologic diseases, Hemolytic anemia.
- 6723-69**
DIETARY HEPATIC NECROSIS ASSOCIATED WITH SELENIUM-VITAMIN E DEFICIENCY IN SWINE.
R L Michel C K Whitehair K K Keahey
Amer Vet Med Ass J 155(1):50-59 REF
01 Jul 1969 41.8 AM3
Deficiency diseases, Diet, Necrosis, Selenium, Swine, Vitamin e.
- 6724-69**
THE ISOLATION OF LEPTOSPIRA SEJROE FROM THE KIDNEYS OF ABORTING CATTLE.
S W Michna R S F Campbell M C Path
Vet Rec 84(4):83-86 REF
25 Jan 1969 41.8 V641
Abortion, Antibodies, Brucella abortus, Cattle, Kidneys, Leptospira sejiro, Livestock diseases, Nephritis, Serological tests, Vibrio fetus.
- 6725-69**
SALMONELLOSIS IN SHEEP. I. PRODUCTION OF A COMPLEX ANTIGEN AND SOME OF ITS CHEMICAL AND SEROLOGICAL FEATURES. (BU)
M Milanov
Vet Med Nauk 5(8):7-14 REF
1968 41.8 V6468
Amino acids, Antigens, Bacterial diseases (animals), Chromatography, Saccharides, Salmonellosis, Serological tests, Sheep. English and Russian summaries.
- 6726-69**
ANTICOCCIDIAL ACTIVITY OF SULFADINETHOXINE POTENTIATED MIXTURE (RO 5-0013) IN CHICKENS.
M Mitrovic E G Schildknecht G Fusick
Poultry Sci 48(1):210-216
Jan 1969 47.8 AM33P
Chickens, Coccidiosis, Drug therapy, Feed additives, Poultry diseases, Sulfadimethoxine.
- 6727-69**
SPECIFIC ACTIVATION OF THE PROPERDIN SYSTEM IN ORIENTATION EXPERIMENTS FOR A THERAPEUTIC CONTROL OF BOVINE LEUKOSIS. (GE)
H Mohlmann H Schutzi G Zimmermann
Monatsh Vet 23(18):698-700 REF
15 Sep 1968 41.8 M742
Cattle, Leukosis, Livestock diseases, Properdin, Therapeutics. English and Russian summaries.
- 6728-69**
MYXOVIRUSES OF ANIMALS. (FR)
J P Moine
Alfort Ecole Nat Vet These (69):145P REF
1967 41.2 AL23
Livestock diseases, Myxoviruses, Poultry diseases, Virology, Virus diseases (animals).
- 6729-69**
VIRAL ETIOLOGY OF THE BOVINE LYMPHOLEUKOSIS.
F Montemagno
Acta Med Vet 14(1/2,JAN-APR):3-5
1968 41.8 AC84
Animal histology, Cattle, Diagnosis, Etiology, Hematology, Leukosis, Livestock diseases, Lymph nodes, Virology, Virus diseases (animals).
- 6730-69**
BOVINE BRUCELLOSIS AND INFECTIOUS ABORTION. (SP)
G G Morales
Soc Antioquena Agr Bol Agr (573):11.092-11.094
01 Apr 1968 9.4 SO1
Brucella abortus, Brucellosis, Diagnosis, Human diseases, Immunization, Livestock diseases.
- 6731-69**
TRANSFORMATION OF CHICK FIBROBLAST CULTURES WITH AVIAN MYELOBLASTOSIS VIRUS.
C Moscovici M G Moscovici M Zanetti
J Cell Compar Physiol 73(2):105-108
Apr 1969 444.8 J822
Avian myeloblastosis virus, Chick embryos, Cytology, Tissue culture.
- 6732-69**
CATABOLITE REPRESSION IN ESCHERICHIA COLI. A STUDY OF TOW HYPOTHESES.
V Moses M D Yudkin
Biochem J 110(1):135-142 REF
Nov 1968 382 B52
Bacteria, Enzymes, Escherichia coli, Glucose, Lactose, Metabolism, Mutation, Proteins, Ribonucleic acid, Synthesis, Tables (data).
- 6733-69**
CANINE NOCARDIOSIS DUE TO NOCARDIA CAVIAE.
I E Mostafa L Cerny J Cerna
Rev Elevage Med Vet Pays Trop (N s)21(2):181-189 REF
1968 41.8 R3262
Animal diseases, Animal histology, Dogs, Nocardia caviae, Nocardiosis. French and Spanish summaries.
- 6734-69**
INCIDENCE OF UDDER INFECTIONS ARISING AT VARIOUS STAGES OF LACTATION OF COWS.
E Munch-Petersen
Australian Vet J 44(12):543-549
Dec 1968 41.8 AU72
Antibiotics, Bacterial diseases (animals), Cattle, Epidemiology, Lactation, Livestock diseases, Milk analysis, Udders.
- 6735-69**
ELECTRON MICROSCOPIC OBSERVATIONS OF INCLUSION BODIES IN SWINEPOX. (GE)
M Nakamatsu M Goto M Morita
Jap J Vet Sci 30(5):289-297 REF
Oct 1968 41.8 J27
Electron microscopy, Inclusion bodies, Livestock diseases, Swinepox, Virology, Virus diseases (animals). English summary.
- 6736-69**
EFFECTS OF SALMONELLA SENFTENBERG INJECTION ON CHICKS HATCHED FROM EGGS IN TREATMENT OF TESTOSTERONE PROPIONATE.
T Nakamura H Hashimoto
Hiroshima Univ Fac Fish Anim Husb J 7(2):217-221 REF
Sep 1968 22.5 H6122
Antibiotics, Bacteria, Chicks, Eggs, Hatching, Infectious diseases, Propionates, Salmonella senftenberg, Testosterone. Japanese summary.
- 6737-69**
A NEW INFLUENZA A VIRUS INFECTION IN TURKEYS. IV. EXPERIMENTAL SUSCEPTIBILITY OF DOMESTIC BIRDS TO VIRUS STRAIN TURKEY/ONTARIO 7732/1966.
O Narayan G Lang B T Rouse
Arch Gesamte Virusforsch 26(1-2):149-165 REF
Feb 1969 448.3 A R23
Influenza viruses, Poultry diseases, Turkeys.
- 6738-69**
A NEW INFLUENZA A VIRUS INFECTION IN TURKEYS. V. PATHOLOGY OF THE EXPERIMENTAL DISEASE BY STRAIN TURKEY/ONTARIO 7732/66.
O Narayan G Lang B T Rouse
Arch Gesamte Virusforsch 26(1-2):166-182
Feb 1969 448.3 AR23
Animal histology, Influenza viruses, Poultry diseases, Turkeys.

6739-69

6739-69

METABOLIC SUBSTANCES OF STAPHYLOCOCCUS AUREUS OF BOVINE UDDER ORIGIN - A QUANTITATIVE STUDY.

C Natarajan P R Nilakantan
Indian J Vet Sci Anim Husb 38(3):443-448 REF
Sep 1968 41.8 IN22

Catalase, Cattle, Coagulase, Livestock diseases, Metabolism, Quantitative analysis, Staphylococcus aureus, Udders, Urease, Veterinary medicine.

6740-69

CONTRIBUTION TO THE TRAUMATIC SPLENITIS AND HEPATITIS IN CATTLE. (GE)

B Natschhoff I Simoff
Deut Tierarztl Wochensh 75(20):506-508
15 Oct 1968 41.8 D482

Cattle, Feed, Foreign bodies, Hepatitis, Injuries, Livestock diseases, Spleen, Symptomatology. English summary.

6741-69

SPECIAL REFERENCE TO VIRAL AND P. P. L. O. INFECTIONS.

S K Nigam
Agra Univ J Res Sci 16(PT 1):183-184
Jan 1967 513 AG8

Chronic respiratory disease, Histology, Infectious bronchitis, Infectious laryngotracheitis, Pleuropneumonia-like organisms, Poultry, Respiratory diseases.

6742-69

A CASE OF PRURIGINOUS RABIES IN GOATS. (POR)

M R Nilsson M Alberto M A da Sc Portugal
Biologico 33(2):38-40 REF
Feb 1967 442.8 B529

Diagnosis, Goats, Inclusion bodies, Livestock diseases, Rabies. English abstract.

6743-69

DIAGNOSIS OF RABIES. WHAT IS NECESSARY IN THE FIELD LABORATORY. (POR)

M R Nilsson
Biologico 33(1):21-23 REF
Jan 1967 442.8 B529

Diagnosis, Rabies.

6744-69

A COMPARATIVE STUDY OF MORPHOLOGIC CHANGES WITHIN HEP-2 CULTURE CELLS INOCULATED WITH VARIOUS ADENOVIRUS SEROTYPES. (RUS)

S Nitavskaya
Latv P Sr Zinat Akad Vestis 7(240):121-127 REF
1967 511 R442

Adenoviruses, Animal morphology, Immunization, Microbiology, Tissue culture.

6745-69

FIBRINOUS COLITIS IN PIGS. (NO)

K Nordstoga F Saxegaard E Johannessen
Nord Veterinaermed 20(9):487-494 REF
Sep 1968 41.8 N813

Colitis, Disease transmission, Fibrin, Intestines, Mucous membrane, Swine. German and English summaries.

6746-69

ESTABLISHMENT AND CHARACTERIZATION OF A FELINE NEUROFIBROSARCOMA (FNFS) CELL LINE.

F Noronha K M Lee
Cornell Vet 59(2):326-340
Apr 1969 41.8 C81

Biological assay, Cats, Cells, Cytogenetics, Fibrosarcoma, Neoplasms, Neurofibroma, Tissue culture, Virus diseases (animals).

6747-69

CRYSTALLINE INCLUSIONS IN BACILLUS THURINGIENSIS.

J R Norris H M Proctor
J Bacteriol 98(2):824-826
May 1969 448.3 J82

Bacillus thuringiensis, Bacteriophages, Cytology, Electron microscopy, Inclusion bodies.

6748-69

INCIDENCE OF BOVINE COCCIDIA IN WESTERN OREGON.

P A Nyberg D H Helfer S E Knapp
Helminthol Soc Wash Proc 34(1):13-14 REF
Jan 1967 436.9 H36

Cattle, Coccidiosis, Eimeria, Surveys.

6749-69

ASPERGILLOSIS IN JAPANESE QUAIL.

L D Olson
Avian Dis 13(1):225-227
Feb 1969 41.8 AV5

Aspergillosis, Aspergillus fumigatus, Culture media, Epizootic diseases, Microscopy, Mycosis, Poultry diseases, Quail.

6750-69

VARIATION IN CONCENTRATION AND COMPOSITION OF TOXIC ALKALOIDS AMONG STRAINS OF PHALARIS TYBERISA L.

R N Oram J D Williams
Nature 213(5079):946-947
Mar 1967 472 N21

Alkaloids, Biological assay, Feed toxicity, Phalaris tuberosa, Poisonous plants, Sheep, Toxicology.

6751-69

A STUDY OF EXPERIMENTAL ORNITHOSIS IN THE WHITE MOUSE INFECTED THROUGH THE PERITONEAL CAVITY. (FR)

J Orfila A Lcpinay
Inst Pasteur Ann 116(1):111-120 REF
Jan 1969 448.3 AN75

Complement fixation, Dosage, Immunity, Mice, Ornithosis, Symptomatology, Virus diseases (animals). English summary.

6752-69

STUDIES ON MYCOPLASMA OF RATS. I. OBSERVATION OF MYCOPLASMA IN THE RESPIRATORY SYSTEM OF RATS. (JA)

Y Oshima Y Osada M Ogata
Jap J Vet Sci 30(5):265-274
Oct 1968 41.8 J27

Mycoplasma, Rats, Respiratory diseases. English summary.

6753-69

EVIDENCE FOR CONVERSION OF DDT TO TDE IN RAT LIVER: II. CONVERSION OF P,P'DDT TO P,P'TDE IN AXENIC RATS.

A Ottoboni R Gcc R L Stanley M E Goetz
Bull Environ Contam Toxicol 3(5,SEP-OCT):302-308 REF

1968 RA1270.P35A1
Animal physiology, Biochemistry, DDT, Liver, Rats.

6754-69

EFFECTS OF FREEZING ON AFRICAN HORSE-SICKNESS VIRUS.

Y Ozawa S Bahrami
Arch Gesamte Virusforsch 25(2):201-210
Dec 1968 448.3 AR23

African horse sickness virus, Culture media, Freezing, Salts, Virulence.

6755-69

ANTIBODY RESPONSE IN ANIMALS IMMUNIZED WITH DIFFERENT TYPES OF ANTHRAX VACCINE.

A Palit P R Nilakantan
Indian J Vet Sci Anim Husb 38(3):431-442 REF
Sep 1968 41.8 IN22

Anthrax vaccines, Antibodies, Immunization, Serological tests, Veterinary medicine.

6756-69

OUTBREAK OF INFLUENZA A/EQUI 2 IN ITALY. (IT)

A Paltrinieri R Farina A Ceccarelli E Salutini A Buonaccorsi
Nuova Vet 44(4,JUL-AUG):199-214 REF
Jul 1968 41.8 N922

Enzymes, Epidemiology, Equine influenza, Horses, Myxoviruses, Serum, Virus diseases (animals). French and English summaries.

6757-69

INFLUENCE OF A PAPILLOMA VACCINE ON CHRONIC BOVINE ENZOOTIC HEMATURIA.

A M Pamukcu C Olson S K Goksoy
Cancer Res 27(11, PT 1):2197-2200 REF
Nov 1967 448.8 C16

Cattle, Hematuria, Histopathology, Livestock diseases, Papilloma viruses, Vaccines.

6758-69

HISTOPLASMIC (HISTOPLASMA CAPSULATUM) INFECTION IN A HORSE.

R J Panciera
Cornell Vet 59(2):306-312
Apr 1969 41.8 C81

Histoplasma capsulatum, Histoplasmosis, Horses, Livestock diseases, Mycosis.

6759-69

AN ASSESSMENT OF EIMERIAN LESIONS IN BUFFALO-CALVES (BUBALUS BUBALIS) AND THEIR SIGNIFICANCE.

B P Pande B B Bhatia P P S Chauhan R K Garg
Indian J Vet Sci Anim Husb 38(3):449-454 REF
Sep 1968 41.8 IN22

Buffaloes, Coccidiosis, Parasitism, Protozoa, Veterinary medicine.

6760-69

SEROLOGICAL INVESTIGATIONS INTO Q-FEVER IN SHEEP. (BU)

S Pandurov
Vet Med Nauk 5(3):33-39 REF
1968 41.8 V6468

Complement fixation, Livestock diseases, Q fever, Sheep. English and Russian summaries.

6761-69

BEWARE OF BRUCELLOSIS.

R C Pathak
Indian Farming 18(7):39
Oct 1968 22 IN283

Abortion, Agricultural legislation, Bacterial diseases (animals), Brucellosis, Cattle, Epizootic diseases, Serological tests.

Brucellosis is discussed as a veterinary health problem in India. Diagnostic symptoms and precautionary measures are given.

6762-69

IDENTIFICATION OF ENTEROCOCCI IN CHICKEN LIVERS. (SP)

B S Perez M C Gutierrez A G Diaz
Oviedo Univ Fac Vet Leon An 13(13):423-428 REF

1967 41.9 OV4
Bacterial diseases (animals), Chickens, Cysts, Liver, Streptococcus faecalis. English and French summaries.

6763-69

SALMONELLA TYPHIMURIUM INFECTION IN DAIRY COWS.

K J Peterson R E Coon
Amer Vet Med Ass J 151(3):344-350 REF
01 Aug 1967 41.8 AM3

Bacterial diseases (animals), Dairy cattle, Milk production, Pathology, Salmonella typhimurium.

6764-69

ELECTRONMICROSCOPICAL ASPECTS OF MYCOPLASMA AGALACTIAE.

A Petrescu N Grigoriu M de Simon R Iftimovici
Arch Vet 2(2):63-69 REF
1967 41.8 AR27

Bacteriology, Electron microscopy, Mycoplasma agalactiae. French, German and Russian summaries.

6765-69

THE INCREASE OF CONTAGIOUS ECTHYMA IN THE STATE OF SAO PAULO. (POR)

N S Piegas M R Nilsson F M Rodrigues F B N Farinha

- Biologico* 33(1):18-20
Jan 1967 442.8 B529
Ecthyma, Goats, Livestock discases. English abstract.
- 6766-69**
STUDIES ON THE FLUORESCENT AND NEUTRALIZING ANTIBODIES TO BLUETONGUE VIRUS IN SHEEP.
A Pini H Ohder A P Whiteland L J Lund
Arch Gesamte Virusforsch 25(2):129-136
Dec 1968 448.3 AR23
Antibodies, Bluetongue virus, Fluorescent antibody technic, Serum neutralization test, Sheep.
- 6767-69**
THE ROLE OF THE HYPOPHYSEAL-SUPRARENAL SYSTEM IN THE ETIOPATHOGENESIS OF PRIMARY KETOSIS IN CATTLE. (POL)
E Pinkiewicz B Robaj
Lublin Univ Mariae Curie Ann Sect Dd 22:129-150 REF
1967 512 L96AD
Adrenal cortex hormones, Adrenal glands, Animal histology, Cattle, Corticotropin, Hormones, Ketosis, Livestock diseases, Pituitary gland. English and Russian summaries.
- 6768-69**
THE INCREASE OF THE INCIDENCE OF FOOT-AND-MOUTH DISEASE IN THE STATE OF SAO PAULO IN 1966. (POR)
A A Pinto O Suga L P Netto
Biologico 33(2):42-43
Feb 1967 442.8 B529
Foot-and-mouth disease, Livestock diseases.
- 6769-69**
INVESTIGATIONS ON THE INCIDENCE OF RINDERPEST VIRUS INFECTION IN GAME ANIMALS OF N. TANGANYIKA AND S. KENYA 1960/63.
W Plowright B McCulloch
J Hyg 65(3):343-358 MAP REF
Sep 1967 449.8 J82
Animal diseases, Rinderpest virus, Serological tests, Surveys, Wildlife.
- 6770-69**
TRICHOPHYTOSIS PROPHYLAXIS BY FEEDING. (RUS)
S I Plyashchenko V T Sidorov A I Alcksandrova
Veterinariya (12):69-70
Dec 1968 41.8 V6426
Feeding, Livestock diseases, Preventive medicine, Ringworm.
- 6771-69**
SALMONELLA IN THE STARLING (STURNUS VULGARIS). (FR)
P Pohl J Thomas
Ann Med Vet 112(8):704-711 REF
Dec 1968 41.8 AN78
Disease transmission, Salmonella, Starlings. English, German and Flemish summaries.
- 6772-69**
SYNTHESIS OF SATURATED LONG CHAIN FATTY ACIDS FROM SODIUM ACETATE-I-C14 BY MYCOPLASMA.
J D Pollack M E Tourtelotte
J Bacteriol 93(2):636-641 REF
Feb 1967 448.3 J82
Biochemistry, Carbon isotopes, Fatty acids, Mycoplasma, Radioactive tracers, Sodium acetate.
- 6773-69**
PREPARATION OF STABLE NONINFECTIVE INFLUENZA VIRUS ANTIGENS FOR TYPING BY HEMAGGLUTINATION-INHIBITION.
J R Polley
Can J Microbiol 15(2):203-207
Feb 1969 448.8 C162
Allantoin, Antigens, Gamma rays, Hemagglutination-inhibition test, Human discases, Immunochemistry, Influenza viruses, Virus discases (animals).
- 6774-69**
A STUDY OF THE RELATIONSHIP BETWEEN THE SEROLOGICAL SALMONELLA TYPES ISOLATED FROM HUMANS AND FROM FOODSTUFFS. (FR)
M Popovici L Szegli L Soare M Negut V Raicev Et Al
Arch Gesamte Virusforsch 26(2):345-352
Jun 1967 448.3 AR22
Epidemiology, Food contamination, Human discases, Salmonella, Serological tests. Russian, German, and English abstracts
- 6775-69**
STUDIES ON INFECTIOUS LARYNGOTRACHEITIS (ILT) VIRUS OF POULTRY. I. ISOLATION AND IDENTIFICATION OF THE VIRUS.
I J Prasad B S Malik
Indian J Vet Sci Anim Husb 38(3):410-414
Sep 1968 41.8 IN22
Infectious laryngotracheitis virus, Poultry discases, Serological tests, Veterinary medicine, Virology.
- 6776-69**
STUDIES ON INFECTIOUS LARYNGOTRACHEITIS (ILT) VIRUS OF POULTRY. II. SURVEY OF THE INFECTION BY IMMUNODIFFUSION TEST.
I J Prasad B S Malik
Indian J Vet Sci Anim Husb 38(3):415-417
Sep 1968 41.8 IN22
Immunodiagnosis, Infectious laryngotracheitis virus, Poultry discases, Serological tests, Veterinary medicine, Virology.
- 6777-69**
CHANGES IN PERMEABILITY OF THE MUCOSA DURING INTESTINAL COCCIDIOSIS INFECTIONS IN THE FOWL.
R A Preston-Mafham A H Sykes
Experientia 23(11):972-973
15 Nov 1967 475 EX7
Animal physiology, Dyes, Eimeria acervulina, Intestines, Permeability, Poultry discases.
- 6778-69**
PRE-DISPOSING FACTORS IN MASTITIS. III. GENETIC INFLUENCES ON UDDER HEALTH. (GE)
A Probst J Behringer F Kiermeier
Zuchtungskunde 40(4,JUL-AUG):248-253 REF
1968 49 Z8
Animal genetics, California mastitis test, Cattle, Heredity, Livestock discases, Mastitis. English, French and Russian summaries.
- 6779-69**
RINDERPEST PROTECTION IN CATTLE BY MEASLES VIRUS. APPLICATION IN CALVES WITH PASSIVE IMMUNITY FROM MATERNAL ANTIBODIES. (FR)
A Provost Y Maurice C Borredon
*Rev Elevage Med Vet Pays Trop (N s)*21(2):145-164 REF
1968 41.8 R3262
Antibodies, Cattle, Immunity, Livestock discases, Measles virus, Rinderpest, Virology, Virus discases (animals). English and Spanish summaries.
- 6780-69**
THE USE OF AN AVIAN POLYVALENT VACCINE IN CENTRAL AFRICA. (FR)
A Provost C Borredon
*Rev Elevage Med Vet Pays Trop (N s)*21(2):165-179 REF
1968 41.8 R3262
Avian leukosis complex, Fowl typhoid, Fowlpox, Newcastle disease, Poultry discases, Vaccines.
- 6781-69**
CENTRAL AFRICAN UTILIZATION OF A POLYVALENT AVARIAN VACCINE. (FR)
A Provost C Borredon
Rev Elevage Med Vet Pays Trop 21(2):165-179 REF
1968 41.8 R3262
Birds, Newcastle disease, Salmonellosis, Typhoid, Vaccines.
- 6782-69**
RESISTANCE AGAINST CANINE DISTEMPER INDUCED BY MEASLES VIRUS. I. MEASLES VACCINATION IN THE PRESENCE OF DISTEMPER ANTIBODIES.
J Prydic
Vet Rec 83(22):554-559 REF
30 Nov 1968 41.8 V641
Antibodies, Canine distemper, Dogs, Immunization, Measles virus, Virology.
- 6783-69**
ADAPTATION, CULTURING OF R. SIBIRICA IN RABBIT LICE AND PREPARATION OF A COMBINED ANTIGEN FOR DIAGNOSIS OF INFECTION. (RUS)
R A Pshenichnov E P Ivanova M I Gulvakova
Zhur Mikrobiol Epidemiol Immunobiol 4:73-75
1968 448.3 Z4
Agglutination, Anoplura, Antigens, Biology, Culture media, Feeding, Morphology, Predecessor insects, Rickettsia. English summary
- 6784-69**
AVIAN LEUKOSIS-SARCOMA VIRUSES AND ANTIBODY IN FIELD FLOCKS, AND THEIR RELATIONSHIP TO LEUKOSIS MORTALITY.
H G Purchase J J Solomon D C Johnson
Avian Dis 13(1):58-71 REF
Feb 1969 41.8 AV5
Antibodies, Avian leukosis complex viruses, Avian lymphomatosis, Biological assay, Immunity, Mortality, Rous sarcoma virus, Viremia, Virus discases (animals).
- 6785-69**
ACTION OF BAYER PREPARATION A 139 ON RABIES VIRUS.
I M Reda A A Shokeir A M Abdelaziz Y Z Habashy
J Hyg Epidemiol Microbiol Immunol 11(4):422-425 REF
1967 448.8 J826
Drug therapy, Mice, Rabies virus, Tissue culture, Vaccines.
- 6786-69**
INFLUENCE OF FIXATION ON GROSS MORPHOLOGY OF MYCOPLASMA.
K Reuss
J Bacteriol 93(1):490-491
Jan 1967 448.3 J82
Formaldehyde, Morphology, Mycoplasma.
- 6787-69**
A HEMAGGLUTINATION-INHIBITION TEST FOR MYCOPLASMA MELEAGRIDIS ANTIBODIES.
K R Rhoades
Avian Dis 13(1):22-26 REF
Feb 1969 41.8 AV5
Agglutination test, Antibodies, Antigens, Culture media, Embryos, Hemagglutination-inhibition test, Mycoplasma meleagridis, Phenol compounds, Poultry discases, Serological tests, Turkeys.
- 6788-69**
IMMUNOGLOBULIN DEVELOPMENT IN SERA OF PIGS INJECTED WITH KILLED SUSPENSIONS OF SALMONELLA CHOLERAESUIS.
C E Rice C L'Ecuier
Cornell Vet 59(2):258-268 REF
Apr 1969 41.8 C81
Agglutination, Complement fixation, Culture media, Globulins, Immunology, Salmonella choleraesuis, Swine.
- 6789-69**
A HISTOLOGIC STUDY OF MEDULLARY BONE OF LAYING HENS UNDER DIFFERENT DIET AND HOUSING CONDITIONS.
C Riddell C F Helmboldt E P Singens
Avian Dis 13(1):163-170 REF
Feb 1969 41.8 AV5
Animal histology, Animal physiology, Bedding (livestock), Bone discases, Calcium phosphates, Egg production, Feed, Phosphorus, Poultry houses.

6790-69

6790-69

IDENTIFICATION OF A PIROPLASME FOUND WITH SUFFICIENT FREQUENCY IN OUR CATTLE. (SP)

I G Rodriguez

Spain Patronato Biol Anim Rev 11(3/4):45-56 REF

1967 49.9 SP16

Babesia, Bacterial diseases (animals), Blood, Cattle, Livestock diseases, Piroplasmiasis, Splcn. English and French summaries.

6791-69

EFFECT OF CYTOSTATICS ON THE REPLICATION OF VACCINIA, PSEUDO-RABIES AND SINDBIS VIRUSES AND ON THE INTERFERON PRODUCTION BY TISSUE CULTURE CELLS.

I Rosztochy I Mees

Acta Microbiol 15(1):41-47 REF

04 Apr 1968 448.3 AC84

Biological assay, Cyclophosphamide, Deoxyribonucleic acid, Drug therapy, Interferon, Pseudorabies virus, Sindbis virus, Tissue culture, Vaccinia virus.

6792-69

TESTICLE HYPOPLASIA IN A BOAR OF THE GOTTINGER MINIATURE SWINE BREED. (GE)

E Roth D Schmidt

Deut Tierarztl Wochensh 75(24):627

15 Dec 1968 41.8 D482

Animal abnormalities, Boars, Hypoplasia, Livestock, Testes.

6793-69

EFFECTS OF AFLATOXIN B₁ ON POLYSOMAL PROFILES AND RNA SYNTHESIS IN RAT LIVER.

A K Roy

Biochim Biophys Acta 169(1):206-211 REF

20 Nov 1968 381 B522

Aflatoxin, Biochemistry, Carcinogens, Dosage, Inhibitors, Liver, Rats, Ribonucleic acid, Synthesis.

6794-69

COLOSTRAL IMMUNITY AGAINST SALMONELLA INFECTION IN CALVES.

W A Royal R A Robinson D M Duganzich

New Zeal Vet J 16(8/9,AUG-SEP):141-145 REF

1968 41.8 N483

Antibodies, Calves, Colostrum, Immunity, Infectious diseases, Livestock diseases, Salmonella typhimurium, Vaccines.

6795-69

EFFECTS OF RATION ENERGY LEVEL, VACCINATION, AND ANTIBIOTICS ON FEEDLOT PERFORMANCE OF RANGE LAMBS.

J L Ruttle C N Sundt

N Mex Agr Exp Sta Bull (537):20P

Oct 1968 100 N465 (1)

Animal nutrition, Antibiotics, Clostridium perfringens, Enterotoxemia, Feedlots, Immunization, Lambs.

6796-69

BOVINE HERPES MAMMILLITIS VIRUS. III. OBSERVATIONS ON EXPERIMENTAL INFECTION.

M M Rweyemamu R H Johnson M R McCrea

Brit Vet J 124(8):317-324 REF

Aug 1968 41.8 V643

Animal histology, Cattle, Herpesviruses, Laboratory animals, Udders, Virology, Virus diseases (animals). French, German and Spanish summaries.

6797-69

INTERACTION OF RUBIDIUM AND POTASSIUM IN CHICK DIETS.

L B Sasser E W Kienholz G M Ward

Poultry Sci 48(1):114-118

Jan 1969 47.8 AM33P

Animal nutrition, Chicks, Potassium, Rubidium, Toxicology.

6798-69

INTERSTATE TRANSPORTATION OF ANIMALS AND POULTRY. BRUCELLOSIS. DESIGNATION OF MODIFIED CERTIFIED BRUCELLOSIS AREAS, PUBLIC STOCKYARDS, SPECIFICALLY APPROVED STOCKYARDS, AND SLAUGHTERING ESTABLISHMENTS. MODIFIED CERTIFIED BRUCELLOSIS AREAS.

E E Saulmon

Fed Regist 34(102):8233

28 May 1969 L1.451

Brucellosis, Cattle, Interstate commerce, Livestock diseases, Regulations.

6799-69

SYNTHESIS OF RADIOACTIVE TRICHINELLA SPIRALIS LARVAL ANTIGEN IN VITRO.

H Savcl C W Kim L D Hamilton

Exp Parasitol 24(2):171-175 REF

Apr 1969 436.8 EX7

Amino acids, Antigens, Guinea pigs, Larvae, Radioactive isotopes, Tissue culture, Trichinella spiralis.

6800-69

HERPESVIRUS IN MAREK'S DISEASE TUMORS.

G Schidlovsky K E Jensen M Ahmed

Science 164(3882):959-961 REF

23 May 1969 470 SC12

Animal histology, Avian lymphomatosis, Chicks, Epizootic diseases, Herpesviruses, Neoplasms, Poultry diseases, Tissue culture, Virology, Virus diseases (animals).

6801-69

EPIDEMIC PROPHYLAXIS AND CONTROL OF INFECTIOUS DISEASES IN LARGE MODERN POULTRY FARMS. (GE)

D Schimmel

Monatsh Vet 23(18):681-685

15 Sep 1968 41.8 M742

Infectious diseases, Poultry diseases, Poultry industry, Veterinary medicine. English and Russian summaries.

6802-69

ON ANTIBIOTIC-ANTIMYCOTIC THERAPY IN CATTLE MASTITIS. (RUM)

O Schobesch L Urcsch M Rusu

Rev Zootech 18(9):54-62 REF

Sep 1968 49 P943

Antibiotics, Cattle, Chloramphenicol, Drug therapy, Fungicides, Livestock diseases, Mastitis, Polyoxyethylene derivatives, Prednisone, Propylene glycol. English, French and Russian summaries.

6803-69

CONTRIBUTION TO ATROPHIC RHINITIS IN PIGS. (GE)

P Schoss

Deut Tierarztl Wochensh 75(24):625-630 REF

15 Dec 1968 41.8 D482

Atrophic rhinitis, Disease transmission, Etiology, Infectious diseases, Livestock diseases, Swine. English summary. continuation from preceding issue.

6804-69

THE INFLUENCE OF STREPTOCOCCI ON THE GENITALS AND FERTILITY OF THOROUGHBRED MARES. (GE)

J Schute

Hanover Tierarztl Hochsch Inang Diss (73):43P

REF

1966 41.2 H198

Fertility, Livestock diseases, Reproduction, Reproductive organs, Sterility, Streptococcus, Thoroughbred horses.

6805-69

STUDIES ON GOAT-POX VIRUS. I. HOST RANGE PATHOGENICITY.

K C Sen N S Datt

Indian J Vet Sci Anim Husb 38(3):388-393

Sep 1968 41.8 IN22

Goatpox virus, Goats, Livestock diseases, Veterinary medicine, Virology.

6806-69

STUDIES ON GOAT-POX VIRUS. II. SEROLOGICAL REACTIONS.

K S Sen N S Datt

Indian J Vet Sci Anim Husb 38(3):394-398

Sep 1968 41.8 IN22

Anaphylaxis, Goatpox virus, Immunology, Laboratory animals, Poxviruses, Serum neutralization test, Veterinary medicine.

6807-69

COLI DYSENTERY (COLIBACILLOSIS) OF SUCKLING PIGS. (GE)

W Senf

Monatsh Vet 23(19):744-750

01 Oct 1968 41.8 M742

Baby pigs, Bacterial diseases (animals), Colibacillosis, Escherichia coli, Immunization, Livestock diseases. English and Russian summaries.

6808-69

THE IN VITRO SENSITIVITY OF AVIAN SALMONELLA STRAINS TO 6 DRUGS. I. INVESTIGATION ON 1024 STRAINS ISOLATED 1945-1958.

O P Settuca

Nord Veterinaarmed 20(9):458-470 REF

Sep 1968 41.8 N813

Antibiotics, Drug resistance, Feed additives, Poultry, Salmonella. French and Danish summaries. The 6 drugs tested were: sulfamethizol, streptomycin, tetracycline, chloramphenicol, nifurazolidon and nitrofurmeton.

6809-69

EGG TRANSMISSION STUDIES OF TYPE II LEUKOSIS INFECTION (MAREK'S DISEASE).

M Sevoian

Vet Med Small Anim Clin 63(10):973-974

Oct 1968 41.8 M69

Avian lymphomatosis, Chick embryos, Eggs, Kidneys, Poultry diseases, Tissue culture.

6810-69

DETECTION OF COMPLEMENT FIXING ANTIBODY TO THE AGENTS OF TICK TYPHUS FEVER OF NORTHERN ASIA AND Q FEVER IN WILD ANIMALS OF THE EXTREME NORTH OF WESTERN SIBERIA. (RUS)

M S Shaiman N M Stolbov A A Chistyakov

Med Parazitol Parazitarn Bolezni

37(5,SEP/OCT):617

1968 448.8 M469

Antibodies, Complement fixation, Ixodidae, Parasitism, Piroplasmiasis, Q fever, Wildlife diseases.

6811-69

TOXOPLASMA GONDII: TRANSMISSION THROUGH FECES IN ABSENCE OF TOXOCARA CATI EGGS.

H G Sheffield M L Melton

Science 164(3878):431-432

25 Apr 1969 470 SC12

Animal vectors, Bacterial diseases (animals), Disease transmission, Feces, Mice, Parasitism, Temperature, Toxocara cati, Toxoplasmosis.

6812-69

WESTERN ENCEPHALITIS VIRUS IN ALBERTA.

J A Shemanchuk

Canada Agr 14(1,WINTER):24-25

1969 7 R31

Animal vectors, Birds, Culicidae, Encephalitis, Human diseases, Insect vectors, Virus diseases (animals).

6813-69

RELATION OF INFECTION TO TISSUE TEMPERATURE IN MICE INFECTED WITH MYCOBACTERIUM MARINUM AND MYCOBACTERIUM LEPRAE.

C C Shepard J A Habas

J Bacteriol 93(3):791-796 REF

- Mar 1967 448.3 J82
Animal diseases, Mice, Mycobacterium, Physiology, Temperature, Tissucs.
- 6814-69**
OBSERVATIONS ON CROOKED CALF DISEASE.
J L Shupc L F James W Binns
Amer Vet Med Ass J 151(2):191-197
15 Jul 1967 41.8 AM3
Calves, Crooked calf disease, Etiology, Lupine, Pastures.
- 6815-69**
LUPINE, A CAUSE OF CROOKED CALF DISEASE.
J L Shupc W Binns L F James R F Kccler
Amer Vet Med Ass J 151(2):198-203 REF
15 Jul 1967 41.8 AM3
Calves, Crooked calf disease, Lupine, Pathogenicity, Poisonous plants.
- 6816-69**
THE OLFACTORY BULB LESION IN THE HIBERNATING SQUIRREL (CITELLUS LATERALIS) INFECTED WITH COXSACKIEVIRUS B-3. II. IMMUNOLOGICAL STUDY.
R Siboo E I Grodums
Can J Microbiol 15(2):197-202 REF
Feb 1969 448.8 C162
Antibodies, Cocksackie viruses, Fluorescent antibody technic, Gamma globulins, Hibernation, Immunology, Smell, Squirrels, Virus diseases (animals).
- 6817-69**
FOWL POX INCLUSION-BODY FORMATION IN SKIN EPITHELIUM OF CHICKS.
C F Simpson
Avian Dis 13(1):89-100 REF
Feb 1969 41.8 AV5
Chicks, Cytology, Electron microscopy, Epithelium, Fowlpox, Illustrations, Inclusion bodies, Mitochondria, Poultry diseases, Skin, Virus diseases (animals).
- 6818-69**
ANIMAL DISEASES AND PESTS.
C M Singh
Indian Farming 17(8):12-13
Nov 1967 22 IN283
Livestock diseases, Poultry diseases, Research, Vaccines.
In India, livestock and poultry diseases have received much research attention and vaccines have been developed for bacterial, viral, and other parasitic diseases.
- 6819-69**
TUBERCULOSIS IN DUCKS.
G Singh T P Joshi J M L all P K R Iyer
Indian J Vet Sci Anim Husb 38(3):424-430
Sep 1968 41.8 IN22
Agglutination test, Ducks, Poultry diseases, Tuberculin test, Tuberculosis, Veterinary medicine.
- 6820-69**
PRACTICE OF PULLORUM DISEASE ERADICATION AT A POULTRY PLANT IN BAKU. (RUS)
M I Smirnov K S Gadzhicv
Veterinariya (12):75-76
Dec 1968 41.8 V6426
Poultry diseases, Poultry industry, Pullorum disease.
- 6821-69**
ANTI-MICROBIAL DRUGS IN ANIMAL FEEDS.
H W Smith
Nature 218(5143):728-731 REF
25 May 1968 472 N21
Animal nutrition, Antibiotics, Bacteria, Drug therapy, Feed additives, Livestock diseases.
- 6822-69**
AN OUTBREAK OF MALE FERN (DRYOPTERIS FILIX-MAS) POISONING.
P J Smyth
Irish Vet J (N s)22(4):69-71
Apr 1968 41.8 IR4
Animal nutrition, Cattle, Drug therapy, Dryopteris filixmas, Feed toxicity, Livestock diseases, Poisoning.
- 6823-69**
DYNAMICS OF SALMONELLA INFECTION IN CHICKS REARED ON LITTER.
G H Snoeyenbos V L Carlson C F Smyser O M Olcsiuk
Avian Dis 13(1):72-83
Feb 1969 41.8 AV5
Bedding (livestock), Chicks, Infectious diseases, Mortality, Poultry diseases, Salmonellosis, Serological tests.
- 6824-69**
ISOLATION OF ARIZONA 7:1,7,8 FROM LITTER OF PENS HOUSING INFECTED TURKEYS.
G H Snoeyenbos C F Smyser
Avian Dis 13(1):223-224
Feb 1969 41.8 AV5
Bacteria, Bedding (livestock), Culture media, Paracolonibacterium arizonae, Poultry houses, Turkeyes.
- 6825-69**
EXPERIMENTAL SALMONELLOSIS IN SWINE AND ITS CLINICAL-HEMATOLOGICAL CHARACTERISTICS. (2E)
D Sofrenovic J M Jovanovic L Miroslava
Vet Glas 22(10):841-847 REF
1968 41.8 J93
Baby pigs, Bacterial diseases (animals), Culture media, Hematology, Salmonella choleraesuis, Salmonellosis, Symptomatology. English and Russian summaries.
- 6826-69**
FIELD OBSERVATION OF A MUCOSAL TYPE OF DISEASE AT AAREY MILK COLONY.
A D Sohoni A K Gudi S V Kukade
Gosamvardhana 16(9):31-32,30
Dec 1968 43.8 G69
Dairy cattle, Drug therapy, Livestock diseases, Mucosal disease, Virus diseases (animals).
- 6827-69**
EFFECT OF THIABENDAZOLE ON OVINE POSTHITIS.
W H Southcott
Australian Vet J 44(11):526
Nov 1968 41.8 AU72
Bactericides, Livestock diseases, Posthitis, Sheep, Thiazolyl-benzimidazole, 2-(4-.
- 6828-69**
EFFECT OF PADDOCK SIZE, STOCKING RATE, ANTHELMINTICS, AND TRACE ELEMENTS ON THE WEIGHT GAIN OF YOUNG CATTLE.
W H Southcott M K Hill B R Watkin J L Wheeler
Australian Soc Anim Prod Proc 7:118-122
Feb 1968 49.9 AU72
Animal physiology, Anthelmintics, Cattle, Cobalt, Habitats, Methyridine, Micronutrients, Selenium, Thiazolyl-benzimidazole, 2-(4-, Weights. Proceedings of Australian Society of Animal Production.
- 6829-69**
THE CONTROL AND TREATMENT OF POSTHITIS.
W H Southcott
Pastoral Rev 78(7):613
18 Jul 1968 23 AU75
Animal nutrition, Antiseptics, Bacterial diseases (animals), Diet, Hormones, Livestock diseases, Posthitis, Shecp, Testosterone.
- 6830-69**
EXPERIMENTAL TRANSMISSION OF HISTOMONAS MELEAGRIDIS AND HETERAKIS GALLINARUM BY THE SOW-
- BUG, PORCELLIO SCABER, AND ITS IMPLICATIONS FOR FURTHER RESEARCH.**
L A Spindler
Helminthol Soc Wash Proc 34(1):26-29
Jan 1967 436.9 H36
Epizootic diseases, Heterakis gallinarum, Histomonas meleagridis, Isopoda, Poultry diseases, Turkeyes.
- 6831-69**
A TETRAZOLIUM REDUCTION TEST TO EVALUATE THE VIABILITY OF STRAIN 19 VACCINES. (POR)
R Sprovieri D C Freitas
Biologico 33(2):31-34
Feb 1967 442.8 B529
Colorimetry, Lyophilization, Tetrazolium, Vaccines. English abstract.
- 6832-69**
THE ROLE OF ESCHERICHIA COLI IN GASTROENTERITIS IN NEWLY-BORN CALVES IN THE DISTRICT OF TOLBUHIN. (BU)
T Stamatov
Vet Med Nauk 5(2):63-66
1968 41.8 V6468
Bacterial diseases (animals), Calves, Escherichia coli, Gastroenteritis, Livestock diseases. English and Russian summaries.
- 6833-69**
DETECTION OF PSEUDORABIES VIRUS BY IMMUNOFLOURESCENCE.
W C Stewart E A Carbrey J I Kresse
Amer Vet Med Ass J 151(6):747-751
15 Sep 1967 41.8 AM3
Antigens, Baby pigs, Diagnosis, Immunofluorescence, Pseudorabies virus.
- 6834-69**
EXPERIENCES AND IDEAS REGARDING CATTLE TUBERCULOSIS SANITATION IN A STATE PRACTITIONERS AREA. (GE)
G Strassburger
Monatsh Vet 23(18):689-692 REF
15 Sep 1 968 41.8 M742
Cattle, Disease transmission, Livestock diseases, Sanitation, Tuberculin test, Tuberculosis. English and Russian summaries.
- 6835-69**
DESMOSTEROL AS A COMMON INTERMEDIATE IN THE CONVERSION OF A NUMBER OF C28 AND C29 PLANT STEROLS TO CHOLESTEROL BY THE TOBACCO HORNWORM.
J A Svoboda W E Robbins
Experientia 24(11):1131-1132 REF
15 Nov 1968 475 EX7
Cholesterol, Desmosterol, Manduca sexta, Plant physiology, Sterols. French abstract
- 6836-69**
EVALUATION OF SEVERAL METHODS OF ISOLATING SALMONELLAE FROM POULTRY LITTER AND ANIMAL FEEDSTUFFS.
C F Symser G H Snoeyenbos
Avian Dis 13(1):134-141 REF
Feb 1969 41.8 AV5
Bedding (livestock), By-products, Culture media, Feed, Poultry diseases, Salmonella, Salmonella senftenberg.
- 6837-69**
INFLUENCE OF SOME PREPARATIONS APPLIED INTO THE UDDER ON THE PH, MICROSCOPIC CELLULAR APPEARANCE, CALIFORNIA MASTITIS TEST AND ON THE CONTENT OF CATALASE AND CHLORIDES IN MILK. (POL)
S Tarkiewicz
Lublin Univ Mariae Curie Ann Sect Dd 22:245-262
1967 512 L96AD
Antibiotics, California mastitis test, Catalase, Chlorides, Glands (animals), Hydrogen-ion concentration, Microscopy, Milk, Udders. English and Russian summaries.

6838-69
AVIRULENT MUTANT OF AUJESZKY'S VIRUS, INDUCED BY 5-IODO-2-DEOXYURIDINE (IUDR). (BU)

G Tatarov

Vet Med Nauk 5(6):95-101 REF

1968 41.8 V6468

Iodoxyridine, Mutation, Pseudorabies, Tissue culture, Virology, Virulence, Virus diseases (animals). English and Russian summaries

6839-69

THE EVALUATION OF THE METABOLIC-INHIBITION TECHNIQUE FOR THE STUDY OF MYCOPLASMA GALLISEPTICUM.

D Taylor-Robinson D M Berry

J Gen Microbiol 55(1):127-137 REF

Jan 1969 44.8 J823

Antimetabolites, Antiserum, Chickens, Immunology, Mycoplasma gallisepticum, Rabbits, Serological tests.

6840-69

STUDIES ON THE EPIZOOTIOLOGY OF RINDERPEST IN BLUE WILDBEEST AND OTHER GAME SPECIES OF NORTHERN TANZANIA AND SOUTHERN KENYA, 1965-7.

W P Taylor R M Watson

J Hyg 65(4):537-545 REF

Dec 1967 44.8 J82

Epizootic diseases, Livestock diseases, Rinderpest, Wildlife.

6841-69

CYSTIC ENDOMETRIUM IN WESTERN AUSTRALIAN CATTLE.

R I Thain P B Lewis K J Austen

Australian Vet J 44(6):295-296

Jun 1968 41.8 AU72

Cattle, Cysts, Endometrium, Livestock diseases.

6842-69

THE SIGNIFICANCE OF DEEP LITTER FOR PROPHYLAXIS OF CHICKEN COCCIDIOSIS. (RUS)

A F Tolstopyatenko

Veterinariya (12):100-102

Dec 1968 41.8 V6426

Bedding (livestock), Coccidiosis, Poultry diseases, Sanitation.

6843-69

COMPARATIVE STUDY OF THE AUJESZKY VIRUS AND OF THE HERPES SIMPLEX VIRUS BY THE IMMUNO-FLUORESCENCE METHOD. II. KINETIC STUDY OF THE HERPES SIMPLEX VIRUS BY THE IMMUNO-FLUORESCENCE METHOD. (FR)

V Toneva

Clin Vet 91(9):279-286 REF

Sep 1968 41.8 C61

Antibodies, Antigens, Fluorescence, Herpes simplex, Pseudorabies, Virology, Virus diseases (animals). Italian summary.

6844-69

EXPERIMENTAL STUDIES ON BOVINE TICK-BORNE FEVER. I. CLINICAL AND HAEMATOLOGICAL DATA, SOME PROPERTIES OF THE CAUSATIVE AGENT, AND HOMOLOGOUS IMMUNITY.

J Tuomi

Acta Pathol Microbiol Scand 70(3):429-445 MAP REF

1967 44.8 AC8

Cattle, Electron microscopes, Epidemiology, Immunity, Livestock diseases, Piroplasmiosis, Serum, Sheep, Symptomatology.

6845-69

TGE PREVENTION YOUR GOAL.

N R Underdahl M J Twichaus C A Mebus

Nebr Univ Ext Ec (69-219):19-20

Jan 1969 27.5 N272EX

Baby pigs, Disease control, Immunology, Infectious diseases, Livestock diseases, Symptomatology, Transmissible gastroenteritis, Virus diseases (animals).

6846-69

BIOCHEMISTRY OF AFLATOXINS.

S D Varma I S Yadava

J Nutr Dietics 5(1):87-89 REF

Jan 1968 QP141.A116

Agricultural products, Animals, Aspergillus flavus, Biochemistry, Feed, Metabolism, Penicillium, Plant extracts.

6847-69

NEURAMINIDASE ACTIVITY OF THE NEWCASTLE DISEASE VIRUS. I. A STUDY OF THE ENZYME ACTIVITY IN DIFFERENTLY CULTIVATED STRAINS. (BU)

L Vasileva

Vet Med Nauk 5(8):39-43 REF

1968 41.8 V6468

Enzymes, Hydrogen-ion concentration, Newcastle disease virus, Serum, Substrates, Virology, Virus diseases (animals). English and Russian summaries

6848-69

THE CANINE LEPTOSPIROSES. (FR)

P Vaugien

Pathe (154):23

Jun 1968 45.8 P272

Bacterial diseases (animals), Dogs, Immunization, Leptospira canicola, Leptospira icterohaemorrhagiae, Leptospirosis, Symptomatology.

6849-69

HYPERCALCEMIA AND GASTRO-DUODENAL ULCERATIONS. (FR)

H Verine M Barbier J P de Roissard

Lyon soc Sci Vet Bull 69(5):417-426 REF

1967 41.9 L99

Animal diseases, Calcification (physiological), Digestion, Dogs, Duodenum, Gastrointestinal system, Uleers.

6850-69

NOTES ON THE SPONTANEOUS PATHOLOGY OF THE DOG IN THE LABORATORY. 2ND NOTE: HEMATOMA OF THE SPLEEN. (FR)

H Verine M Chrzanowska

Acad Vet France Bull 41(1):29-33

Jan 1968 41.9 R24

Dogs, Hematology, Microscopy, Neoplasms, Spleen.

6851-69

NOTES ON THE SPONTANEOUS PATHOLOGY OF THE DOG IN THE LABORATORY. 1ST NOTE: LEIOMYOSARCOMA OF THE MESENTERY IN A FEMALE DOG. (FR)

H Verine M Chrzanowska S Botev

Acad Vet France Bull 41(1):25-28

Jan 1968 41.9 R24

Animal histology, Diagnosis, Dogs, Drug therapy, Metastasis, Neoplasms.

6852-69

A PRELIMINARY REPORT ON THE INCIDENCE OF INFECTIOUS LARYNGOTRACHEITIS (ILT) OF POULTRY BY GEL-DIFFUSION TEST.

K C Verma B S Malik

Indian J Vet Sci Anim Husband 38(3):405-409

Sep 1968 41.8 IN22

Agglutination test, Epidemiology, Infectious laryngotracheitis, Poultry diseases, Serological tests, Veterinary medicine, Virus diseases (animals).

6853-69

OCCURRENCE OF INFECTIOUS BRONCHITIS OF POULTRY IN INDIA.

K C Verma G R Singh C M Singh

Indian J Vet Sci Anim Husband 38(3):418-423 REF

Sep 1968 41.8 IN22

Chickens, Embryos, Infectious bronchitis, Poultry diseases, Respiratory diseases, Serum neutralization test, Veterinary medicine.

6854-69

PATHOMORPHOLOGICAL STUDIES ON RABBITS AND GUINEA-PIGS EXPERIMENTALLY INFECTED WITH THE VIRUS OF AUJESZKY'S DISEASE. (BU)

A Vesselinova

Vet Med Nauk 5(5):17-27 REF

1968 41.8 V6468

Central nervous system, Guinea pigs, Laboratory animals, Pseudorabies, Rabbits, Tissue culture, Virus diseases (animals). English and Russian summaries.

6855-69

AN AUTORADIOGRAPHIC AND IMMU-NOFLUORESCENT STUDY OF THE INFECTIOUS CYCLE OF SHEEPOX VIRUS IN CELL CULTURES EXPOSED TO 5-FLUORODEOXYURIDINE.

J Vigario A Terrinha J Nunes A Bastos D

Marques Et Al

Arch Gesamte Virusforsch 25(3-4):321-329 REF

Dec 1968 44.8 AR23

Autoradiography, Cells, Deoxyribonucleic acid, Floxuridine, Immunofluorescence, Sheep, Sheep-pox virus, Tissue culture.

6856-69

THE TRANSMISSION OF WEST EQUINE ENCEPHALOMYELITIS VIRUS FROM CHICKEN TO CHICKEN BY CULEX PIPPIENS (SAY). (SP)

L J Villa C B de P Arrieta A E M Vega

Argent Repub Inst Nac Zoonosis Ser Tec (Ns)(11):97-103 REF

1962 41.9 AR36

Chickens, Culex pipiens, Disease transmission, Epizootic diseases, Equine encephalomyelitis, Insect vectors, Poultry diseases, Virus diseases (animals). English summary. reprint from: Revista de Investigaciones ganaderas, (13).

6857-69

ROLE OF CALCIUM IN THE NUTRITIONAL ETIOLOGY OF A METABOLIC DISORDER IN RUMINANTS FED A HIGH GRAIN RATION.

P E Vipperman R L Preston L D Kintner W H

Pfander

J Nutr 97(4,PT 1):449-462 REF

Apr 1969 38.9 J82

Animal nutrition, Calcium, Cattle, Corn, Deficiency diseases, Diet, Lambs, Livestock diseases, Metabolism, Phosphorus.

6858-69

VIRUS HEPATITIS OF DUCKS. 6. COMMUNICATION: PASSIVE IMMUNIZATION OF DUCKLINGS BY VACCINATING PARENT DUCKS. (GE)

G Wackendorfer G Schoop

Deut Tierarztl Wochensh 75(7):165-171 REF

01 Apr 1968 41.8 D482

Ducklings, Ducks, Immunization, Vaccines, Virus hepatitis. English summary.

6859-69

ACTION OF BACTERIAL ENDOTOXINS ON THE BLOOD CIRCULATION SYSTEM WITH CONSIDERATION OF THE RELATIONS TO ENTEROTOXEMIA (EDEMA DISEASE) OF THE SWINE. (GE)

W Waehel

Monatsh Vet 23(19):750-757 REF

01 Oct 1968 41.8 M742

Bacterial diseases (animals), Blood circulation, Endotoxins, Enterotoxemia, Livestock diseases, Swine, Symptomatology. English and Russian summaries.

6860-69

TEMPERATURE RESPONSE IN ANIMALS INFECTED WITH BACILLUS ANTHRACIS.

J S Walker F Klein R E Lincoln A L Fernelius

J Bacteriol 94(3):552-556 REF

Sep 1967 44.8 J82

Animal diseases, Anthrax, Bacillus anthracis, Temperature.

6861-69

EXPERIMENTAL TRANSMISSION OF SHEEP PULMONARY ADENOMATOSIS (JJAAG-SIEKE).

J G Wandera

Vet Rec 83(19):478-482 REF

09 Nov 1968 41.8 V641

Disease transmission, Jaagziekte, Microscopy, Respiratory diseases, Sheep.

6862-69

HEMATOLOGICAL RESPONSE OF DIFFERENT STOCKS OF CHICKENS TO IRON-COPPER DEFICIENT DIET.

K W Washburn

Poultry Sci 48(1):204-209 REF

Jan 1969 47.8 AM33P

Anemia, Animal nutrition, Chickens, Copper, Deficiency diseases, Hematology, Iron.

6863-69

STUDIES ON THE INTRAOCULAR INOCULATION OF DOGS WITH VARIOUS STRAINS OF LEPTOSPIRES. (JA)

S Watanabe

Kagoshima Univ Fac Agr Bull 18:193-197 REF

Feb 1968 107.6 K114B

Dogs, Eyes, Horses, Injections, Leptospirosis, Livestock diseases. English summary.

6864-69

BIOCHEMICAL AND BIOPHYSICAL CHARACTERISTICS OF VESICULAR EXANTHEMA VIRUS AND THE VIRAL RIBONUCLEIC ACID.

J Wawrzkiwicz C J Smale F Brown

Arch Gesamte Virusforsch 25(3-4):337-351 REF

Dec 1968 448.3 AR23

Biochemistry, Culture media, Electron microscopy, Physiology, Radioactive isotopes, Ribonucleic acid, Swine, Tissue culture, Vesicular exanthema virus (swine).

6865-69

INFLUENCE OF SULFUR ON INCIDENCE OF WHITE MUSCLE DISEASE IN LAMBS.

P D Whanger O H Muth J E Oldfield P H

Weswig

J Nutr 97(4,PT 1):553-561 REF

Apr 1969 389.8 J82

Animal nutrition, Diet, Lambs, Livestock diseases, Methionine, Selenium, Sulfur, White muscle disease.

6866-69

MECHANISMS OF PATHOGENESIS IN LISTERIA MONOCYTOGENES INFECTION. III. CARBOHYDRATE METABOLISM.

M S Wilder C P Sword

J Bacteriol 93(2):538-543 REF

Feb 1967 448.3 J82

Animal diseases, Animal metabolism, Biochemistry, Carbohydrates, Listeria monocytogenes, Mice.

6867-69

POLIOENCEPHALOMALACIA: RESPONSE TO THIAMINE TREATMENT IN SHEEP AND A COW.

J S Wilkinson

Australian Vet J 44(11):525

Nov 1968 41.8 AU72

Cattle, Encephalomalacia, Livestock diseases, Pyruvic acid, Sheep, Thiamine.

6868-69

SALMONELLA PENETRATION OF THE OUTER STRUCTURES OF WHITE- AND SPECKLED-SHELL TURKEY EGGS.

J E Williams L H Dillard

Avian Dis 13(1):203-210

Feb 1969 41.8 AV5

Abnormalities, Culture media, Salmonella typhimurium, Turkey eggs.

6869-69

USE OF A SCANNING ELECTRON MICROSCOPE FOR THE EXAMINATION OF ACTINOMYCETES.

S T Williams F L Davies

J Gen Microbiol 48(2):171-177 REF

Aug 1967 448.3 J823

Actinomycetes, Electron microscopy, Morphology.

6870-69

RELATIONSHIP OF AFLATOXIN TO EPIZOOTICS OF TOXIC HEPATITIS AMONG ANIMALS IN SOUTHERN UNITED STATES.

B J Wilson P A Teer G H Barney F R Blood

Amer J Vet Res 28(126):1217-1230 REF

Sep 1967 41.8 AM3A

Aflatoxicosis, Aspergillus, Dogs, Epizootic diseases, Hepatitis, Swine.

6871-69

GROWTH AND RESPIRATION OF MONOLAYER CELL CULTURES OF CHICK EMBRYO HEART AND SKELETAL MUSCLE: ACTION OF MALATHION AND MALAOXON.

B W Wilson H O Stinnett

Soc Exp Biol Med Proc 130(1):30-34 REF

Jan 1969 442.9 SO1

Chickens, Heart, Malathion, Muscles, Physiology, Respiration.

6872-69

CELL CULTURE TECHNIQUES FOR PRIMARY ISOLATION OF MAREK'S DISEASE-ASSOCIATED HERPESVIRUS.

R L Witter J J Solomon G H Burgoyne

Avian Dis 13(1):101-118 REF

Feb 1969 41.8 AV5

Animal histology, Avian lymphomatosis, Biological assay, Cells, Chickens, Chicks, Dosage, Ducks, Herpesviruses, Kidneys, Poultry diseases, Tissue culture, Virus diseases (animals).

6873-69

EVIDENCE FOR A HERPESVIRUS AS AN ETIOLOGIC AGENT OF MAREK'S DISEASE.

R L Witter G H Burgoyne J J Solomon

Avian Dis 13(1):171-184 REF

Feb 1969 41.8 AV5

Avian lymphomatosis, Biological assay, Chicks, Herpesviruses, Poultry diseases, Tissue culture, Virus diseases (animals).

6874-69

CATTLE BLOAT IN SOUTHERN NEW ENGLAND, N.S.W. 1961-66.

E C Wolfe

Australian Soc Anim Prod Proc 7:1 23-128

Feb 1968 49.9 AU72

Bloat, Cattle, Clover, Environment, Livestock diseases. Proceedings of Australian Society of Animal Production.

6875-69

MULTIPLICATION AND DIFFERENTIATION OF TRYPANOSOMA CRUZI IN AN INSECT CELL CULTURE SYSTEM.

D E Wood A C Pipkin

Exp Parasitol 24(2):176-183 REF

Apr 1969 436.8 EX7

Biology, Blood, Cells, Insect cultures, Mice, Tissue culture, Trypanosoma cruzi.

6876-69

EFFECT OF EXOGENOUS PROGESTERONE ON CORPORA LUTEA IN UNILATERALLY HYSTERECTOMIZED HEIFERS.

C O Woody O J Ginther

J Anim Sci 27(5):1387-1390

Sep 1968 49 J82

Animal physiology, Cattle, Corpus luteum hormones, Hysterectomy, Progesterone.

6877-69

ADRENAL NEOPLASMS IN SLAUGHTERED CATTLE.

B J Wright G H Conner

Cancer Res 28(2):251-263

Feb 1968 448.8 C16

Adrenal glands, Animal diseases, Animal histology, Animal physiology, Cattle, Neoplasms.

6878-69

THE INFLUENCE OF CORTISONE AND LOW ENVIRONMENTAL TEMPERATURE ON EXPERIMENTAL INFECTIOUS CANINE HEPATITIS IN THE GUINEA-PIG.

N G Wright

Res Vet Sci 8(4):450-453

Oct 1967 41.8 R312

Cold, Cortisone, Guinea pigs, Inclusion bodies, Infectious canine hepatitis, Injections, Virus diseases (animals).

6879-69

STUDY OF THE TRANSFER OF AMINO ACIDS FROM AMINOACYL TRANSFER RIBONUCLEIC ACID INTO PROTEIN BY RIBOSOMES FROM UREDOSPORES OF THE BEAN RUST FUNGUS.

Z Yaniv R C Staples

Boyce Thompson Inst Contrib 24(5,OCT-DEC):103-108 REF

Dec 1968 451 B69

Amino acids, Plant biochemistry, Proteins, Ribonucleic acid, Ribosomes, Rust, Spores, Uromyces phaseoli.

6880-69

THE IMPALA AS A SOURCE OF FOOD AND BY-PRODUCTS. DATA ON PRODUCTION POTENTIAL, PARASITES AND PATHOLOGY OF FREE-LIVING IMPALAS OF THE KRUGER NATIONAL PARK.

E Young L J J Wagner

S Afr Vet Med Ass J 39(4):81-86 REF

Dec 1968 41.8 SO8

Animal diseases, Echinococcosis, Infectious diseases, Parasitism.

6881-69

LONG COMPLEMENT FIXATION TEST FOR LEPTOSPIROSIS DIAGNOSIS. (RUS)

A S Zaichenko

Veterinariya (12):106-108

Dec 1968 41.8 V6426

Complement fixation, Diagnosis, Leptospirosis.

6882-69

HYPOVITAMINOSIS A AND HYPOMAGNESEMIA OF SWINE. (RUS)

I P Zapadnyuk M V Senvak

Veterinariya (12):88-89

Dec 1968 41.8 V6426

Deficiency diseases, Hypomagnemia, Livestock diseases, Swine, Vitamin a.

6883-69

INVESTIGATIONS OF ANTIVIRAL SUBSTANCES PRESENT IN NORMAL HORSE AND CALF SERA.

E Zilka L Kawaklova G Vicari I Archetti

Arch Gesamte Virusforsch 25(2):177-187 REF

Dec 1968 448.3 AR23

Calves, Enteroviruses, Horses, Immunochimistry, Serological tests, Serum.

6884-69

THALLIUM POISONING IN DOGS.

B C Zook C E Gilmore

Amer Vet Med Ass J 151(2):206-217 REF

15 Jul 1967 41.8 AM3

Dogs, Histopathology, Poisoning, Poisons, Thallium.

6885-69

INVESTIGATIONS ON THE VIRUSES OF THE ORPHAN TYPE OCCURRING IN PIGS IN POLAND. V. HISTOPATHOLOGICAL CHANGES IN THE CENTRAL NERVOUS SYSTEM OF PIGLETS INFECTED WITH VIRUS L1. (POL)

T Zulinski T Jastrzebski J Buczek

Lublin Univ Mariae Curie Ann Sect Dd 22:55-60

1967 512 L96AD

Baby pigs, Brain, Central nervous system, Encephalomyelitis, Livestock diseases, Swine, Virus diseases (animals). English and Russian summaries.

6886-69

THE FEEDING HABITS OF THE YELLOW MONGOOSE, CYNICTIS PENICILLATA, THE SURICATE, SURICATA SURICATA AND THE CAPE GROUND SQUIRREL, XERUS NAURIS. 1. ANALYSIS OF STOMACH CONTENTS 2. OBSERVATIONS ON FREE-LIVING AND CAPTIVE ANIMALS.

I F Zumpt
S Afr Vet Med Ass J 39(4):89-91
 Dec 1968 41.8 SO8
 Animal nutrition, Animal vectors, Insects, Mon-
 goose, Predatory animals, Rabies, Squirrels.

ARTHROPODS

6887-69
THE OCCURRENCE OF THE CAPILLATE LOUSE, SOLENOPOTES CAPILLATUS, IN SOUTH AFRICA.

R du Toit
S Afr Vet Med Ass J 39(4):73-74
 Dec 1968 41.8 SO8
 Anoplura, Cattle, Insect identification, Parasitism,
 Zoogeography.

6888-69
A RECORD OF THE MITE, SPELEOGNATHUS AUSTRALIS, IN BOVINES IN SOUTH AFRICA.

R du Toit
S Afr Vet Med Ass J 39(4):69-70
 Dec 1968 41.8 SO8
 Acarina, Cattle, Insect identification, Parasitism,
 Respiratory system, Zoogeography.

6889-69
CATTLE LICE; HOW TO CONTROL THEM.

U S D A Leaflet (456):8P
 09 Feb 1969 1 AG84L
 Accident prevention, Bovicola bovis, Cattle,
 Chemical control (insects), Dipping, Dusting, Haemato-
 pinus curystrernus, Insecticide application, In-
 secticides, Linognathus vituli, Spraying.

6890-69
LICE AND MITES IN POULTRY.

A B Coronel
Philippine Farms Gard 5(2):8-9,30-31
 Feb 1968 25 P5323
 Anoplura, Dermanyssus gallinarum, Insect control, In-
 sect pests, Knemidokoptes, Mites, Ornithonyssus
 bursa, Poultry.

6891-69
OBSERVATIONS OF DEFENCE REACTIONS TO OESTRID FLIES BY SEMIDOMESTIC FOREST REINDEER (RANGIFER TARANDUS L.) IN SWEDISH LAPLAND.

Y Espmark
Zool Beitr 14(1-2):155-167 REF
 1968 410 Z753
 Behaviorism, Insect behavior, Oestridae.
 This article is concerned with the growing defen-
 siveness of reindeer to oestrid flies with age. The
 life habits of these flies are also described.

6892-69
1969 INSECT CONTROL GUIDE FOR COLORADO. III. LIVESTOCK PESTS, POULTRY PESTS, FARM FLY CONTROL.

W M Hantsbarger
Colo Agr Exp Sta Gen Ser (SER)(885):12P
 Feb 1969 100 C71G
 Chemical control (insects), Diptera, Insect pests,
 Insecticides, Livestock, Poultry.

6893-69
THE ROLE OF ARGAS PERSICUS IN EPIZOOTIC POULTRY CHOLERA. (GE)

E lovcev
Angew Parasitol 8(2):114-117
 Jun 1967 436.8 AN4
 Argas persicus, Argasidae, Brucella, Chickens,
 Fowl cholera, Pasteurella. German, russian, english
 and bulgarian abstract

6894-69
EFFECT OF DIFFERENCES IN AMBIENT TEMPERATURE UPON THE FATE OF PASTEURELLA PESTIS IN XENOPSYLLA CHEOPIS.

L Kartman
Roy Soc Trop Med Hyg Trans 63(1):71-75
 1969 448.9 R813

Bacteria, Disease transmission, Insect vectors,
 Pasteurella pestis, Pulicidae, Temperature,
 Xenopsylla cheopis.

6895-69
CATTLE FATALITY CAUSED BY BITES OF ODAGMIA ORNATA (DIPTERA, SIMULIIDAE). (CZ)

J Kubec J Minar
Veterinarstvi 18(8):372
 1968 41.8 V6439
 Cattle, Death, Simuliidae, Simulium ornatum.

6896-69
PRE-TREATED RICE HULL LITTER FOR THE CONTROL OF THE LESSER MEALWORM (ALPHITOBIOUS DIAPERINUS PANZER).

J L Lancaster J S Simco R Everett
Ark Agr Exp Sta Rep Ser (SER 174):13P REF
 Jan 1969 100 AR42R
 Alphitobius diaperinus, Insect pests, Poultry.

6897-69
GETTING RID OF CAMEL MANGE.

K R Lodha
Indian Farming 16(2):33-34
 May 1966 22 IN283
 Camels, Chemical control (insects), Coumaphos,
 DDT, Lindane, Mangc.

6898-69
NEW MANGEMITES OF ENDEMIC INSECTIVORES. (PSORERGATIDAE: TROMBIDIFORMES). (GE)

F Lukoschus
Tijdschr Entomol 111(3):75-88
 21 Jun 1968 421 T21
 Insect taxonomy, Insectivora, Mangc, Mites. Ger-
 man abstract

6899-69
INSECT AND MITE PESTS OF LIVESTOCK, POULTRY, AND FARM BUILDINGS.

W F Lyon R E Trece
Ohio State Univ Ext Bull (473):16P
 Jan 1969 275.29 OH32
 Accident prevention, Chemical control (insects),
 Farm buildings, Insect pests, Livestock, Mites,
 Pesticides, Poultry.

6900-69
EVALUATION OF ACARICIDAL DIPS FOR CONTROL OF PSOROPTES OVIS ON SHEEP.

W P Melcney I H Roberts
Amer Vet Med Ass J 151(6):725-731
 15 Sep 1967 41.8 AM3
 Acaricides, Chemical control (insects), Cou-
 maphos, Diazinon, Dipping, Insect control, Lin-
 dane, Psoroptes ovis, Sheep, Toxaphene.

6901-69
HOUSEFLIES, BLOWFLIES AND CLUSTER FLIES.

Great Brit Min Agr Fish Food Adv Leaflet (365):1-7
 Dec 1966 10 G79LA
 Animal disease transmission, Calliphora, Chemical
 control (insects), DDT, Fannia, Insect behavior,
 Insect vectors, Life cycle, Lindane, Musca, Musca
 domestica, Phaenicia sericata, Sarcophaga,
 Stomoxys calcitrans.

The life cycles, ecology and disease transmission by
 houseflies, blowflies and cluster flies are discussed.
 Control with lindane, diazinon, fenchlorphos and
 DDT are recommended.

6902-69
ADVANCES IN CATTLE ECTOPARASITE CONTROL WITH A DISCUSSION OF SOME PROBLEMS RELATED TO TREATMENT WITH SYSTEMIC INSECTICIDES.

J O Mozier
Amer Vet Med Ass J 154(10):1206-1213
 15 May 1969 41.8 AM3
 Cattle, Chemical control (insects), Insecticide ap-
 plication, Insecticides, Organophosphorus com-
 pounds, Toxicology.

6903-69
ENCEPHALITIS FIELD SURVEILLANCE IN ORLEANS PARISH.

P L Rieth M A Bech W C Machado
Mosquito News 28(3):328-330
 Sep 1968 421 M85
 Aedes sollicitans, Aedes vexans, Avian encephalo-
 myelitis, Birds, Culex, Culex pipiens
 quinquefasciatus, Equine encephalomyelitis, Insect
 vectors, Surveys, Virus diseases.

A program which is surveying the encephalitis virus
 titers in the local bird population and the presence
 of the virus in the local mosquito population of
 New Orleans is discussed.

6904-69
SALT MARSH MOSQUITO CONTROL IN RELATION TO BEEF CATTLE PRODUCTION: A PRELIMINARY REPORT.

D P Sanders M E Riewe J C McNeill
Mosquito News 28(3):311-313
 Sep 1968 421 M85
 Aedes sollicitans, Beef cattle, Culicidae, Insect
 control, Marshes, Surveys, Watershed manage-
 ment.

A survey of mosquitoes from the salt marshes of
 Texas is correlated with beef cattle production in
 the area. Control measures are suggested.

6905-69
1969, CONTROLLING INSECTS ON SHEEP AND GOATS.

R A Scheibner F W Knapp
Ky Univ Ext Misc (362-A):2P
 1969 275.29 K415M

Anoplura, Chemical control (insects), Chlorinated
 hydrocarbons, Cochlomyia hominivorax, Goats,
 Insect pests, Insecticides, Ixodidae, Melophagus
 ovinus, Organophosphorus compounds, Sheep.
 The insecticides listed are: coumaphos, ronnel,
 dioxathion, lindane, DDT, malathion, methox-
 ychlor, toxaphene.

6906-69
THE GAMASID MITES (PARASITIFORMES, GAMASOIDEA) OF THE PAVLODAR PROVINCE OF KAZAKHSTAN.

V A Sinel'shchikov
Entomol Rev 46(4,OCT-DEC):495-500 REF
 Dec 1967 421 R322AE
 Catalogs, Epizootic diseases, Insect taxonomy, In-
 sect vectors, Mites. Russian journal pp. 835-844

6907-69
MORTALITY IN SHEEP DUE TO IXODES SPECIES.

C A Sloan
Australian Vet J 44(11):527
 Nov 1968 41.8 AU72
 Ixodes, Ixodidae, Mortality, Parasitic insects,
 Sheep.

6908-69
ATTACKS ON CATTLE BY MOSQUITOES AND BITING MIDGES.

H A Standfast A L Dyce
Australian Vet J 44(12):585-586
 Dec 1968 41.8 AU72
 Cattle, Ceratopogonidae, Culex annulirostris, Cu-
 licidae, Insect behavior, Parasitism.

6909-69
RESPIRATORY MITES OF POULTRY IN THE TERRITORY OF PAPUA NEW GUINEA.

N Talbot
Australian Vet J 44(11):530
 Nov 1968 41.8 AU72
 Mites, Parasitic insects, Poultry, Respiratory
 system, Speleognathopsis galli.

6910-69
INFECTION OF SOME SPECIES OF GAMASIDAE WITH R. BURNETI IN THE NATURAL Q-FEVER FOCI. (RUS)

A A Zemskaya A A Pchelkina
Zhur Mikrobiol Epidemiol Immunobiol 4:130-132
 1968 448.3 Z4

Animal diseases, Gamasides, Insect vectors, Laboratory animals, Q fever, *Rickettsia burneti*.

PARASITES

6911-69

NOTE ON *BOURGELATIA DIDUCTA*, *OESOPHAGOSTOMUM LONGICAUDUM* AND *GLOBOCEPHALUS UROSUBULATUS* (NEMATODA-STRONGYLIDEA) IN SWINE OF MINAS GERAIS, BRAZIL. (POR)

H Mde A Costa M G Freitas
Minas Gerais Univ Escol Vet Arq 18:53-57
1966 41.9 M662

Nematode infestation, Nematodes, Oesophagostomum longicaudum, Parasitism, Strongyloides, Swine, Zoogeography. English summary.

6912-69

EFFECTS OF GASTROINTESTINAL NEMATODE PARASITES ON PERFORMANCE IN FEEDLOT CATTLE.

E R Ames R Rubin J K Matsushima
J Anim Sci 28(5):698-704 REF
May 1969 49 J82

Animal nutrition, Anthelmintics, Cattle, Cooperia, Drug therapy, Feedlots, Gastrointestinal system, Nematode infestation, Ostertagia ostertagi, Parasitism, Thiazolyl-benzimidazole, (2-(4-

6913-69

STUDY INDICATES MOST DAIRY CATTLE HAVE WORMS.

Anonymous
Miss Farmer 17(4):26
Apr 1969 6 M6992

Ascaris, Chemical control (nematodes), Dairy cattle, Nematode infestation, Parasitism, Thibenzole.

6914-69

EURYCESTUS AVOCETI CLARK, 1954 (CESTODA, CYCLOPHYLLIDAEN PARASITE OF THE AVOCET IN CAMARGUE. (FR)

J C Baer
Vie Milieu Ser C Biol Terrestre 19(1-C):189-198
1968 QH301.V5

Birds, Cestoda, Helminthiasis, Morphology, Taxonomy. English and German abstracts.

6915-69

BASIC FACTS ON THE PARASITIC NEMATODES OF THE SHEEP (OVIS ARIES) IN TUNISIA. (FR)

J Bernard F B Osman
Inst Pasteur Tunis Arch 45(1):33-60 REF
Mar 1968 448.3 IN72

Nematode infestation, Nematodes, Parasitism, Sheep, Zoogeography. 15 different species of nematodes were found in sheep and are described.

6916-69

WORMS IN PIGS.

B W Bootes
Agr Gaz New S Wales 80(PT 1):15-22
Jan 1969 23 N472

Chemical control (nematodes), Diagnosis, Drug therapy, Livestock diseases, Nematode infestation, Swine, Symptomatology.

The worms discussed were *Ascaris suum*, *Hyostrogylus rubidus*, *Ascarops strongulina*, *Physocephalus sexalatus*, *Oesophagostomum dentatum*, *Trichuris suis*, *Macracanthorhynchus hirudinaceus*, *Stephanurus dentatus*, *Metastrongylus apri* and *M. pudendotectus*.

6917-69

CONTRIBUTION TO THE PROBLEMS OF TOXIC ACTION OF *ASCARIDIA GALLI* ON LABORATORY ANIMALS. (CZ)

Z Boroskova
Biologia (bratislava) 22(12):929-934 REF
1967 442.8 B5265

Ascaridae, *Ascaridia galli*, Guinea pigs, Nematodes, Parasitism, Toxins. English, Czech, Russian and German abstracts

6918-69

THE BIOCHEMICAL MECHANISM OF ACTION OF THE ANTHELMINTIC DRUG TETRAMISOLE.

H van den Bossche P A J Janssen
Life Sci 6(16,PT 2):1781-1792 REF
15 Aug 1967 442.8 L62

Anthelmintics, *Ascaris lumbricoides* suum, Dehydrogenases, Drug therapy, Enzymes, Metabolism, Tetramisole.

6919-69

EVALUATION OF PARBENDAZOLE AS AN ANTHELMINTIC IN CATTLE.

R E Bradley
Amer J Vet Res 29(10):1979-1982
Oct 1968 41.8 AM3A

Anthelmintics, Cattle, Haemonchosis.

6920-69

STUDIES ON THE PATHOGENESIS OF TRICHOCEPHALIASIS IN SHEEP. (BU)

V Bratanov
Vet Med Nauk 5(5):39-46
1968 41.8 V6468

Nematodes, Parasitism, Sheep, Trichuriasis, Trichuris. English and Russian summaries.

6921-69

A NEW COMPOUND EFFECTIVE AGAINST ACUTE FASCIOLIASIS IN SHEEP.

A Campbell M K Martin K J Farrington A Erdelyi R Johnston
Experientia 23(12):992-993
15 Dec 1967 475 EX7

Chemical control (animal diseases), Drug therapy, Fascioliasis, Sheep.

6922-69

INVESTIGATION OF THE EFFECT OF PREPARATION BAYER 9015-12.50W.G. ON ADULT *FASCIOLA HEPATICA* IN SHEEP. (SE)

M Cankovic J Rukavina
Vet Glas 22(9):783-786
1968 41.8 J93

Bayer 9015, Dosage, Drug therapy, Fasciola hepatica, Livestock diseases, Nematode infestation, Sheep, Symptomatology. English and Russian summaries.

6923-69

EFFECTS OF TOTAL AND PARTIAL BODY RADIATION ON HELMINTHIC INFECTIONS.

L Casarosa
Pisa Univ Stud Fac Med Vet Ann 20:13-27 REF
1967 41.9 P67

Animals, Helminths, Irradiation. Italian and French summaries.

6924-69

IN VITRO CULTURE AND HATCHING OF *ASCARIDIA GALLI* EGGS.

R K Chatterjee K S Singh
Indian J Vet Sci Anim Husb 38(3):517-523 REF
Sep 1968 41.8 IN22

Animal diseases, Ascariasis, *Ascaridia galli*, Culture media, Nematode infestation.

6925-69

HISTOCHEMICAL STUDIES IN CHICK *ASCARIDIASIS*.

R K Chatterjee K S Singh
Indian J Vet Sci Anim Husb 38(3):509-516 REF
Sep 1968 41.8 IN22

Ascariasis, Chicks, Histochemistry, Poultry diseases.

6926-69

THE DEVELOPMENT OF THE INFECTIVE LARVA OF THE CANINE OESOPHAGEAL TUMOUR WORM *SPIROCERCA LUPI* IN RABBITS AND ITS HISTOPATHOLOGY.

N Chowdhury B P Pande
Z Parasitenk 32(1):1-10 REF
14 Apr 1969 442.8 Z33F

Animal histology, Animal physiology, Larvae, Rabbits, *Spirocerca lupi*.

6927-69

THE DETERMINATION OF ENTEROKINASE ACTIVITY IN THE DUCK INTESTINE DURING EXPERIMENTAL ECHINOSTOMATOSIS. (RU)

E Ciuniene
Acta Parasitol Lithuanica 8:95-101 REF
1968 436.9 AC8

Biochemistry, Ducks, *Echinostoma revolutum*, Enzymes, Helminthiasis, Intestines, Kinases, Metabolism.

6928-69

ANCYLOSTOMA CANINUM: FOOD RESERVES AND CHANGES IN COMPOSITION WITH AGE IN THIRD STAGE LARVAE.

F E Clark
Exp Parasitol 24(1):1-8 REF
Feb 1969 436.8 EX7

Aging, *Ancylostoma caninum*, Biochemistry, Carbohydrates, Larvae, Lipids, Metabolism, Proteins.

6929-69

THE SYSTEMIC ACTION OF METHYRIDINE AGAINST HELMINTHS, ESPECIALLY WHIPWORMS, IN DOGS.

M L Colglazier F D Enzie R H Burtner
Helminthol Soc Wash Proc 33(1):40-41
Jan 1966 436.9 H36

Anthelmintics, Dogs, Drug therapy, Methyridine, Nematodes, *Trichuris vulpis*.

6930-69

MEASUREMENTS OF THE OSMOTIC PRESSURE IN THE HABITAT OF *POLYMORPHUS MINUTUS* (ACANTHOCEPHALA) IN THE INTESTINE OF DOMESTIC DUCKS.

D W T Crompton S J Edmonds
J Exp Biol 50(1):69-77
Feb 1969 442.8 B77

Acanthocephala, Ducks, Habitats, Intestines, Livestock diseases, Osmotic pressure, Parasitism.

6931-69

THE INVESTIGATION OF ALKALINE PHOSPHATASE IN THE FECES OF PIGS DURING EXPERIMENTAL OESOPHAGOSTOMOSIS. (RU)

E Danilevicius A Matusevicius
Acta Parasitol Lithuanica 8:11-18 REF
1968 436.9 AC8

Alkaline phosphatase, Biochemistry, Nematodes, Oesophagostomiasis, Swine. English and Lithuanian abstracts.

6932-69

HISTOPATHOLOGY OF PARAFILARIASIS IN MULES.

V P S Dedrani S C Dutt
Cur Sci 36(9):240-241
05 May 1967 475 SCI23

Filariasis, Histopathology, Livestock diseases, Mules, Nematode infestation.

6933-69

RESULTS AND PROSPECTS OF DEHELMINTHIZATION MEASURES. (RUS)

N V Demidov
Veterinariya (12):46-50
Dec 1968 41.8 V6426

Anthelmintics, Livestock diseases, Veterinary medicine.

6934-69

CHEMICAL MOLLUSCICIDES AND THE PROPHYLAXIS OF HELMINTHIASIS WHICH CAN BE TRANSMITTED TO MAN BY FRESHWATER GASTEROPODS. (FR)

R Deschiens
Acad Sci Compt Rend Ser D Sci Nat 266(10, 1ST SEMESTER):1036-1038

04 Mar 1968 505 P21
Chemical control (pests), Gastropoda, Helminthiasis, Human diseases, Molluscicides.

6935-69

TRICHINELLA SPIRALIS: IMMUNE ELIMINATION IN MICE.

D D Despommier B S Wostmann

Exp Parasitol 24(2):243-250 REF

Apr 1969 436.8 EX7

Immunity, Mice, Nutrition, Trichinella spiralis.

6936-69

THE UKRAINE ON THE WAY OF FREEING ANIMAL HUSBANDRY FROM THE MAIN HELMINTHOSES. (RUS)

S R Didovets G K Bozhko

Veterinariya (12):8-11

Dec 1968 41.8 V6426

Animal husbandry, Helminthiasis, Livestock diseases.

6937-69

EPIZOOTIOLOGIC FACTORS OF INFESTATION BY TRICHOSTRONGYLIDAE IN OVINES IN LEON. (SP)

M F Diez

Oviedo Univ Fac Vet Leon An 13(13):53-108 REF

1967 41.9 OV4

Epizootic diseases, Nematode infestation, Parasitism, Sheep, Trichostrongylus. English and French summaries.

The most common species found are: *Ostertagia circumcincta*, *O. trifurcata*, *Trichostrongylus axei*, *T. colubriformis*, *T. vitrinus*, *Nematodirus filicollis* and *N. spathiger*.

6938-69

PELECELTUS CEYLONENSIS N. SP. FROM THE CHICK AND ASH-DOVE EXPERIMENTALLY INFECTED WITH LARVAE FROM MANSONIA CRASSIPES, AND FROM NATURALLY-INFECTED CROWS IN CEYLON.

A S Dissanaika

Ceylon J Sci Biol Sci 7(1-2):96-104 REF

Oct 1967 475 C33

Birds, Culicidae, Life cycle, *Mansonia*, Nematodes, *Peleceltus*, Poultry, Taxonomy. English abstract

6939-69

A HELMINTHOLOGICAL SURVEY OF WILD MINK IN WISCONSIN.

R S Dorney L H Lauerman

Wildlife Dis Ass Bull 5(1):35-36

Jan 1969 41.9 W64B

Helminthology, Minks, Parasitism, Surveys.

The following helminths were located: *Alaria mustelae*, *Euparyphium beaveri*, *Corynosoma constrictum*, *Capillaria* sp., *Filaroides martis*, *Skrjabin-gylus nasicozoa*, and *Molineus patens*.

6940-69

COUMAPHOS, A NEW ANTHELMINTIC FOR CONTROL OF CAPILLARIA OBSIGNATA, HETERAKIS GALLINARUM, AND ASCARIDIA GALLI IN CHICKENS.

T H Elcazer

Avian Dis 13(1):228-230

Feb 1969 41.8 AV5

Anthelmintics, *Ascaridia galli*, *Capillaria obsignata*, Chickens, Coumaphos, Helminthiasis, *Heterakis gallinarum*, Organophosphorus compounds, Parasitism, Poultry diseases.

6941-69

HELMINTHOSES AS ALLERGIC DISEASES. (RUS)

V S Ershov

Veterinariya (12):3G-41

Dec 1968 41.8 V6426

Allergies, Helminthiasis, Livestock diseases, Parasitism.

6942-69

WORM CONTROL IN SWINE.

D L Ferguson

Nebr Univ Ext Ec (69-219):13-14

Jan 1969 275.29 N272EX

Ascaris lumbricoides suum, Chemical control (nematodes), Nematode infestation, Paragonimus, Respiratory diseases, Swine, *Trichuris*.

6943-69

THE EPIZOOTIOLOGY OF OVINE VERMINOUS BRONCHOPNEUMONIAS IN LEON. (SP)

A P R Fernandez

Oviedo Univ Fac Vet Leon An 13(13):135-210 REF

1967 41.9 OV4

Dictyocephalus filaria, Epizootic diseases, Helminthiasis, Nematode infestation, Parasitism, Sheep. English and French summaries. Other less important nematodes were found.

6944-69

THE EFFECTS OF LOW TEMPERATURE ON THE SPORULATION AND SURVIVAL OF OOCYSTS OF EIMERIA PERFORANS, MEDIA, MAGNA AND IRRESIDUA. (IT)

G Francalanci

Nuova Vet 44(4 JUL-AUG):256-263

Jul 1968 41.8 N922

Coccidiosis, *Eimeria irrsidua*, *Eimeria magna*, *Eimeria media*, *Eimeria perforans*, Parasitism, Rabbits, Sporulation, Temperature. French, English and German summaries.

6945-69

CONTRIBUTION TO THE KNOWLEDGE OF PARASITIC FAUNA OF DOMESTIC ANIMALS AND SOME GAME IN VOJVODINA. (SE)

R Golosin A Kosovac T Panjevic-Blazekovic

Vet Glas 22(10):857-864 REF

1968 41.8 J93

Game animals, Livestock, Nematode infestation, Parasitism, Zoogeography. English and Russian summaries.

The spread of the following parasitic species was investigated: *B. divergens*, *T. genitalis*, *T. anscri*, *T. gondii*, *E. granulosus* and *T. spiralis*.

6946-69

REMARKS CONCERNING THE EXPERIMENTAL INFESTATION OF GUINEA PIGS WITH THE EAST AFRICAN STRAIN OF TRICHINELLA SPIRALIS. (FR)

S Gretillat G Vassiliades

Acad Sci Compt Rend Ser D Sci Nat 268(11, 1ST SEMESTER):1511-1514

17 Mar 1969 505 P21

Animal physiology, Calcification (physiological), Cysts, Guinea pigs, *Trichinella spiralis*.

6947-69

COMPARATIVE SUSCEPTIBILITIES OF THE CAT AND THE DOMESTIC PIG TO THE WEST AFRICAN STRAIN OF TRICHINELLA SPIRALIS. (OWEN, 1835). (FR)

S Gretillat G Vassiliades

Acad Sci Compt Rend Ser D Sci Nat 266(11, 1ST SEMESTER):1139-1141

11 Mar 1968 505 P21

Cats, Helminthiasis, Livestock diseases, Susceptibility, Swine, *Trichinella spiralis*.

6948-69

THE VALUE OF SOME STANDARDIZED TRICHINELLA SPIRALIS ANTIGENS, AS ESTIMATED BY INTRADERMAL TESTS. (FR)

A Haeig P Solomon L Ianco M Smolinski V

Badou Et Al

Arch Gesamte Virusforsch 26(2):273-278

Jun 1967 448.3 AR22

Antigens, Skin tests, Swine, *Trichinella spiralis*. Russian, German, and English abstracts

6949-69

REGIONAL RESEARCH IN NEMATODE PARASITES OF RUMINANTS IN THE WESTERN UNITED STATES, A 10-YEAR SUMMARY, 1958-1968.

D M Hammond D E Worley

Utah Agr Exp Sta Bull (480):25P

Feb 1969 100 UT1 (1)

Agricultural research, Bionomics, Nematodes, Nematology, Parasitism, Ruminants, Zoogeography.

6950-69

CRITICAL AND CONTROLLED LABORATORY TRIALS IN SHEEP WITH TETRAMISOLE.

J A Hart C Curr

Australian Vet J 44(8):373-376

Aug 1968 41.8 AU72

Anthelmintics, Dosage, Drug therapy, Gastrointestinal system, Helminthiasis, Sheep, Tetramisole.

Drug was used against: *Haemonchus contortus*, *Ostertagia*, *Trichostrongylus axei*, *T.*, *Nematodirus*, *Oesophagostomum columbianum*, and *Chabertia ovina*, and *Trichuris ovis*.

6951-69

THE INTRODUCTION OF NEMATODIRUS BATTUS (CROFTON AND THOMAS, 1951) INTO A NEW ENVIRONMENT.

O Helle

Vet Rec 84(7):157-160 REF

15 Feb 1969 41.8 V641

Anthelmintics, Farm management, Grazing, Larvac, Livestock diseases, *Nematodirus battus*, Temperature.

6952-69

AMINO ACID COMPOSITION OF SOME STRONGYLE PARASITES OF CATTLE.

H Herlich

Helminthol Soc Wash Proc 33(1):103-105

Jan 1966 436.9 H36

Amino acids, Biochemistry, Cattle, Chemical analysis, Cooperia, Nematodes, *Oesophagostomum radiatum*, *Ostertagia ostertagi*, *Trichostrongylus*.

6953-69

A PROPHYLACTIC TREATMENT FOR HEARTWORM INFESTATION OF DOGS.

J L Hills

Australian Vet J 44(6):297

Jun 1968 41.8 AU72

Blood analysis, *Dirofilaria immitis*, *Dirofilariasis*, Dogs, Dosage, Drug therapy.

6954-69

STUDIES ON THE ACQUIRED RESISTANCE OF GOATS TO HAEMONCHUS SPP.

S Husain P G Deo

Indian J Vet Sci Anim Husb 38(3):478-483 REF

Sep 1968 41.8 IN22

Goats, *Haemonchus*, Nematodes, Veterinary medicine.

6955-69

THE GEOGRAPHICAL AND EVOLUTIONARY RELATIONSHIPS OF AUSTRALIAN TRICHOSTRONGYLOID PARASITES AND THEIR HOSTS.

W G Inglis

Linn Soc London J Zool 47(312):327-347 REF

Apr 1968 410.9 L64

Evolution, Host relationships, Nematodes, Parasitism, *Strongyloides*, Vertebrates. English abstract

6956-69

RIDDING SHEEP BREEDING FARMS OF HELMINTHOSES. (RUS)

I Kh Irgashev

Veterinariya (12):18-19

Dec 1968 41.8 V6426

Animal breeding, Helminthiasis, Livestock diseases, Sheep.

6957-69

INVESTIGATION INTO THE HELMINTHID FAUNA OF DEER (*CAPREOLUS* (*APREOLUS* L.) IN THE BULGARIA. II. MATERIAL ON THE HELMINTHID FAUNA OF DEER (*CAPREOLUS* (*APREOLUS* L.) IN THE BALKAN MOUNTAINS. (GE)

J Jancev

Bulgarska Akad Nauk Zool Inst Muz Izv 25:72

1967 410.9 B8721

Catalogs, Deer, Helminths. German abstract

- 6958-69
HISTOCHEMICAL AND BACTERIOLOGICAL STUDIES ON DIGESTION IN NINE SPECIES OF LEECHES (ANNELIDA: HIRUDINEA).
J B Jennings V M van der Lande
Biol Bull 133(1):166-183 REF
Aug 1967 442.8 B52
Bacteria, Digestion, Enzymes, Hirudinea, Histochemistry.
- 6959-69
ON THE NEMATODE FAUNA OF DOMESTIC FOWL IN THE LITHUANIAN SSR. (RU)
J Kazlauskas G Volskis A Slikas
Acta Parasitol Lithuanica 7:45-48
1968 436.9 AC8
Chickens, Helminthiasis, Lithuania, Nematodes, Surveys. English and Lithuanian abstracts.
- 6960-69
PARASITOLOGICAL SITUATION ON THE HEN FARMS IN LITHUANIA. (RU)
J Kazlauskas T Arnastauskiene
Acta Parasitol Lithuanica 7:39-43
1968 436.9 AC8
Chickens, Parasitology, Poultry diseases, Surveys. English and Lithuanian abstracts.
- 6961-69
GROWTH AND DEVELOPMENT OF POULTRY ECHINOSTOMATIDS IN THE ORGANISM OF DEFINITIVE HOST. (RU)
V Kisielienė
Acta Parasitol Lithuanica 7:55-66 REF
1968 436.9 AC8
Echinostoma revolutum, Helminthiasis, Physiology, Poultry. English and Lithuanian abstracts.
- 6962-69
AESCHNA GRANDIS L., A NEW ADDITIONAL HOST OF PROSTHOGONIMUS CUNEATUS (RUD., 1809) (TREMATODA. PROSTHOGONIMIDAE). (RU)
V Kisielienė
Acta Parasitol Lithuanica 7:67-69
1968 436.9 AC8
Aeshna grandis, Insect vectors, Poultry, Prosthogonimus cuneatus. English and Lithuanian abstracts.
- 6963-69
MORPHOLOGIC AND HISTOCHEMICAL STUDIES ON THE NERVOUS SYSTEM OF TAPEWORMS REVEALED BY THE CHOLINESTERASE METHOD (TAENIA HYDATIGENA, DIPYLIDIUM CANINUM AND MONIEZIA EXPANSA).
N Kralj
Vet Arh 37(9-10):277-286 REF
1967 41.8 V6416
Animal morphology, Cestoda, Cholinesterases, Dipylidium, Histochemistry, Moniezia expansa, Nervous system, Taenia hydatigena. French and Yugoslavian abstracts
- 6964-69
THE INVESTIGATIONS OF MAIN INTESTINE ENZYMES--ENTEROKINASE AND ALKALINE PHOSPHATASE IN EXPERIMENTAL PIG TRICHOCEPHALIASIS. (RU)
V Kuciukas A Medzevicius
Acta Parasitol Lithuanica 8:39-46 REF
1968 436.9 AC8
Alkaline phosphatase, Biochemistry, Enzymes, Intestines, Kinases, Nematodes, Swine, Trichuriasis. English and Lithuanian abstracts.
- 6965-69
METABOLIC FATE OF HISTIDINE IN THE PARASITIC WORM FASCIOLA HEPATICA L..
B Kurelec M Rijavec R Klepac
Compar Biochem Physiol 29(2):885-887
May 1969 444.8 C73
Chromatography, Fasciola hepatica, Histidine, Metabolism, Radioactive tracers, Tissue culture.
- 6966-69
STUDY OF BLOOD SERUM OF PARASITIZED ANIMALS. I. ELECTROPHORESIS. (SP)
J Lopez-Gorgc F Sanchez-Rasero M Montcoliva
Rev Iberica Parasitol 27(1-2, JAN-JUN):11-23 REF
Jun 1967 436.8 R32
Ascaris, Blood proteins, Blood serum, Echinococcosis, Electrophoresis, Livestock, Parasitism. English abstract
- 6967-69
THE EPIZOOTIOLOGY OF DICROCELIOIS IN THE PROVINCE OF LEON. (SP)
J Lozano
Oviedo Univ Fac Vet Leon An 13(13):211-285 MAP REF
1967 41.9 OV4
Animal vectors, Cattle, Dicrocoeliasis, Epizootic diseases, Formicidac, Helminths, Insect vectors, Sheep. English and French summaries.
- 6968-69
ECHINOCOCCUS GRANULOSUS EQUINUS WILLIAMS AND SWEATMAN, 1963 IN ITALY; EPIZOOTIOLOGICAL ASPECTS AND MORPHOLOGICAL AND BIOLOGICAL STUDIES OF THE PARASITE. (IT)
G Macchioni C Gallo
Pisa Univ Stud Fac Med Vet Ann 20:58-77 REF
1967 41.9 P67
Echinococcus granulosus, Epizootic diseases, Helminths, Horses, Parasitism. English and French summaries.
- 6969-69
STANDARD TECHNIQUES FOR LARVAL DISCOVERY IN MICROASCARIDIC INFECTION BY TOXOCARA CANIS (WERNER, 1782) IN THE WHITE MOUSE; OBSERVATIONS ON THE LARVAL MIGRATIONS AND BURDENS IN THE EXPERIMENTAL INFECTIONS CONFERRED THROUGH ORAL, INTRAPERITONEAL AND SUBCUTANEOUS ROUTE. (IT)
G Macchioni A Marconcini
Pisa Univ Stud Fac Med Vet Ann 20:85-102 REF
1967 41.9 P67
Mice, Nematode infestation, Tissue culture, Toxocara canis. English and French summaries.
- 6970-69
SHEEP COENUROSIS CONTROL IN UZBEKISTAN. (RUS)
N M Matchanov
Veterinariya (12):15-16
Dec 1968 41.8 V6426
Coenurosis, Livestock diseases, Sheep.
- 6971-69
THE DYNAMICS OF TOTAL PROTEIN AMOUNT AND PROTEIN FRACTIONS IN THE BLOOD SERUM DURING EXPERIMENTAL PIG TRICHOCEPHALIASIS. (RU)
A Medzevicius L Titiskyte V Kuciukas
Acta Parasitol Lithuanica 8:57-64
1968 436.9 AC8
Blood chemistry, Blood serum, Nematodes, Proteins, Swine, Trichuriasis. English and Lithuanian abstracts.
- 6972-69
CATTLE PARAMPHISTOMATIDOSIS IN POLESYE. (RUS)
A I Mereminsky I Ya Gluzman Yu G Artemenko
Veterinariya (12):51-54
Dec 1968 41.8 V6426
Amphistomiasis, Cattle, Livestock diseases, Paramphistomum.
- 6973-69
NEUROSECRETORY CELLS IN THE VENTRAL NERVE CORD OF LEECH (HIRUDINARIA GRANULOSA).
N K Mishra
Experientia 23(12):1055-1056
15 Dec 1967 475 EX7
Biochemistry, Hirudinea, Histology, Nerves.
- 6974-69
THORNY-HEADED WORM INFECTION IN NORTH AMERICAN PREHISTORIC MAN.
J G Moore G F Fry E Englert
Science 163(3873):1324-1325 REF
21 Mar 1969 470 SCI2
Acanthocephala, Feces, Humans, Nematode vectors, Rodents.
- 6975-69
SOME FACTORS OF OVINE INFESTATION WITH PROTOSTRONGYLIDAE. (SP)
E M Morales
Oviedo Univ Fac Vet Leon An 13(13):109-134 REF
1967 41.9 OV4
Nematode infestation, Nematode migration, Sheep, Snails. English and French summaries.
- 6976-69
A PHYSICO-CHEMICAL APPROACH TO THE SEROLOGICAL DIAGNOSIS OF CYSTICERCOSIS.
N Morris E M Proctor R Elsdon-Dew
S Afr Vet Med Ass J 39(4):41-43
Dec 1968 41.8 SO8
Antigens, Diagnosis, Echinococcosis, Electrophoresis, Helminths, Hemagglutination-inhibition test, Livestock diseases, Precipitin test, Swine.
- 6977-69
THE GUILTY FOX.
L Morrisroe
J Agr 66(9):318-320
Sep 1968 23 V66J
Cestoda, Cysts, Discase transmission, Foxes, Livestock diseases, Parasitism, Sheep, Taenia, Virus diseases (animals).
- 6978-69
SPERMATIL FINESTRUCTURE OF ECHINOCOCCUS GRANULOSUS AND DICROCOELIUM DENDRITICUM.
D J Morseth
Exp Parasitol 24(1):47-53 REF
Feb 1969 436.8 EX7
Cytology, Dicrocoelium dendriticum, Echinococcus granulosus, Electron microscopy, Spermatozoa, Ultrastructure.
- 6979-69
HOMOCYTOTROPIC ANTIBODY RESPONSE IN MICE INFECTED WITH SCHISTOSOMA MANSONI: COMPARISON WITH THE RESPONSE FOLLOWING TRICHINELLA SPIRALIS INFECTION.
I Mota E H Sadun R W Gore
Exp Parasitol 24(2):251-258 REF
Apr 1969 436.8 EX7
Fluorescent antibody technic, Mice, Schistosoma, Serological tests, Trichinella spiralis.
- 6980-69
BRACHYLAIMA DEGIUSTII N. SP. FROM COLUMBA LIVIA IN VENEZUELA.
P Nasir L Rodriguez M
Helminthol Soc Wash Proc 33(2):170-172
Jul 1966 436.9 H36
Pigeons, Taxonomy, Trematoda, Zoogeography.
- 6981-69
EFFICACY OF TETRAMISOLE ON NEMATODE INFECTIONS OF DOGS.
A A Noujaim S M Gaafar
Vet Med/small Anim Clin 63(10):986
Oct 1968 41.8 M69
Ancylostoma caninum, Dogs, Drug therapy, Helminthiasis, Nematodes, Parasitism, Tctramisole, Toxocara canis, Trichuris vulpis.
- 6982-69
ECTOPARASITES AND HELMINTH ENDOPARASITES OF THE TREE SQUIRRELS OF SOUTHWEST TENNESSEE.
W A Olexik A E Perry W E Wilhelm
Tenn Acad Sci J 44(1):4-6 REF
Jan 1969 500 T25A

6983-69

Cestoda, Nematodes, Orchopeas, Parasitism, Squirrels, Trematoda.

6983-69

PROBLEMS OF THE ERADICATION OF THE MOST IMPORTANT HELMINTHOSSES. (RUS)

I V Orlov

Veterinariya (12):50-51

Dec 1968 41.8 V6426

Helminthiasis, Livestock diseases.

6984-69

CHEMOTHERAPEUTIC AGENTS.

G F Otto

Amer Vet Med Ass J 154(4):387-390

15 Feb 1969 41.8 AM3

Anthelmintics, Arsenamide, Diethylcarbazine, Dirofilaria immitis, Dithiazane iodide, Dogs, Drug therapy, Nematodes.

6985-69

HOME PRODUCED CYAZID IS A HIGHLY EFFECTIVE ANTHELMINTHIC AGAINST SHEEP DICTYOCAULOSIS. (ROS)

D I Panasyuk E S Khutoretsky

Veterinariya (12):55-56

Dec 1968 41.8 V6426

Cyazid, Drug therapy, Livestock diseases, Sheep, Verminous bronchitis.

6986-69

HELMINTHOLOGICAL EVALUATION OF DEEP LITTER IN POULTRY HOUSES. (RUS)

Z A Panina

Veterinariya (12):98-99

Dec 1968 41.8 V6426

Bedding (livestock), Helminthology, Poultry houses, Sanitation.

6987-69

BLOOD PARASITES FOUND IN IMPORTED BIRDS AT POST-MORTEM EXAMINATION.

M A Peirce

Vet Rec 84(5):113-116 REF

01 Feb 1969 41.8 V641

Autopsies, Birds, Blood parasites, Haemoproteus, Infectious diseases, Leucocytozoon disease, Microfilariae, Parasitism, Plasmodium, Tables (data), Trypanosoma.

6988-69

CANINE FILARIASIS ON OKINAWA, RYUKYU ISLANDS.

N E Pennington C A Phelps

J Med Entomol 6(1):59-67

30 Jan 1969 42.1 J828

Dipetalonema reconditum, Dogs, Ectoparasites, Filariasis, Helminths, Insect vectors, Medical entomology.

6989-69

COMPLEX INVESTIGATION OF THE FUNCTIONAL STATE OF THE LIVER IN THE COURSE OF EXPERIMENTAL FLUKEWORM DISEASE IN SHEEP. (POL)

E Pinkiewicz S Grzebula M Pienkowski A

Zimowski

Lublin Univ Mariae Curie Ann Sect Dd 22:167-

190 REF

1967 512 L96AD

Enzymes, Fasciola hepatica, Liver, Liver function tests, Livestock diseases, Sheep, Trematoda. English and Russian summaries.

6990-69

ADENOSINETRIPHOSPHATASE ACTIVITY IN MUSCLE TISSUE MITOCHONDRIA OF SWINE ASCARID (ASCARIS SUUM, GOEZE, 1758). (RUS)

L I Povyakel

Med Parazitol Parazitarn Bolezni

37(5,SEP/OCT):530-533 REF

1968 448.8 M469

Adenosinetriphosphatase, Ascaris lumbricoides suum, Enzymes, Mitochondria, Muscles, Nematodes, Swine. English summary.

6991-69

PRACTICE OF ANIMAL DICTYOCAULOSIS AND FASCIOLIASIS CONTROL. (RUS)

A A Poyarkov

Veterinariya (12):11-14

Dec 1968 41.8 V6426

Fascioliasis, Livestock diseases, Verminous bronchitis, Veterinary medici ne.

6992-69

CLINICAL OBSERVATIONS AND STUDIES REGARDING THE ETIOLOGY OF ENZOOTICALLY OCCURRING BOVINE KERATOCONJUNCTIVITIS, WITH PARTICULAR CONSIDERATION OF THELAZIA. (GE)

H Prange R Kokles G Zimmermann

Monatsh Vet 23(18):692-698 REF

15 Sep 1968 41.8 M742

Cattle, Keratoconjunctivitis, Livestock diseases, Nematode infestation, Thelazia. English and Russian summaries.

6993-69

THE GLYOXYLATE CYCLE, FRUCTOSE-1,6-DIPHOSPHATASE AND GLYCOGENOGENESIS IN FASCIOLA HEPATICA.

R K Prichard P J Schofield

Compar Biochem Physiol 29(2):581-590 REF

May 1969 444.8 C73

Biochemistry, Enzymes, Fasciola hepatica, Glyconeogenesis, Metabolism.

6994-69

ON THE BIOLOGY OF APATEMON GRACILIS (RUD., 1819), A TREMATODE PARASITIZING IN DOMESTIC AND WILD DUCKS. (RU)

D Raisyte

Acta Parasitol Lithuanica 7:71-84

1968 436.9 AC8

Apatemon gracilis, Biology, Ducks, Ecology, Gastrointestinal system, Trematoda. English and Lithuanian abstracts.

6995-69

THE NUMBERS AND DYNAMICS OF EGGS PRODUCED BY A TREMATODE APATEMON GRACILIS (YAMAGUTI, 1933) IN RELATION TO THE AGE OF A HOST AND POST-INFECTION IMMUNITY. (RU)

D Raisyte

Acta Parasitol Lithuanica 8:65-73

1968 436.9 AC8

Aging, Apatemon gracilis, Ducks, Immunity, Trematoda. English and Lithuanian abstracts.

6996-69

METASTRONGYLUS SALMI GEPOELST, 1923 -THE PIG PARASITE.

N S K Rao

Cur Sci 38(5):117

05 Mar 1969 475 SCI23

Helminthiasis, Livestock diseases, Metastrongylus salmi, Nematodes, Swine.

6997-69

BOVINE OSTERTAGIA INFECTION. BIBLIOGRAPHY ORGANIZED AROUND THE DISEASE, ITS TREATMENT, AND ITS PREVENTION. (FR)

J P Raynaud

Rec Med Vet 144(8):743-769 REF

1968 41.8 R24

Cattle, Diagnosis, Ostertagiasis, Thiazolyl)-benzimidazole, 2-(4-. English and spanish abstracts

6998-69

A SURVEY OF PARASITES IN LABORATORY PRIMATES.

L V Reardon B F Rininger

Lab Anim Care 18(5):577-580 REF

Oct 1968 410.9 P94

Animal diseases, Cestoda, Health surveys, Helminths, Monkeys, Nematodes, Parasitism, Protozoa, Trematoda. Listing of the number of parasites found in each kind of monkey.

6999-69

A COMPARATIVE STUDY OF THE ACTIVITIES OF 2,6-DIHDOPARA-NITROPHENOL (DISOPHENOL) AND 2-PARA-THIAZOLYL-BENZIMIDAZOLE (THIABENDAZOLE) AS ANTHELMINTHIC FOR SHEEP. (POR)

U F Rocha M S de Campos J O Prucoli P C

Goncalves R G Serra

Bol Indus Anim 24(1):89-103

1967 49 R324

Anthelmintics, Diiodo-4-nitrophenol, 2,6-Haemonchus contortus, Oesophagostomum, Sheep, Thiazolyl)-benzimidazole, 2-(4-, Trichuris. English abstract

7000-69

VISCERAL CYSTICERCOSIS IN BOVINE ANIMALS. (IT)

B Romboli G Del Bono N Pellegrini P Pierotti

Pisa Univ Stud Fac Med Vet Ann 20: 64-296 REF

1967 41.9 P67

Cattle, Cysticercus, Helminths, Livestock diseases, Viscera. English and French summaries.

7001-69

AN APPROACH TO THE TREATMENT OF OUTBREAKS OF FASCIOLIASIS IN SHEEP.

J G Ross

Irish Vet J (N s)22(4):62-68

Apr 1968 41.8 IR4

Anthelmintics, Drug therapy, Fasciola hepatica, Fascioliasis, Helminths, Livestock diseases, Sheep.

7002-69

REPORT ON THE WORKING PARTY ON LIVER-FLUKE IN WALES.

W T Rowlands

Vet Rec 84(7):154-157

15 Feb 1969 41.8 V641

Clonorchis, Copper sulfate, Drainage, Drug therapy, Farm management, Fascioliasis, Grazing, Livestock diseases, Molluscacides.

7003-69

A FIELD STUDY OF CHEMICAL PROPHYLAXIS AGAINST THE DEVELOPING STAGES OF DIROFILARIA LIMITIS IN THE DOG.

F Roy-Smith C H Carlisle

Australian Vet J 44(11):508-509

Nov 1968 41.8 AU72

Diethylcarbazine dihydrogen citrate, Dirofilaria immitis, Dirofilariasis, Dogs, Dosage, Drug therapy, Parasitism.

7004-69

TREATMENT OF GASTROINTESTINAL PARASITISM OF CATTLE WITH PARBENDAZOLE.

R Rubin

Amer Vet Med Ass J 154(2):177-180

15 Jan 1969 41.8 AM3

Anthelmintics, Cattle, Gastrointestinal diseases, Nematodes, Nematodirus, Oesophagostomum, Ostertagia, Trichostrongylidae.

7005-69

THE EFFICIENCY OF COPPER SULPHATE, PHENOTHIAZINE AND SODIUM CHLORIDE MIXTURE AGAINST SHEEP HELMINTHOSSES. (RUS)

L N Savinkova L A Chukleb

Veterinariya (12):54-55

Dec 1968 41.8 V6426

Anthelmintics, Copper sulfate, Drug therapy, Helminthiasis, Livestock diseases, Phenothiazine, Sheep, Sodium chloride.

7006-69

VOLATILE FATTY ACIDS EXCRETED BY FASCIOLA HEPATICA, L.. (RU)

J Scnutaitė

Acta Parasitol Lithuanica 8:75-80 REF

1968 436.9 AC8

Acetic acid, Carbohydrates, Excreta, Fasciola hepatica, Fatty acids, Metabolism, Propionic acid. English and Lithuanian abstracts.

7007-69
MATERIALS FOR THE INVESTIGATION OF HELMINTHOSIS PATHOGENESIS. (RUS)

R S Shults E A Davtyan
Veterinariya (12):43-46
 Dec 1968 41.8 V6426
 Helminthiasis, Livestock diseases, Veterinary medicine.

7008-69
ACHIEVEMENTS OF SOVIET INVESTIGATORS IN THE STUDY OF HELMINTH BIOLOGY AND HELMINTHOSIS EPIZOOTIOLOGY. (RUS)

E E Shumakovich
Veterinariya (12):41-43
 Dec 1968 41.8 V6426
 Biology, Epizootic diseases, Helminthiasis, Helminthology.

7009-69
ADULTS OF EUMEGACETES ARTAMII FROM WHITE LEGHORN PULLETS INFECTED WITH THE METACERCARIAE FROM TWO DRAGONFLIES.

P Singh B P Pandic
Cur Sci 37(19):563-564
 05 Oct 1968 475 SCI23
 Chickens, Eumegacetes artamii, Insect vectors, Odonata, Parasitism, Trematoda.

7010-69
OBSERVATIONS ON THE OCCURRENCE OF THELAZIA OR EYEWORM INFECTION OF CATTLE IN NORTHERN NEW SOUTH WALES.

M G Smeal
Australian Vet J 44(11):516-521 REF
 Nov 1968 41.8 AU72
 Cattle, Eyes, Keratoconjunctivitis, Livestock diseases, Thelazia.

7011-69
FURTHER EXPERIMENTS ON THE TREATMENT OF STRONGYLOIDES INFESTATION OF HORSES WITH THIABENDAZOLE. (GE)

M Stoye
Deut Tierarztl Wochensh 75(24):622-625 REF
 15 Dec 1968 41.8 D482
 Drug therapy, Horses, Livestock diseases, Nematode infestation, Strongyloides, Thiazolyl-benzimidazole, 2-(4-.

7012-69
AN IMPROVED PORTABLE SHEEP DIPPING VAT.

R K Strickland O J Hummon J L Hourigan
Amer Vet Med Ass J 151(2):188-190
 15 Jul 1967 41.8 AM3
 Agricultural mechanics, Dipping, Equipment, Sca-bies, Sheep.

7013-69
THE FINE STRUCTURE OF THE SPERMATOOZON OF SHEEP TAPEWORM, MONIEZIA EXPANSA (RUD., 1810)(CYCLOPHYLLIDEA, ANOPELOCEPHALIDAE).

Z Swiderski
Zool Pol 18(4):475-486 REF
 1968 410 Z712
 Electron microscopy, Moniezia expansa, Sheep.

7014-69
CYTOCHROME C OXIDASE IN MIGRATING LARVAE OF ASCARIS LUMBRICOIDES VAR. SUUM.

S R Sylk
Exp Parasitol 24(1):32-36 REF
 Feb 1969 436.8 EX7
 Ascaris lumbricoides, Biochemistry, Cytochrome oxidase, Larvae, Metabolism, Swine.

7015-69
ANTHELMINTIC TREATMENT OF SOWS WITH THIABENDAZOLE.

R J Thomas W C Smith
Vet Rec 83(19):489-491 REF
 09 Nov 1968 41.8 V641

Anthelmintics, Drug therapy, Hyostrogylus rubidus, Nematode infestation, Oesophagostomum, Parasitism, Swine, Thiazolyl-benzimidazole, 2-(4-.

7016-69
NEBRASKA'S SPECIFIC PATHOGEN-FREE (SPF) SWINE PROGRAM; TENTH YEAR REPORT.

N R Underdahl R E Coupé D L Ferguson E R Pco M J Twichaus
Nebr Univ Coll Home Econ Quart Serv Farm Ranch Home 499:15P REF
 Jul 1968 100 N27N
 Ascariasis, Ascaris, Germ-free life, Livestock diseases, Parasitism, Reports, Swine, Uterus.

7017-69
MONOPHOSPHORIC ACID ESTERS OF HALOGEN CONTAINING 2,2'-METHYLENEDIPHENOLS. PATENT 3,439,069.

S Van Der Meer H Pouwels
Us Patent Office Offic Gaz 861(3):931
 15 Apr 1969 156.65 OF2
 Drugs, Fascioliasis, Halogens, Methylene-diphenols, 2,2'-, Patents, Phosphoric acid esters.

7018-69
ON THE INFECTION OF THE LITHUANIAN BIRDS BY THE CESTODES. (RU)

G Volskis
Acta Parasitol Lithuanica 7:21-29 REF
 1968 436.9 AC8
 Birds, Cestoda, Ecology, Surveys. English and Lithuanian abstracts.

7019-69
EPIDEMIOLOGY OF HELMINTH INFESTATION OF BEEF CATTLE IN CENTRAL QUEENSLAND.

R Winks
Australian Vet J 44(8):367-372 REF
 Aug 1968 41.8 AU72
 Animal ecology, Beef cattle, Cattle, Epidemiology, Haemonchus placei, Helminthiasis, Oesophagostomum radiatum.

7020-69
HELMINTHOSIS LIQUIDATION- A RESERVE OF INCREASING ANIMAL PRODUCTION. (RUS)

S A Yakovlev
Veterinariya (12):6-8
 Dec 1968 41.8 V6426
 Helminthiasis, Livestock diseases.

7021-69
A COMPARATIVE ANALYSIS OF THE LOCALIZATION OF CHOLINESTERASE ACTIVITY IN SOME PARASITIC NEMATODES. II. ASCARIS SUUM, PARASCARIS EQUORUM, NEOASCARIS VITULORUM AND OXYURIS EQUI.

D Znidaric
Vet Arh 37(9-10):268-276 REF
 1967 41.8 V6416
 Animal physiology, Ascaridae, Biochemistry, Cholinesterases, Nematodes, Oxyuridae. French and Yugoslavian abstracts

COMMODITY PROTECTION

7022-69
RADIOBIOLOGICAL DAMAGE: A NEW CLASS IDENTIFIED IN BARLEY SEEDS STORED AFTER IRRADIATION.

B V Conger R A Nilan C F Konzak
Science 162(3858):1142-1143
 06 Dec 1968 470 SCI2
 Barley, Cobalt isotopes, Gamma rays, Plant genetics, Plant physiology, Radiobiology, Seeds, Storage, Temperature.

7023-69
A SINGLE-SPORE ANALYSIS OF RUST PUSTULES PRODUCED BY MIXING ISOLATES OF TWO RACES OF PUCCINIA CORONATA VAR. AVENAE.

A Dinoro J Khair
Can J Bot 46(11):1455-1458
 Nov 1968 470 C16C
 Culture media, Fungus diseases (plants), Genetics, Injections, Puccinia coronata, Research, Rust.

7024-69
STUDY ON THE IMMUNOGENICITY OF COCOA BEANS. (POR)

Y Levanon S M O Rossetini
Inst Adolfo Lutz Rev 25(27:1-9 REF
 1967 449.9 SA62
 Antigens, Cocoa, Fermentation, Immunogenicity, Industry, Ring test. English summary.

STORAGE DISEASES

7025-69
SENSITIVITY OF STORED MELON FRUIT FUNGI TO GAMMA IRRADIATION.

R Barkai-Golan R S Kahan N Temkin-Gorodeiski
Int J Appl Radiat Isotopes 19(7):579-583 REF
 Jul 1968 334.8 IN84
 Alternaria tenuis, Dosage, Fruit, Fungus diseases (plants), Fusarium, Gamma rays, Irradiation, Melons, Penicillium, Rot, Storage diseases. German, French, and Russian summaries.

7026-69
STUDIES ON STORED GRAIN FUNGI. PART I.-FUNGI FROM WHEAT AND RICE FROM KARACHI.

S M Hasany M Yousuf S S Husain
Pakistan J Sci Indus Res 11(3):288-293
 Jul 1968 475 P174
 Fungi, Fungicides, Fungus diseases (plants), Mercury chloride, Rice, Wheat.

Forty-three species of fungi representing seven genera were isolated from rice and wheat stored in godowns in Pakistan. Aspergillus flavus was the most prevalent species found, and surface treatment with 1:1000 Mercuric chloride for five min. greatly inhibited fungal growth.

7027-69
OXYGEN AND CARBON DIOXIDE AFFECT THE GROWTH OF WOOD-DECAYING FUNGI.

K F Jensen
Forest Sci 13(4):384-389 REF
 Dec 1967 99.8 F7632
 Carbon dioxide, Fungi, Oxygen, Physiology.

7028-69
THE IMPORTANCE OF RELATIVE HUMIDITY IN THE STORAGE OF CEREALS. (POR)

D Puzzi
Biologico 35(1):17-20
 Jan 1969 442.8 B529
 Grain, Humidity, Sitophilus oryzae, Stored products.

7029-69
A NEW DISEASE OF POTATO TUBERS CAUSED BY GILMANIELLA HUMICOLA BARON.

D Sahai
Cur Sci 36(23):645-646
 05 Dec 1967 475 SCI23
 Deuteromycetes, Fungus diseases (plants), Morphology, Potatoes, Storage diseases.

Gilmaniella humicola, a fungus, was identified as the agent causing necrotic spots around lenticels and eyes of potatoes. This is the first report of the fungus attaching potato tubers. It may become a serious disease due to its destruction of all the tuber eyes upon storage and thus affecting its seeding capacity.

ARTHROPODS

7030-69
FUMIGATE STORED RICE TO REDUCE LOSS TO INSECTS.
 J L Bagant

Rice J 72(3):15-16
Mar 1969 59.8 R36
Aluminum phosphide, Anobiidae, Chemical control (insects), Chlorinated hydrocarbons, Cucujidae, Fumigants, Insect pests, Insecticides, Malathion, Methoxychlor, Organophosphorus compounds, Rice, Storage, Tenebrionidae.

7031-69
LABORATORY TESTS OF FIVE NEW INSECTICIDES AS PROTECTANTS FOR STORED ROUGH RICE. (ABSTRACT).

R R J Cogburn
Rice J 71(13):21
Dec 1968 59.8 R36
Benzylidene O,O-dimethyl phosphorodithioate, S-, Dimethyl O-(4-nitro-tolyl) phosphorothioate, O,O-, Insecticides, Isopropoxyphenyl methylcarbamate, o-, Laboratories, Malathion, Methylbenzyl 3-hydroxy-cis-crotonate dimethyl phosphate, alp o, Rice, Storage. Abstracts furnished by David F. Houston, 223 Behrens St., El Cerrito, Calif.

7032-69
TERMITE WORKERS. (FR)
J de Feytaud
Paris Acad Agr France Compt Rend Hebd Seances 53(4):276-277
1967 14 P215BC
Insect behavior, Isoptera, Reviews, Social insects.

7033-69
PROTECT STORED GRAIN FROM INSECT DAMAGE.
J C French H Womack
11:2P.
May 1968
Dusting, Grain, Insecticides, Insects, Spraying, Storage, Storage injuries, Stored product insects.

7034-69
STORED GRAIN INSECTS AS CARRIER OF FUNGI.
S S Hushin S S Qureshi S A Hasan M Anwarullah
Pakistan J Sci Indus Res 11(3):297-298
Jul 1968 475 P174
Bruchus, Catalogs, Fungi, Sitophilus oryzae, Stored product insects, Tribolium confusum, Trogoderma granarium.
Several stored grain insects, Tribolium confusum, Bruchus chinensis, Trogoderma granarium and Sitophilus oryzae were examined for fungi. Fourteen species representing four genera were isolated.

7035-69
NEW POSSIBILITIES OF PEST CONTROL IN MILLS AND FLOUR STORAGE BY DDVP CHEMICALS. (SE)
B Ilic G Divar I Gici-Kalinovic
Agrohemijska (3/4):121-130
1968 385 AG87
Acarina, Chemical control (pests), Dichlorvos, Flour, Laemophloeus, Storage, Tenebrio molitor, Tenebroides mauritanicus, Tribolium. English summary.

7036-69
MASS APPEARANCE AT BRUSSELS OF SITOTROGA CEREALELLA OL. (GELECHIIDAE). (FR)
E Janmouille
Lambilliona 66(7/10):70-71
05 Sep 1967 420 N15
Food contamination, Gelechiidae, Grain, Insect identification, Insect outbreaks, Sitotroga cerealella, Zoogeography.

7037-69
SAVING STORED RICE FROM ATTACKS OF INSECT PESTS.
P B Mookherjee B N Bose
Indian Farming 17(3):32-33
Jun 1967 22 IN283
Benzene hexachloride, Chemical control (insects), Chlorinated hydrocarbons, Containers, Dieldrin, DDT, Endrin, Insect pests, Insecticides, Pyrethrum,

Rice, Sitophilus oryzae, Stored products.
Stored rice to be used only for seed may be protected from insects by spraying with DDT, BHC, dieldrin, endrin, or pyrethrins. Rice for consumption purposes should be parboiled, dried, and stored in air-tight containers.

RODENTS AND OTHER PESTS

7038-69
TOLERANCE STATUS OF SOME RATS TO AN ANTICOAGULANT RAT POISON.
P J Deoras
Cur Sci 36(8):207-208
20 Apr 1967 475 SCI23
Anticoagulants, Rats, Rodenticides, Warfarin.

7039-69
SURVIVAL OF ENCYSTED LARVAE OF TRICHINELLA SPIRALIS: EFFECT OF EXPOSURE TO 0 F, USING PRECOOLED AND FRESH GROUND PORK.
C H Hill
Helminthol Soc Wash Proc 33(2):130-133
Jul 1966 436.9 H36
Cold storage, Cysts, Larvae, Pork, Temperature, Trichinella spiralis.
Tests were made on the survival of encysted larvae of Trichinella spiralis in ground pork packages at a temperature of 0 F. The study used pork that had first been precooled at 35 F for 104 to 171 days and pork from freshly killed hogs. Larvae in precooled pork survived for as long as 280 hours but only for 232 hours in fresh pork. These results indicated that precooling or preconditioning increases the resistance of larvae to the lethal effects of a temperature of 0 F.

7040-69
ANTICOAGULANT RESISTANCE IN EUROPE.
W B Jackson
Pest Contr 37(3):51-55
Mar 1969 449.8 EX8
Anticoagulants, Coumarin, Rats, Rodent control, Rodenticides, Warfarin.

7041-69
THIEVES IN THE POULTRY HOUSE.
W A Kollner
Poultry Farmer (Sydney) 36(29):10-12,14-15
25 Jan 1969 280.28 OR32
Animal breeding, Animal vectors, Norbormide, Poisons, Poultry, Rats, Rodent control, Rodenticides, Warfarin.

7042-69
THESE WEEDS MEAN TROUBLE.
L J Matthews B E Manson
New Zeal J Agr 118(4):33-35,37,39 MAP
Apr 1969 23 N48J
Algae, Aquatic weeds, Biological control (weeds), Chemical control (weeds), Diquat, Electric power generation, Floods, Herbicides, Paraquat, Water pollution, Weed control.

Aquatic weeds in New Zealand are causing considerable economic problems in reducing the efficiency of electric power plants, causing water pollution, and killing desirable aquatic fauna. All of the control techniques are very expensive and none are both effective and safe for other members of the ecosystem.

7043-69
CONTROL OF RODENTS. (POR)
J C Queiroz
Biologico 33(7):151-154
Jul 1967 442.8 B529
Aldrin, Arsenic, Chemical control (pests), Chlorinated hydrocarbons, Dieldrin, Insecticides, Rodenticides, Rodents, Storage, Warfarin.

7044-69
NOTE ON THE EVALUATION OF THE EFFICACY OF RODENTICIDES.
E Radova

J Hyg Epidemiol Microbiol Immunol 11(4):511-515
1967 448.8 J826
Chemical control (pests), Methodology, Pesticide analysis, Rats, Rodenticides, Zinc phosphide, 1-(1-naphthyl)-2-thiourea.

7045-69
THE MURIDS IN THE VICINITY OF LAKE KIVU AND NEIGHBORING REGIONS (CENTRAL AFRICA) AND THEIR ECOLOGY. (FR)
U Rahm
Rev Suisse Zool 74(2):439-520 MAP REF
Sep 1967 410 R324
Animal ecology, Behaviorism, Catalogs, Climate, Habitats, Rodents, Sex ratios, Surveys, Zoogeography.

7046-69
ESTIMATION OF MARINE-BORER ATTACK ON WOODEN SURFACES.
C C Walden I V F Allen P C Trussell
Can Fish Res Board J 24(2):261-272
Feb 1967 442.9 C16J
Ecology, Limnoria, Marine biology, Marine borers, Teredo, Wood borers.

MICROBIAL CONTAMINATION

7047-69
INTERACTION OF SALT, PH, AND TEMPERATURE ON THE GROWTH AND SURVIVAL OF SALMONELLAE IN GROUND PORK.
J A Alford S A Palumbo
Appl Microbiol 17(4):528-532 REF
Apr 1969 448.3 AP5
Bacteria, Culture media, Food contamination, Mortality, Pork, Salmonella, Sodium chloride, Temperature.

7048-69
FURTHER STUDIES ON THE SCREENING TECHNIQUE FOR DETERMINING SALMONELLA-NEGATIVE SAMPLES OF PASTEURIZED DRIED EGG.
G J Banwart M J Kreitzer
Poultry Sci 48(1):235-240
Jan 1969 47.8 AM33P
Eggs, Food contamination, Microbiology, Salmonella bacterins.

7049-69
SALMONELLA CONTROL PROGRAMS: BAKING INDUSTRY.
W B Bradley
Ass Food Drug Offic Us Quart Bull 32(3):140-141
Jul 1968 389.9 AS7Q
Baking, Egg whites, Flour, Food contamination, Human diseases, Infectious diseases, Salmonellosis.

7050-69
SALMONELLA FOOD POISONING ASSOCIATED WITH IMPORTED CANNED MEAT.
R C S Burnett B I Davies
J Hyg 65(1):1-8
Mar 1967 449.8 J82
Canned food, Food poisoning, Pork, Salmonella.

7051-69
THE PIGMENTED COLIFORMS OF DEHYDRATED FOOD. (FR)
M Catsaras
Inst Pasteur Lille Ann 18:177-183
1967 448.39 IN75
Bacteria, Culture media, Dried food, Enterobacteriaceae, Food contamination, Pigmentation. English summary.

7052-69
NOTE ON A MICROBIOLOGICAL ASSAY FOR AFLATOXIN B₂; A RAPID CONFIRMATORY TEST BY EFFECTS ON GROWTH OF BACILLUS MEGATERIUM.
N L Clements
Ass Offic Anal Chem J 51(3):611-612

May 1968 381 AS7

Aflatoxin, *Bacillus megaterium*, Biological assay, Food contamination, Microbiology, Physiology.

7053-69
RAPID CONFIRMATORY TEST FOR AFLATOXIN B, USING *BACILLUS MEGATERIUM*.

N L Clements

Ass Offic Anal Chem J 51(6):1192-1194

Nov 1968 381 AS7

Aflatoxin, *Bacillus megaterium*, Chromatography, Food contamination, Microbiology.

7054-69
INVESTIGATIONS INTO THE SOURCE OF BACTERIAL CONTAMINATION OF PORK. II. IN STEAMING. (BU)

H Delehev D Savov

Vet Med Nauk 5(2):67-73

1968 41.8 V6468

Bacteria, Benzene, Chlorine, Food contamination, Pork, Salmonella, Steam, Temperature. English and Russian summaries.

7055-69

LOW TEMPERATURE GROWTH OF TYPE E CLOSTRIDIUM BOTULINUM SPORES. I. EFFECTS OF SODIUM CHLORIDE, SODIUM NITRITE AND PH. 2. EFFECTS OF SOLUTES AND INCUBATION TEMPERATURE.

A S Emodi R V Lechowich

J Food Sci 34(1, JAN-FEB):78-87 REF

1969 389.8 F7322

Bacteria, Biochemistry, *Clostridium botulinum*, Culture media, Food contamination, Sodium chloride, Sodium nitrite, Solutes, Temperature.

7056-69

COMPARISON OF TWO PROCEDURES FOR DETECTION OF SALMONELLA IN FOOD, FEED, AND PHARMACEUTICAL PRODUCTS.

L D Fantasia W H Sperber R H Deibel

Appl Microbiol 17(4):540-541

Apr 1969 448.3 AP5

Bacteriology, Feed, Food contamination, Salmonella, Serological tests.

7057-69

HEAT RESISTANCE OF SALMONELLA IN VARIOUS EGG PRODUCTS.

J A Garibaldi R P Straka K Ijichi

Appl Microbiol 17(4):491-496 REF

Apr 1969 448.3 AP5

Bacteria, Eggs, Food contamination, Heat treatment, Poultry products, Salmonella, Sucrose.

7058-69

GAS CHROMATOGRAPHIC ANALYSIS OF HEAD-SPACE VAPORS TO IDENTIFY MICROORGANISMS IN FOODS.

P A Guarino A Kramer

J Food Sci 34(1, JAN-FEB):31-37 REF

1969 389.8 F7322

Bacteria, Chromatography, Culture media, Food contamination, Microorganisms.

The bacteria tested for food contamination were: Proteus, Escherichia, Salmonella, Citrobacter, Enterobacter, Alkaligenes, and Pseudomonas.

7059-69

THE ISOLATION OF SALMONELLAS FROM ANIMAL FEEDINGSTUFFS.

R W S Harvey T H Price

J Hyg 65(2):237-244 REF

Jun 1967 449.8 J82

Bone meal, Culture media, Feed, Food contamination, Meat, Salmonella.

7060-69

ON THE BIOCHEMICAL ACTIVITY OF MICROORGANISMS IN THE PROCESS OF MEAT DEGRADATION. (GE)

S Kendereski

Schlacht-viehhof-zeit 68(9):365-368 REF

Sep 1968 286.85 D48

Biochemistry, Degradation, Food contamination, Meat, Microorganisms.

7061-69

PENICILLIN AND OTHER INHIBITORY SUBSTANCES IN MILK: THE DEVELOPMENT AND APPLICATION OF A ROUTINE TEST IN NEW ZEALAND.

W A McGillivray P S Robertson P J Liddell

New Zeal J Dairy Technol 1(1):4-9 REF

Mar 1966 SF221.N4

Antibiotics, Bromocresol purple, Chemical indicators, Dairy industry, Inhibitors, Milk, Milk analysis, Penicillin, Residues, Streptococcus thermophilus.

7062-69

INVESTIGATIONS CONCERNING THE MICROFLORA OF ISTERBAND, A SWEDISH FERMENTED TYPE OF SAUSAGE. (SW)

K Ostlund B Regner

Nord Veterinaermed 20(10):527-542 REF

Oct 1968 41.8 N813

Bacillus cereus, Fermentation, Food analysis, Food contamination, Lactobacillaceae, Microflora, Salmonella typhimurium, Sausages, Staphylococcus aureus. English and German summaries.

7063-69

PRODUCTION OF ENTEROTOXIN-B IN CURED MEATS. GENIGEORGIS, C.

H Riemann W W Sadler

J Food Sci 34(1, JAN-FEB):62-68 REF

1969 389.8 F7322

Bacteria, Biochemistry, Culture media, Food contamination, Meat, Staphylococcus aureus, Toxins.

7064-69

SALMONELLA IN MEAT IMPORTED FROM SOUTH AMERICAN COUNTRIES.

M van Schothorst E H Kampelmacher

J Hyg 65(3):321-325

Sep 1967 449.8 J82

Beef, Feed, Food contamination, Horsemeat, Salmonella, Surveys.

7065-69

DRY MILK EQUIPMENT DESIGN AND ITS RELATION TO THE SALMONELLA PROBLEM.

R G Semcrad

Milk Food Sanit Annu Rep 41:117-124

Dec 1967 44.9 N4833

Bacteria, Dried milk, Equipment, Human diseases, Microbial contamination, Salmonella.

7066-69

ACTION OF MICROORGANISMS ON THE PEROXIDES AND CARBONYLS OF FRESH LARD.

J L Smith J A Alford

J Food Sci 34(1, JAN-FEB):75-78 REF

1969 389.8 F7322

Biochemistry, Carbonyl group, Culture media, Food contamination, Lard, Microorganisms, Peroxides. Twenty eight microorganisms were studied.

7067-69

ON THE USE OF TEGO 51 IN ANIMAL FOOD INDUSTRIES--TOXICITY AND BACTERICIDAL PROPERTIES. (POR)

B Soerensen H S Correa L Z Neto

Biotico 35(1):3-7

Jan 1969 442.8 B529

Bactericides, Dodecin, Enterobacteriaceae, Feed additives, Industrial medicine, Mice, Toxicology. English abstract.

7068-69

ACCELERATED PROCEDURE FOR SALMONELLA DETECTION IN DRIED FOODS AND FEEDS INVOLVING ONLY BROTH CULTURES AND SEROLOGICAL REACTIONS.

W H Sperber R H Diebel

Appl Microbiol 17(4):533-539

Apr 1969 448.3 AP5

Bacteriology, Culture media, Dried food, Feed, Food contamination, Salmonella, Serological tests.

7069-69

CAUSES OF CAN SWELLING AND BLACKENING OF CANNED BABY CLAMS. 3. BACTERIOLOGY AND CHEMISTRY OF SEA-BOTTOM MUD INVOLVED IN CAN SPOILAGE.

E Tanikana T Motohiro M Akiba

J Food Sci 34(1, JAN-FEB):88-92 MAP REF

1969 389.8 F7322

Bacteria, Biochemistry, Calcium chloride, Canned food, Clams, Food contamination.

ENVIRONMENTAL CONTAMINATION

7070-69

STRONTIUM-90: CONCENTRATIONS IN SURFACE WATERS OF THE ATLANTIC OCEAN.

V T Bowen V E Noshkin H L Volechok T T Sugihara

Science 164(3881):825-827 REF

16 May 1969 470 SC12

Quantitative analysis, Radioactive contamination, Strontium isotopes, Water analysis.

7071-69

DDT: THE CRITICS ATTEMPT TO BAN ITS USE IN WISCONSIN.

L J Carter

Science 163(3867):548-551

07 Feb 1969 470 SC12

Agricultural industries, Dieldrin, DDT, Pesticide residues, Pesticides, Water analysis, Water pollution.

7072-69

ENVIRONMENTAL POLLUTION: SCIENTISTS GO TO COURT.

L J Carter

Science 158(3808):1552-1556

22 Dec 1967 470 SC12

Dieldrin, DDT, Environment, Insect control, Legislation, Pesticides, Spraying, Water pollution.

7073-69

PESTICIDES AND MAN'S ENVIRONMENT.

D H Jenkins

Amer Forests 75(1):30-31,46-47

Jan 1969 99.8 F762

Dieldrin, DDT, Insecticide residues, Legislation.

Persistent pesticides which contribute heavily to environmental contamination have aroused Michigan communities. Recommendations from various groups are discussed.

7074-69

ENVIRONMENTAL CONTAMINATION PROBLEMS. (SW)

S Jensen

Fauna Flora (Uppsala) 63(5):190-195

Dec 1968 442.8 F27

Chlorinated hydrocarbons, DDT, Ecology, Environment.

7075-69

WATER POLLUTION AND AGRICULTURE. (FR)

France Min Agr Bull Tech Inform (224):881P

Nov 1967 14 F844B

Aerial spraying, Agriculture, Aquatic animals, Biology, Irrigation, Lakes, Pesticide residues, Temperature, Water analysis, Water pollution.

7076-69

BIOLOGICAL INVESTIGATIONS OF AN INFILTRATION AREA AND EXPERIMENTS WITH SOME ALGICIDES.

V Moravcova

Hydrobiologia 29(3-4):505-546 REF

30 May 1967 410 H992

Algae, Algaeicides, Antibiotics, Cycloheximide, Plankton, Silver nitrate, Water treatment.

7077-69

7077-69

DDT: CRITICISM, CURBS ARE ON THE UPSWING.

M Mueller

Science 164(3882):936-937

23 May 1969 470 SC12

Accident prevention, Chlorinated hydrocarbons, DDT, Insecticide residues, Legislation, Salmon, Water pollution.

7078-69

WILL THE USE OF 2,4,5-T TO CONTROL STREAMSIDE VEGETATION CONTAMINATE PUBLIC WATER SUPPLIES.

I C Reigner W E Sopper R R Johnson

J Forest 66(12):914-918 REF

Dec 1968 99.8 F768

Environment, Herbicide residues, Streams, T, 2,4,5-, Weed control.

7079-69

PESTICIDES: TRANSATLANTIC MOVEMENTS IN THE NORTHEAST TRADES.

R W Risebrough R J Huggett J J Griffin E D Goldberg

Science 159(3820):1233-1236 REF

15 Mar 1968 470 SC12

Air pollution, Chlorinated hydrocarbons, Dichloro-2,2-bis(p-chlorophenyl) ethylene, 1,1-, Dieldrin, DDT, Pesticide residues, Water pollution.

7080-69

AGRICULTURAL PESTICIDES AND THEIR DETRACTORS. (FR)

Siricz

Agriculture (paris) 31(316):311-315

Dec 1968 14 AG823

Aflatoxin, Balance of nature, Birds, Cancer, Chemical control (pests), Dosage, History, Pesticides, Plant protection, Regulation (pesticides).

7081-69

INTERACTION OF PESTICIDES WITH NATURAL ORGANIC MATERIAL.

R L Wershaw P J Burcar M C Goldberg

Environ Sci Technol 3(3):271-273 REF

Mar 1969 TD420.A1E5

Chlorinated hydrocarbons, DDT, Humic acids, Organic compounds, Pesticides, Phenoxy acid compounds, Sodium humate, Soil chemistry, T, 2,4,5-, Water analysis.

RESIDUES

7082-69

BIOASSAY OF CAPTAN BY ZEBRAFISH LARVAE.

Z H Abedi W P Mckinley

Nature 216(5122):1321-1322

30 Dec 1967 472 N21

Biological assay, Captan, Chlorinated hydrocarbons, Fish, Fungicides, Larvae, Methodology, Pesticide residues.

7083-69

PERSISTENT PESTICIDES.

P H Abelson

Science 164(3880):633

09 May 1969 470 SC12

Chlorinated hydrocarbons, DDT, Endrin, Malathion, Pesticide residues, Pesticides, Regulation (pesticides), Volatile substances.

7084-69

SOIL FACTORS CONTRIBUTING TO ATRAZINE CARRYOVER.

R S Jr. Adams

Minn Sci 25(1,FALL):9-12

1968 100 M668

Atrazine, Chemical control (weeds), Corn, Herbicides, Pesticide application, Pesticide residues, Soils, Soybeans, Sugar beets, Weather.

7085-69

REDUCTION OF RESIDUES OF HEPTACHLOR AND CHLORDANE IN CARROTS WITH SOIL APPLICATIONS OF ACTIVATED CARBON.

J F Ahrens J B Kring

J Econ Entomol 61(6):1540-1543 REF

16 Dec 1968 421 J822

Carrots, Chlordane, Chlorinated hydrocarbons, DDT, Heptachlor, Insecticide residues, Radishes, Soil sanitation.

7086-69

THE EFFECT OF A PRETREATMENT WITH PHENOBARBITAL ON THE METABOLISM OF DDT IN DAIRY COWS AND YOUNG BULLS.

J G Alary M G Brodeur J C Cote J C Panisset P Lamothe P Guay

Rev Can Biol 27(3):269-271 REF

Sep 1968 442.8 R325

Adipose tissue (animals), Animal nutrition, Cattle, DDT, Insecticide residues, Livestock diseases, Metabolism. English and french abstract

7087-69

DDT. SUBLETHAL EFFECTS ON BROOK TROUT NERVOUS SYSTEM.

J M Anderson M R Peterson

Science 164(3878):440-441

25 Apr 1969 470 SC12

Chlorinated hydrocarbons, DDT, Nervous system, Temperature, Trout.

7088-69

UNIVERSITY OF WISCONSIN SCIENTISTS DISCUSS INSECTICIDES AND POLLUTION.

Anonymous

Com Fert Plant Food Indus 118(3):8-9

Mar 1969 57.8 C73

Biological control (insects), Chemical control (insects), Chlorinated hydrocarbons, DDT, Insecticide application, Insecticide residues, Insecticides, Regulation (pesticides).

7089-69

NO SERIOUS PROBLEM WITH PESTICIDE RESIDUES.

Anonymous

Fruit World Market Grower 69(11):44

11 Nov 1968 80 F948

Chlorinated hydrocarbons, DDT, Foreign trade, Pesticide residues, Quarantine, Surveys.

7090-69

MORE ABOUT THE PESTICIDE RESIDUE PROBLEM.

Anonymous

Farm Res News 9(5,SEP/OCT):106

1968 10.5 F223

Aldrin, Chlorinated hydrocarbons, Dieldrin, DDT, Lindane, Pesticide residues.

7091-69

DETERMINATION OF RESIDUAL BHC AND LINDANE QUANTITIES IN THE SOIL AND PLANTS AND INVESTIGATIONS ON THEIR TOXICITY. (BU)

I Balinov

Rastenievud Nauk 5(3):93-101

1968 64.8 R18

Beets, Benzene hexachloride, Chlorinated hydrocarbons, Crops, Dosage, Insecticide residues, Insecticides, Lindane, Plant injuries, Toxicology. English and Russian summaries.

7092-69

CONTRIBUTION OF AERIAL CONTAMINATION TO THE ACCUMULATION OF DIELDRIN BY MATURE CORN PLANTS.

H L Barrows J H Caro W H Armiger

Environ Sci Technol 3(3):261-263 REF

Mar 1969 TD420.A1E5

Air pollution, Chlorinated hydrocarbons, Corn, Dieldrin, Insecticide residues, Insecticides.

7093-69

POPULATIONS OF DALAPON-DECOMPOSING BACTERIA IN SOIL AS INFLUENCED BY AD-**DITIONS OF DALAPON OR OTHER CARBON SOURCES.**

W D Burgc

Appl Microbiol 17(4):545-550 REF

Apr 1969 448.3 AP5

Carbon, Chlorinated hydrocarbons, Dalapon, Decomposition, Herbicides, Soil bacteria.

7094-69

EFFECTS OF THE INSECTICIDE SEVIN ON SURVIVAL AND GROWTH OF THE COCKLE CLAM CLINOCARDIUM NUTTALLI.

J A Butler R E Millemann N E Stewart

Can Fish Res Board J 25(8):1621-1635

Aug 1968 442.9 C16J

Carbaryl, Clams, Insecticide residues, Statistical analysis.

7095-69

ACCUMULATION OF DDT AND DIELDRIN BY MICROORGANISMS.

C I Chacko J L Lockwood

Can J Microbiol 13(8):1123-1126

Aug 1967 448.8 C16J

Absorption, Dieldrin, DDT, Pesticides, Soil properties.

7096-69

IN VITRO DEGRADATION OF DDT BY INTESTINAL CONTENTS OF ATLANTIC SALMON (SALMO SALAR).

A D Cherrington U Paim O T Page

Can Fish Res Board J 26(1):47-54 REF

Jan 1969 442.9 C16J

Chlorinated hydrocarbons, Chromatography, Degradation, Dichloro-2,2-bis(p-chlorophenyl) ethylene, 1,1-, DDT, Fish, Intestines, Microflora, Microorganisms, Salmon, Sterilization, Streptomycin, TDE.

7097-69

EFFECT OF DDT AND DIELDRIN ON RNA AND PROTEIN SYNTHESIS IN SUBCELLULAR FRACTIONS OF HELA S CELLS.

R A Chung Y D Lin R W Brown

J Agr Food Chem 16(2,MAR-APR):298-299 REF

1968 381 J8223

Biochemistry, Cells, Culture media, Dieldrin, DDT, Pesticide residues, Physiology, Proteins, Ribonucleic acid, Synthesis.

7098-69

SOME OBSERVATIONS ON THE EFFECTS OF USING ORGANOCHLORINE SPRAYS IN AN ORCHARD.

N Collett D L Harrison

New Zealand J Sci 11(2):371-379 REF

Jun 1968 514 N482

Autopsies, Birds, DDT, Insecticide residues, Lindane, Orchards, Soil analysis, Spraying. English abstract

7099-69

PESTICIDE RESIDUES ARE NOT A PROBLEM.*Austral Sugar J* 60(10):547

Jan 1969 65.8 AU7

Agricultural industries, Agricultural research, Chemical control (pests), Dieldrin, DDT, Pesticide residues, Pesticide safety, Pesticides, Surveys.

7100-69

AN EPIDEMIOLOGIC APPLICATION OF THE STUDY OF DDE LEVELS IN WHOLE BLOOD.

J E Davies W F Edmundson A Maceo A Barquet

J Cassady

Amer J Public Health Nat Health 59(3):435 REF

Mar 1969 449.9 AM3J

Blood composition, Chlorinated hydrocarbons, Dichloro-2,2-bis(p-chlorophenyl) ethylene, 1,1-, DDT, Epidemiology, Histology, Humans, Pesticide residues.

7101-69

OIL DEPOSIT ON GRAPEFRUIT LEAVES WITH 3 TYPES OF SPRAY EQUIPMENT IN RELATION TO CONTROL OF CERTAIN CITRUS PESTS.

H A Dean M T Waddell A Shull

- Rio Grande Val Hort Soc J* 22:35-41
1968 81 L95
Aonidiella aurantii, Chemical control (insects), Citrus, Diaspididae, Grapefruit, Insect pests, Insecticide application, Insecticides, Mineral oil, Particle size determination, Spraying equipment, Surface-active agents.
- 7102-69**
INDUSTRIAL FERTILIZERS AS HERBICIDES SEEN IN THE LIGHT OF NEW AND OLD EXPERIMENTS. (CZ)
F Duchon
Agrochimica 8(7):193-195 REF
1968 385 AG88
Ammonium sulfate, Chemical control (weeds), D, 2,4-, Dinoseb, Fertilizers, Herbicide residues, Herbicides, Nitrated phenols, Phenoxy acid compounds, Potassium, Salts, Soil analysis, Soil chemistry. English, Russian, and German summaries.
- 7103-69**
EFFECTS ON WILD YOUNG SALMON OF SPRAYING DDT OVER NEW BRUNSWICK FORESTS.
P F Elson
Can Fish Res Board J 24(4):731-767 MAP REF
Apr 1967 442.9 C16J
Chlorinated hydrocarbons, DDT, Insecticide residues, Insecticides, Mortality, Salmon, Water pollution.
- 7104-69**
THE INFLUENCE OF SOME ELECTROLYTES ON THE ADSORPTION AND RELEASE OF SYMMETRICAL TRIAZINES ON SOME ORGANIC COLLOIDS. (IT)
P Fusi R Corsi
Agrochimica 12(2/3,FEB-APR):09-119 REF
1968 385 AG84
Adsorption, Atrazine, Electrolytes, Pesticide residues, Pesticides, Prometryne, Simazine, Soil chemistry, Soil colloids, Triazines. English, French, German and Spanish summaries.
- 7105-69**
NO EFFECT LEVEL OF DDT IN INDUCTION OF MICROSOMAL EPOXIDATION.
J W Gillett
J Agr Food Chem 16(2,MAR-APR):295-297 REF
1968 381 J8223
Aldrin, Dieldrin, Diet, DDT, Liver, Pesticide residues, Rats.
- 7106-69**
TOLERANCES AND EXEMPTIONS FROM TOLERANCES FOR PESTICIDE CHEMICALS IN OR ON RAW AGRICULTURE COMMODITIES. DDT.
J L Goddard
Fed Regist 33(125,PT.1):9396
27 Jun 1968 L1.451
Chemicals, DDT, Food plants, Insecticides, Pesticide residues.
- 7107-69**
TOXICITY OF PESTICIDES TO MAN: RISKS FROM PRESENT LEVELS.
W J Hayes
Roy Soc Proc Ser B, Biol Sci 167(1007):101-127 REF
21 Feb 1967 501 L84B
Abnormalities, Aging, Biochemistry, Carcinogenesis, Dosage, Metabolism, Neoplasms, Nutrition, Pesticide residues, Pesticide synergists, Pesticides, Sex, Toxicology.
- 7108-69**
CHLORINATED HYDROCARBONS AND EGG SHELL CHANGES IN RAPTorial AND FISH-EATING BIRDS.
J J Hickey D W Anderson
Science 162(3850):271-273 REF
11 Oct 1968 470 SCI2
Birds, Chlorinated hydrocarbons, Ecology, Fish, Insecticides, Pesticide residues, Population statistics, Reproduction.
- 7109-69**
ORGANOCHLORINE PESTICIDES IN SEALS.
A V Holden K Marsden
Nature 216(5122):1274-1276 REF
30 Dec 1967 472 N21
Adipose tissue (animals), Animal histology, Chemical control (pests), Chlorinated hydrocarbons, Pesticide residues, Seals (animals). The pesticides discussed are: Dieldrin, DDT, DDE, TDE, MDE, PCB.
- 7110-69**
PERSISTENT PESTICIDES: A PROBLEM.
E M Holst
Holly Agr News 15(3,FALL):15-16
1967 66.8 H72
Chlorinated hydrocarbons, Degradation, Insecticides, Nematocides, Pesticide residues, Plant biochemistry, Sugar beets. Many persistent pesticides were noted.
- 7111-69**
EFFECTS OF FOREST SPRAYING WITH DDT IN NEW BRUNSWICK ON FOOD OF YOUNG ATLANTIC SALMON.
M H A Kecnleyside
Can Fish Res Board J 24(4):807-822 MAP REF
Apr 1967 442.9 C16J
Chemical control (insects), Chlorinated hydrocarbons, DDT, Fish, Food supply, Insecticide residues, Insecticides, Water pollution.
The changes in food content of the digestive systems of salmon were analyzed after aerial applications of DDT were made in forested areas of New Brunswick.
- 7112-69**
FISH LOSSES AFTER FOREST SPRAYINGS WITH INSECTICIDES IN NEW BRUNSWICK, 1952-62, AS SHOWN BY CAGED SPECIMENS AND OTHER OBSERVATIONS.
C J Kerswill H E Edwards
Can Fish Res Board J 24(4):709-729 MAP REF
Apr 1967 442.9 C16J
DDT, Fish, Insecticide residues, Insecticides, Mortality, Water pollution.
The survival of fish in forested areas sprayed with different percentages of DDT for budworm control is discussed. Caged and free-living salmon and brook trout were examined.
- 7113-69**
STUDIES ON EFFECTS OF FOREST SPRAYINGS WITH INSECTICIDES, 1952-63, ON FISH AND AQUATIC INVERTEBRATES IN NEW BRUNSWICK STREAMS: INTRODUCTION AND SUMMARY.
C J Kerswill
Can Fish Res Board J 24(4):701-708 MAP REF
Apr 1967 442.9 C16J
Chemical control (insects), Choristoneura fumiferana, DDT, Forest management, Insecticide residues, Marine biology, Salmon, Water pollution.
A review is presented of insecticide sprays used in New Brunswick and fisheries checked for insecticide residues in fish and water from 1952 through 1963. This is the introductory paper of a series.
- 7114-69**
EXPERIENCE WITH A SHORTER EXTRACTION PROCEDURE FOR INSECTICIDE RESIDUES FROM LIQUID MILK PRODUCTS. (GE)
F Kiermeier G Wildbrett M Rudolphi
Z Lebensmittel-untersuchung-forsch 135(3):122-125
16 Oct 1967 384 Z39
Dairy products, Food contamination, Insecticide residues, Milk analysis.
- 7115-69**
TOLERANCE AND EXEMPTIONS FROM TOLERANCES FOR PESTICIDE CHEMICALS IN OR ON RAW AGRICULTURAL COMMODITIES. SIMAZINE.
J K Kirk
Fed Regist 34(97):7962
21 May 1969 L1.451
Agricultural products, Herbicide residues, Herbicides, Simazine, Tolerances.
- 7116-69**
BORAX AND BORIC ACID. PROPOSED ESTABLISHMENT OF PESTICIDE TOLERANCE.
J K Kirk
Fed Regist 34(104,PT 1):8372
30 May 1969 L1.451
Borax, Boric acid, Citrus, Fungicides, Pesticide residues, Sodium tetraborate decahydrate, Tolerances.
- 7117-69**
CALCIUM OXYTETRACYCLINE. NOTICE OF EXTENSION OF TEMPORARY TOLERANCE.
J K Kirk
Fed Regist 34(74):6670
18 Apr 1969 L1.451
Agricultural legislation, Agricultural products, Calcium oxytetracycline, Peaches, Pesticide residues, Regulations, Tolerances.
- 7118-69**
SOIL DEGRADATION OF DIAZINON, A PHOSPHOROTHIOATE INSECTICIDE.
J G Konrad D E Armstrong G Chesters
Agron J 59(6,NOV-DEC):591-594 REF
Dec 1967 4 AM34P
Adsorption, Diazinon, Hydrolysis, Insecticide residues, Soil hydrogen-ion concentration, Soil organic matter.
- 7119-69**
EFFECT OF DIRECT STEAM HEATING AND VACUUM TREATMENT ON LEVELS OF PESTICIDE RESIDUES IN MILK.
R A Ledford J H Chen W F Shipe
J Dairy Sci 51(2):219-220
Feb 1968 44.8 J822
Dieldrin, Distillation, DDT, Lindane, Milk, Pesticide residues, Steam.
- 7120-69**
TDE (OR DDD). PROPOSED REDUCTION OF TOLERANCES FOR RESIDUES IN OR ON RAW AGRICULTURAL COMMODITIES.
H L Ley
Fed Regist 34(97):7974
21 May 1969 L1.451
Agricultural products, Chlorinated hydrocarbons, Insecticide residues, TDE, Tolerances, Vegetables.
- 7121-69**
ORGANOCHLORINE INSECTICIDE RESIDUES IN COMPLETE PREPARED MEALS: A 12-MONTH SURVEY IN S. E. ENGLAND. (ABSTRACT).
A E J McGill J Robinson
Excerpta Med Pharm Toxicol 21(12):599-600
Dec 1968 241.64 EX23
Chlorinated hydrocarbons, Dieldrin, DDT, Food, Insecticides, Milk, Pesticide residues, Surveys. From Food Cosmetology and Toxicology, 1968, 6/1, (45-57).
- 7122-69**
TRANSLOCATION OF DIAZINON FROM PLANTING WATER BY CABBAGE AND TOBACCO SEEDLINGS.
J R W Miles G F Manson W W Sans H D Niemczyk
Can J Plant Sci 47(2):187-192
Mar 1967 450 C16
Cabbage, Diazinon, Insecticide residues, Plant translocation, Tobacco.
- 7123-69**
THE EFFECT OF HERBICIDE RESIDUE IN THE SOIL ON THE YIELD OF WINTER WHEAT. (SE)
B Milojevic M Misovic
Beograd Univ Zb Rad Poljopr Fak 15(455):13P REF
1967 106 B41Z

Atrazine, Chemical control (weeds), Crop yields, Herbicide residues, Herbicides, Simazine, Soils, Wheat. English summary.

7124-69

INVESTIGATION OF SHEEP DIPS. 3. THE INFLUENCE OF BREED ON STRIPPING AND DEPOSITION IN THE FLEECE OF DIAZINON. D K O'Neill S P Hebden

Australian Vet J 44(8):344-349 REF
Aug 1968 41.8 AU72

Diazinon, Dust (soil), Insecticides, Measurement, Organophosphorus compounds, Sheep breeds, Suint, Wool fat.

7125-69

DDT RESIDUES ABSORBED FROM ORGANIC DETRITUS BY FIDDLER CRABS.

W E Odum G M Woodwell C F Wurster
Science 164(3879):576-577 REF
02 May 1969 470 SCI2

Absorption, Chlorinated hydrocarbons, Crabs, DDT, Metabolites, Pesticide residues.

7126-69

DDT RESIDUES ABSORBED FROM ORGANIC DETRITUS BY FIDDLER CRABS.

W E Odum G M Woodwell C F Wurster
Science 164(3879):576-577 REF
02 May 1969 470 SCI2

Absorption, Chlorinated hydrocarbons, Crabs, DDT, Insecticide residues, Metabolites.

7127-69

TOXICOLOGY OF PLANT PROTECTION PREPARATIONS. TOLERANCE LIMITS FOR TOXIC RESIDUES. (IT)

P Pagani
Romagna Agr Zoot 52(8):308-314
Aug 1967 16 R66

Agricultural products, Chlorinated hydrocarbons, Fruit, Meat, Pesticide residues, Regulations.

Includes a 1960 table from the Food and Drug Administration, Washington, D.C. setting forth giving residue tolerance limits for 43 pesticides in 17 categories of agricultural products.

7128-69

AN INVESTIGATION OF THE CONTENT OF THE CHLORINATED HYDROCARBON RESIDUES OF THE CRUSTACEAN PLANKTON IN THE BALATON.

J E Ponyi F Csonti F Baron
Tihany Biol Kutatointezetnek Evkon 35:183-189 REF
1968 442.9 M27

Chlorinated hydrocarbons, Dosage, Pesticide residues, Plankton, Spraying. Russian and Hungarian summaries.

7129-69

RETENTION AND VOATILIZATION OF LINDANE AND DDT IN PRESENCE OF ORGANIC COLLOIDS ISOLATED FROM SOILS AND LEONARDITE.

L K Porter W E Beard
J Agr Food Chem 16(2,MAR-APR):344-347
1968 381 J8223

Colloids, DDT, Laumontite, Lindane, Pesticide residues, Radioactivity, Soils, Temperature, Volatile substances.

7130-69

RESIDUES OF DIELDRIN (HEOD) IN THE TISSUES OF EXPERIMENTALLY POISONED BIRDS.

J Robinson V K H Brown A Richardson M Roberts
Life Sci 6(11,PT 1):1207-12-20
01 Jun 1967 442.8 L62

Birds, Dieldrin, Insecticide residues, Statistical analysis, Toxicology.

7131-69

PHARMACODYNAMICS OF DIELORIN IN PIG EONS.

J. Robinson A Richardson V K H Brown
Nature 213(5077):734-736 REF

18 Feb 1967 472 N21

Animal histology, Animal physiology, Chlorinated hydrocarbons, Dieldrin, Insecticide residues, Pigeons.

7132-69

INSECTICIDE RESIDUES IN SPRING WHEAT PLANTS GROWN IN THE FIELD FROM SEED TREATED WITH ALDRIN OR HEPTACHLOR.

J G Saha R H Burrage
Can J Plant Sci 47(1):114-115
Jan 1967 450 C16

Aldrin, Heptachlor, Insecticide residues, Seed treatment, Wheat.

7133-69

SOME EFFECTS OF DIAZINON ON THE MICROFLORA OF SUBMERGED SOILS.

N Sethunathan I C MacRae
Plant Soil 30(1):109-112
Feb 1969 450 P696

Algae, Diazinon, Insecticide residues, Microflora, Organophosphorus compounds, Soil chemistry.

7134-69

BIRDS AND AGRICULTURE. (FR)

H Siriez
Bull Inform Rizicult France (110,MAY-JUN):24-1967 59.8 B872
Agriculture, Balance of nature, Birds, Pesticide residues, Pesticides. This is a book review

7135-69

PESTICIDE RESIDUES.

K J Smith
Us Agr Res Serv Ars-72 (72-69):69-74
Jan 1969 A381 R31

Agricultural industries, Cotton, DDT, Food contamination, Pesticide residues, Pesticides, Tolerances.

7136-69

HIGH PRAISE FOR LOW VOLUME INSECTICIDE SPRAYING.

J F Spears
Pest Contr Oper News 27(12):18-20
Dec 1967 SB951.A1P4

Anthonomus grandis, Circulionidae, Insecticide application, Insecticides, Malathion, Organophosphorus compounds, Pesticide residues, Plant protection, Spraying, Volumetric analysis.

7137-69

PESTICIDE LEVELS AND FLUCTUATION IN SOIL BACTERIA IN AN IRRIGATED FIELD AND A POND OF SOUTHWEST TEXAS.

R G Taylor H G Applegate
Southwest Natur 13(4):393-400 REF
31 Dec 1968 409.6 SO8

Bacteria, Biological assay, Chemical analysis, DDT, Pesticide residues, Soil bacteria.

7138-69

PESTICIDE RESIDUES; HISTORY, ALTERNATIVES AND ANALYSIS.

J Thomson D C Abbott
Roy Inst Chem Lect Ser (3):33P REF
1966 382 IN7L

Chemical analysis, Chlorinated hydrocarbons, Chromatography, Food analysis, History, Humans, Methodology, Pesticide residues, Spectroscopy, Water, Wildlife.

7139-69

PESTICIDE RESIDUES - USDA'S POSITION.

A Tufano
West Tobacco J 96(3):46,48-49
Mar 1969 286.89 W52

Chemical control (insects), Chlorinated hydrocarbons, DDT, Foreign trade, Light traps, Pesticide residues, Pesticides, Regulation (pesticides), TDE, Tobacco.

7140-69

DISTRIBUTION OF STRONTIUM 90 AND CESIUM 137 IN DAIRY PRODUCTS IN THE PROCESSING OF EWES MILK. 2. IN WHITE BRINED CHEESE. (BU)

A Vrigazov V Marinov

Vet Med Nauk 5(6):83-86

1968 41.8 V6468

Cesium-137, Cheese, Chemistry, Dairy products, Food contamination, Food processing, Isotopes, Milk analysis, Sheep, Strontium isotopes. English and Russian summaries.

7141-69

CONTRIBUTION TO THE STUDY OF ANTI-BIOTIC SUBSTANCES IN MEATS. (FR)

A Wuilleret
Schweizer Arch Tierbeilk 110(10):523-531 REF
Oct 1968 41.8 SCH9

Antibiotics, Bacteriology, Legislation, Meat, Penicillin, Residues, *Sarcina lutea*. English, German and Italian summaries.

TOXICOLOGY

7142-69

DDT AND RELATED CHLORINATED HYDROCARBONS: THEIR METABOLISM IN THE CHICK AND THEIR INDUCTION OF MICROSOMAL ENZYMES.

M B Abou-Donia
Diss Abstr Sect B 28(10):3937B
Apr 1968 Z5055.U49D53

Carbamates, Chick embryos, Chlorinated hydrocarbons, Chromatography, DDT, Eggs, Infrared spectra, Insecticides, Metabolism, Microsomes.

7143-69

SYMPTOMS OF INTOXICATIONS BY POISONOUS PESTICIDES. (JPRS 46216) TRANSL. I7061.

S Bataycv L Katsenovich
5P
16 Aug 1968

Arsenic compounds, Carbamates, Chlorinated hydrocarbons, Copper compounds, Drug therapy, Gastrointestinal diseases, Mercury compounds, Pesticides, Poisons, Symptomatology. Translation from *Meditinskaya Gazeta*, page3, June 25, 1968. issued by CFSTI.

7144-69

DETECTION AND DIFFERENTIATION OF PATHOGENIC CLOSTRIDIA AND THEIR TOXINS. (GE)

J Beer G Al-Khatib
Monatsh Vet 23(18):709-714 REF
15 Sep 1968 41.8 M742

Clostridium, Livestock diseases, Microorganisms, Pyrogallol, Toxicology, Toxins. English and Russian summaries.

7145-69

MANGANESE TOXICITY OF LEGUMES SEEDED IN KENTUCKY STRIP-MINE SPOILS.

W A Berg W G Vogel
Us Forest Serv Res Pap Ne (119):12P
1968 A99.9 F7622UN

Chlorosis, Legumes, Manganese, Soil hydrogen-ion concentration, Strip-mined areas, Toxicology, Vegetables.

7146-69

TABLE OF HUMAN INFECTIONS. IN: DISEASES OF MAN ACQUIRED FROM HIS PETS.

B Bissuru
423-465 PHILADELPHIA, LIPPINCOTT
1967 RC639.B5

Animal vectors, Bacterial diseases (animals), Disease transmission, Epidemiology, Fungus diseases (animals), Helminths, Human diseases, Insect vectors, Methodology, Pets, Tables (data), Virus diseases (animals). Many disease organisms and diseases are listed.

7147-69

BIOLOGICAL METHODS FOR DETERMINING THE TOXICITY OF GRAIN IN CONNECTION WITH ITS INFESTATION WITH TOXIGENIC MICROFLORA. (RUS)

V P Bogoroditskaya
Vup Pitan 27(3,MAY-JUN):73-76

- 1968 389.8 V89
Fungus diseases (plants), Fusarium, Grain, Laboratory animals, Pigeons, Sporotrichum, Stored products, Toxicology. English summary.
- 7148-69**
TESTS WITH A COMBINATION PREPARATION FOR THE TREATMENT OF INFECTIOUS DISEASES OF MICROBIAL ORIGIN. (GE)
E Buser
Schweizer Arch Tierbeilk 110(11):573-581
Nov 1968 41.8 SCH9
Antibiotics, Drug therapy, Drugs, Infectious diseases, Livestock diseases, Microorganisms. English, French and Italian summaries.
- 7149-69**
EFFECTS IN WARMBLOODED ANIMALS OF THIOMETON (2-ETHYLTHIOETHYL O,O-DIMETHYLTHIOPHOSPHATE) INGESTED IN DRINKING WATER. (POL)
I Cabcjszck M Rybak S Szulinski
Warsaw Panstw Zakl Hig Roczn 18(3):257-265
1967 449.9 W26
Blood plasma, Ekatin, Insecticides, Organophosphorus compounds, Rats, Water. English and Russian summaries.
- 7150-69**
EFFECT OF DRUGS ON LUMINESCENCE IN LARVAL FIREFLIES.
A D Carlson
J Exp Biol 49(1):195-199
Aug 1968 442.8 B77
Drugs, Epinephrine, Insect biochemistry, Lampricide, Larvae, Luminescence. Many drugs were tested.
- 7151-69**
STUDIES ON A SERIES OF BRANCHED-CHAIN ANALOGS OF DIETHYL MALATHION AND MALAOXON WITH REGARD TO TOXICITY AND IN VITRO ENZYMATIC REACTIONS. (ABSTRACT).
Y C Chiu A Hassan F E Guthrie W C Dauterman
Excerpta Med Pharm Toxicol 21(12):599
Dec 1968 241.64 EX23
Analogues, Dichthyl S-(1,2-di-(thoxycarbonyl)ethyl) phosphorothioate, d, Enzymes, Mice, Organophosphorus compounds, Toxicity. From Toxicology and Applied Pharmacology, 1968, 12/2, (219-228).
- 7152-69**
ENHANCED METABOLISM OF METHYPRYLON, MEPROBAMATE, AND CHLORDIAZEPOXIDE HYDROCHLORIDE AFTER CHRONIC FEEDING OF A LOW DIETARY LEVEL OF DDT TO MALE AND FEMALE RATS.
P R Datta M J Nelson
Toxicol Appl Pharmacol 13(3):346-352 REF
Nov 1968 391.8 T662
Animal metabolism, Chlorinated hydrocarbons, DDT, Feed, Pesticides, Rats, Testing, Tranquilizers. The following drugs were used: methyprylon, meprobamate and chlordiazeponide hydrochloride.
- 7153-69**
A METHOD FOR STUDYING MOTOR REACTIONS OF ASCARIDS. (RUS)
O N Davydov
Med Parazitol Parazitarn Bolezni 37(5,SEP/OCT):618-619 REF
1968 448.8 M469
Animal physiology, Ascaridia, Methodology, Motor skills. English summary.
- 7154-69**
MAXIMUM PLACE OF WORK CONCENTRATIONS OF HEALTH-ENDANGERING INDUSTRIAL MATERIALS. (GE)
Deut Forschungsgem (5):22P
06 Mar 1969 391.9 D48
Accident prevention, Air pollution, Allergies, Cancer, Human diseases, Industry, Pesticides, Poisons.
A listing of many chemicals is included indicating their maximum permissible concentrations.
- 7155-69**
HERBICIDE TOXICITY.
J E Dewey
N Y Turfgrass Assoc Bull (83):322
1969 60.19 N42
Accident prevention, Diquat, Dosage, Herbicides, Paraquat, Pesticide application, Spraying.
- 7156-69**
HEMATOLOGICAL EFFECTS OF APHOLATE ON CHANNEL CATFISH (ICTALURUS PUNCTATUS).
C L Dodgen S Sullivan
Soc Exp Biol Med Proc 131(1):124-126 REF
May 1969 442.9 SO1
Apholate, Catfish, Fish, Hematology, Lymphocytes, Platelets, Toxicology.
The hematological effects of oral administration of apholate to channel catfish (*Ictalurus punctatus*), and the delay in lethality, even with massive doses are discussed. Apholate has a profound effect in producing a lymphocytopenia in channel catfish, but less effect on the thrombocytes.
- 7157-69**
NOTICE OF FILING OF PETITION FOR FOOD ADDITIVES.
R E Duggan
Fed Regist 34(110):9139
10 Jun 1969 L1.451
Chickens, Coccidiosis, Drug therapy, Feed, Food additives, Nitro-4-hydroxyphenylarsonic acid, 3-, Penicillin, Regulations.
- 7158-69**
NOTICE OF WITHDRAWAL OF PETITION FOR FOOD ADDITIVES DIENESTROL DIACETATE, AMPROLIUM, AND PENICILLIN.
R E Duggan
Fed Regist 34(110):9140
10 Jun 1969 L1.451
Amprolium, Chickens, Dienestrol diacetate, Drug therapy, Feed, Food additives, Growth factors, Penicillin, Regulations.
- 7159-69**
NOTES ON PRECAUTIONS TO BE TAKEN IN THE USE OF SPRAY CHEMICALS.
S K Dutta D N Barbora
Toeklai Exp Sta Newslett 13(3):92-93
Sep 1966 68.18 T93
Accident prevention, Animals, Humans, Pesticides, Poisoning, Spraying.
- 7160-69**
SYNERGISTIC TOXICITY AND CARCINOGENICITY OF 'FREONS' AND PIPERONYL BUTOXIDE.
S S Epstein S Joshi J Andrea P Clapp H Falk N Mantel
Nature 214(5087):526-528 REF
29 Apr 1967 472 N21
Biochemistry, Carcinogens, Freon, Insecticide synergists, Laboratory animals, Pesticide residues, Piperonyl butoxide, Toxicology.
- 7161-69**
COMMON POISONOUS PLANTS IN HOME AND GROUNDS.
J R Feucht
Colo State Univ Ext Bull (466A):24P
Mar 1969 275.29 C71E
Accident prevention, Food poisoning, Poisonous plants, Toxicology. Many poisonous plants are listed with their toxic substances.
- 7162-69**
PURIFICATION AND PROPERTIES OF IN VITRO-PRODUCED ANTHRAX TOXIN COMPONENTS.
D C Fish B G Mahlandt J P Dobbs R E Lincoln
J Bacteriol 95(3):907-918 REF
Mar 1968 448.3 J82
Antigens, Bacillus anthracis, Biochemistry, Rats, Scrological tests, Toxicology, Toxins.
- 7163-69**
TREATMENT OF TOPICAL FUNGUS INFECTIONS WITH DICHLORODIPHENYLTRICHLOROETHANE. PATENT 3,389,049.
H E Frantz
Us Patent Office Offic Gaz 851(3):800
18 Jun 1968 156.65 OF2
DDT, Drug therapy, Fungicides, Human diseases.
- 7164-69**
EFFECT OF AMINOTRIAZOLE ON THYROID FUNCTION IN THE RAT.
M J Fregly
Toxicol Appl Pharmacol 13(3):271-286 REF
Nov 1968 391.8 T662
Amitrole, Dosage, Drug therapy, Rats, Thyroid gland.
- 7165-69**
TROLENE TOXICITY FOR BED BUGS. (RUS)
B A Frolov
Veterinariya (12):102-104
Dec 1968 41.8 V6426
Cimex lectularius, Ronnel, Toxins.
- 7166-69**
HEPATOTOXIC POTENCY OF VARIOUS CHLORINATED HYDROCARBON VAPORS RELATIVE TO THEIR NARCOTIC AND LETHAL POTENCIES IN MICE.
P J Gchring
Toxicol Appl Pharmacol 13(3):287-298
Nov 1968 391.8 T662
Anesthetics, Chlorinated hydrocarbons, Drug therapy, Liver, Liver function tests, Mice, Vapors.
- 7167-69**
TOLERANCE OF SHEEP WITH REGARD TO A NEW PHOSPHORIC ESTER: CHLORFENVINPHOS. (FR)
J Guilhon
Acad Vet France Bull 41(7):279-284
Jul 1968 41.9 R24
Chemical control (insects), Chlorfenvinphos, Dosage, Mortality, Phosphoric acid esters, Sheep, Sheep-dip, Toxicology.
- 7168-69**
TOLERANCE OF SHEEP TO PARENTERALLY ADMINISTERED IQDO-3 HYDROXY NITBO-5 BENZONITRIL. (FR)
J Guilhon
Acad Vet France Bull 41(1):37-40
Jan 1968 41.9 R24
Drug therapy, Nitroxinil, Sheep, Tolerances.
- 7169-69**
EXPERIMENTAL ARSANILIC ACID POISONING IN PIGS.
J D J Harding G Lewis J T Done
Vet Rec 83(22):560-564 REF
30 Nov 1968 41.8 V641
Animal abnormalities, Arsanilic acid, Bladder, Poisons, Swine, Toxicology.
- 7170-69**
ECONOMIC POISONS CONTAINING CERTAIN PESTICIDE CHEMICALS FOR CERTAIN USES. CANCELLATION OF REGISTRATION.
H W Hays
Fed Regist 34(93):7712-7713
15 May 1969 L1.451
Fungicides, Herbicides, Insecticides, Organophosphorus compounds, Poisons, Thiocarbamates, Tolerances.
- 7171-69**
AVERSION TO STRYCHNINE SULFATE BY NORWAY RATS, ROOF RATS, AND POCKET GOPHERS. (ABSTRACT).
W E Howard S D Palmateer M Nachman
Excerpta Med Pharm Toxicol 21(12):599
Dec 1968 241.64 EX23
Gophers, Pesticides, Rats, Rodenticides, Rodents, Strychnine, Sulfates, Toxicology. From Toxicology and Applied Pharmacology, 1968, 12/2, (229-241).

7172-69

SELECTED CROTALIDAE VENOM PROPERTIES AS A SOURCE OF TAXONOMIC CRITERIA.

B D Johnson

Toxicon 6(1):5-10 REF

Aug 1968 391.8 T66

Animal taxonomy, Biological assay, Snake venom, Toxicology.

7173-69

THE MANAGEMENT OF CASES OF SUSPECTED POISONING.

D W Jolly

Vet Rec 84(7):166-168

15 Feb 1969 41.8 V641

Accident prevention, Autopsies, Lesions, Management, Pets, Poisoning, Symptomatology, Veterinary medicine.

7174-69

AN IN VITRO AND IN VIVO STUDY OF THE EFFECT OF DDT ON THE PHAGOCYTTIC ACTIVITY OF RAT WHITE BLOOD CELLS.

L A Kaliser

Toxicol Appl Pharmacol 13(3):353-357

Nov 1968 391.8 T662

Blood cells, Chlorinated hydrocarbons, DDT, Pesticides, Phagocytes, Rats, Staphylococcus.

7175-69

ANTIFUNGAL ACTION OF A PHOSPHATE ESTER PESTICIDE, O-MCHLOROPHENYL O,O-DIMETHYL PHOSPHOROTHIOATE, USED IN NUTRIENT MEDIA FOR FUNGI. (ABSTRACT).

J Kcjda

Excerpta Med Pharm Toxicol 21(12):600

Dec 1968 241.64 EX23

Chlorophenyl O,O-dimethyl phosphorothioate, O-m-, Culture media, Esters, Fungi, Fungicides, Mites, Molds, Nutrient solutions (plants), Phosphates, Scopulariopsis brevicaulis, Toxicology, Yeasts. From *Mykoscen*, 1968, 11/5, (395-398).

7176-69

NOVOBIOCIN FOR USE IN CHICKEN AND TURKEY FEED. DRUGS FOR VETERINARY USE; DRUG EFFICACY STUDY IMPLEMENTATION.

J K Kirk

Fed Regist 34(103):8303-8304

29 May 1969 L1.451

Chickens, Drug therapy, Feed additives, Novobiocin, Staphylococcal infections, Turkeys.

7177-69

ANTIBIOTICS. USE IN ANIMALS.

J K Kirk

Fed Regist 34(67):6284-6288

09 Apr 1969 L1.451

Animals, Antibiotics, Drug therapy, Labeling, Regulations.

The following antibiotic drugs were listed: tetracycline, chlortetracycline, neomycin, oleandomycin phosphate, nystatin, novobiocin, demchlortetracycline hydrochloride, chloramphenicol and bacitracin.

7178-69

NOTICE OF WITHDRAWAL OF PETITION FOR FOOD ADDITIVES.

J K Kirk

Fed Regist 34(110):9140

10 Jun 1969 L1.451

Amprolium, Chickens, Coccidiosis, Diconstrol diacetate, Drug therapy, Ethopabate, Feed, Food additives, Regulations.

7179-69

CENTRAL NEUROTOXIC EFFECTS OF THE VENOMS OF NAJA NAJA AND VIPERA PALESTINAE.

J Krupnick H I Bicher S Gitter

Toxicon 6(1):11-15 REF

Aug 1968 391.8 T66

Animal physiology, Biological assay, Central nervous system, Methodology, Snake venom, Toxicology.

7180-69

PHOSPHOLIPASE A IN THE VENOM OF THE AUSTRALIAN BULLDOG ANT MYRMECIA PYRIFORMIS.

J C Lewis A J Day J S de la Lande

Toxicon 6(2):109-112

Oct 1968 391.8 T66

Biochemistry, Insect metabolism, Lecithins, Myrmecia pyriformis, Phospholipase, Toxicology, Venoms.

7181-69

USE OF ANTIBIOTICS IN ANIMALS.

H L Ley

Fed Regist 34(95):7849-7853

17 May 1969 L1.451

Animal nutrition, Animals, Antibiotics, Drugs, Feed additives, Regulations, Tolerances.

7182-69

VETERINARY PRESCRIPTION DRUGS. DIRECTIONS FOR USE.

H L Ley

Fed Regist 34(92):7655-7656

14 May 1969 L1.451

Drugs, Labeling, Regulations, Veterinary medicine.

7183-69

DIAGNOSIS AND TREATMENT OF POISONING IN CATS AND DOGS.

J C Malone

Vet Rec 84(7):161-166

15 Feb 1969 41.8 V641

Cats, Central nervous system, Copper sulfate, Dogs, Drying, Gastrointestinal system, Hemorrhage, Poisoning, Symptomatology. Many compounds causing poisoning are listed.

7184-69

AMPROLIUM AS A COCCIDIOSTAT FOR ANGORA GOATS.

C H B Marlow

S Afr Vet Med Ass J 39(4):93

Dec 1968 41.8 S08

Amprolium, Bacterial diseases (animals), Coccidiosis, Coccidiostats, Drug therapy, Goats, Livestock diseases.

7185-69

AFLATOXIN IN THE GROUNDNUT CROP AT HARVEST IN NORTHERN NIGERIA.

D McDonald C Harkness

Samaru Res Bull 89:148-161 I

1968 24 N562S

Aflatoxin, Harvesting, Peanuts, Plant senescence, Tables (data), Toxicity, Weather. Was reprinted from *Tropical Science* vol. 9, no. 3

7186-69

ANTIGENIC RELATIONSHIPS OF THE VENOM OF ATRACTASPIS MICROLEPIDOTA TO THAT OF OTHER SNAKES.

S A Minton Jr

Toxicon 6(1):59-64

Aug 1968 391.8 T66

Animal taxonomy, Antigens, Precipitin test, Serological tests, Snake venom, Toxicology.

7187-69

EFFECTS OF ECHIS CARINATUS VENOM ON TISSUE AND BLOOD HISTAMINE AND THEIR RELATIONS TO LOCAL TISSUE REACTIONS AND EOSINOPHIL CHANGES.

A H Mohamad A Kamel M H Ayobe

Toxicon 6(1):51-54 REF

Aug 1968 391.8 T66

Animal histology, Animal physiology, Eosinophils, Ethylenediaminetetraacetic acid, Histamine, Snake venom, Toxicology.

7188-69

ZIERIA ARBORESCENS (STINKWOOD) INTOXICATION IN CATTLE.

B L Munday

Australian Vet J 44(11):501-502 REF

Nov 1968 41.8 AU72

Cattle, Poisoning, Poisonous plants, Zieria arborescens.

7189-69

DEGRADATION AND ACTIVATION OF PARATHION ANALOGS BY MICROSOMAL ENZYMES.

T Nakatsugawa N M Tolman P A Dahm

Biochem Pharmacol 17(8):1517-1528 REF

Aug 1968 396.8 B52

Degradation, Enzymes, Insecticides, Laboratory animals, Metabolism, Organophosphorus compounds, Parathion.

7190-69

INTERACTION OF DDT WITH THE COMPONENTS OF LOBSTER NERVE MEMBRANE CONDUCTANCE.

T Narahashi H G Haas

J Gen Physiol 51(2):177-198 REF

Feb 1968 447.8 J822

Bio-electric potential, Chlorinated hydrocarbons, DDT, Lobsters, Nerves, Physiology.

7191-69

EFFECT OF FLOXOSCELES RECLUSA GERTSCH AND MULAİK VENOM AGAINST HEMOCYTES OF ACHETA DOMESTICUS (LINNAEUS).

B R Norment O E Smith

Toxicon 6(2):141-144

Oct 1968 391.8 T66

Acheta domesticus, Hemolysis, Insect physiology, Loxosceles reclusa, Necrosis, Toxicology, Venoms.

7192-69

RESIDUES IN THE BODY FAT OF STEERS FED KELTHANE IN THEIR RATION. (ABSTRACT).

S A Peoples

Fed Amer Soc Exp Biol Fed Proc 27(2):597

Mar 1968 442.9 F31P

Adipose tissue (animals), Animal metabolism, Cattle, Chemurgy, Dicolof, DDT, Feed, Insecticide residues, Toxicology.

7193-69

PESTICIDE SAFETY: PLAIN OL' GOOD JUDGEMENT.

S Rachesky

Pest Contr 37(1):9-10,12

Jan 1969 449.8 EX8

Accident prevention, Pest control, Pesticides, Toxicology.

7194-69

TECHNIQUES FOR THE SYSTEMATIC CONTROL OF ANTHELMINTICS. GASTROINTESTINAL NEMATODES. TESTS WITH A SERIES OF INDOLE-HYDRAZINES. (SP)

A M Rama

Spain Patronato Biol Anim Rev 11(3/4):71-157 REF

1967 49.9 SP16

Anthelmintics, Drug therapy, Gastrointestinal system, Hydrazine, Indole, Livestock diseases, Nematocides, Nematodes, Nematodiasis, Pharmacology.

7195-69

CORTISONE NEPHROPATHY IN THE RABBIT. THE EFFECT OF WARFARIN ADMINISTRATION.

L Rammer

Acta Pathol Microbiol Scand 74(4):514-518 REF

1968 448.3 AC8

Animal diseases, Animal histology, Cortisone, Drug therapy, Electron microscopy, Kidneys, Rabbits, Warfarin.

7196-69

CLINICAL AND LABORATORY NOTES ON PARATHION POISONING IN FOWL, SCREENING AVAILABILITIES IN MEAT AND VARIOUS TESTS. (RUM)

M D Rapeanu E Crainiceanu C Tanase A

Georgescu

- Rev Zootech* 18(10):67-71
Oct 1968 49 P943
Food contamination, Insecticides, Meat inspection, Organophosphorus compounds, Parathion, Poisoning, Poultry, Poultry meat, Symptomatology, Testing.
- 7197-69**
POISONING ON THE FARM. A REPORT OF A CASE OF ORGANOPHOSPHORUS POISONING. (ABSTRACT).
I H Redhead
Excerpta Med Pharm Toxicol 21(12):600
Dec 1968 241.64 EX23
Cholinesterases, Dmcton, Disulfoton, Humans, Organophosphorus compounds, Pesticides, Poisoning, Reports, Toxicology. From *Lancet*, 1968, 1/7544, (686-688).
- 7198-69**
THE EFFECT OF SEX AND AGE ON THE RESPONSE TO WARFARIN IN A NON-INBRED STRAIN OF MICE.
F P Rowe R Redfern
J Hyg 65(1):55-60
Mar 1967 449.8 J82
Aging, Chemical control (pests), Mice, Rodenticides, Sex, Toxicology, Warfarin.
- 7199-69**
VENOM OF THE SCORPION VEJOVIS SPINIGERUS.
F E Russell C B Alender F W Buess
Science 159(3810):90-91 REF
05 Jan 1968 470 SC12
Insect biochemistry, Mortality, Pharmacology, Scorpionida, Venoms.
- 7200-69**
REDUCTION IN AFLATOXIN CONTAMINATION OF RICE BY MILLING PROCEDURES.
H W Schroeder R A Boller H Hein
Cereal Chem 45(6):574-580 REF
Nov 1968 59.8 C33
Aflatoxin, *Aspergillus candidus*, *Aspergillus flavus*, *Aspergillus glaucus*, *Aspergillus parasiticus*, Chromatography, Food contamination, Food processing, Fungus diseases (plants), Humidity, Milling, Rice, Storage, Temperature.
- 7201-69**
EFFECT OF CARBARYL ON THE NEUROENDOCRINE SYSTEM OF RATS.
A I Shtenberg M N Rybakova
Food Cosmet Toxicol 6(4):461-467 REF
Dec 1968 391.8 F73
Carbamates, Carbaryl, Pesticides, Rats, Toxins. French and German summaries.
- 7202-69**
TERATOGENIC ACTION OF CARBARYL IN BEAGLE DOGS.
H E Smalley J M Curtis F L Earl
Toxicol Appl Pharmacol 13(3):392-403 REF
Nov 1968 391.8 T662
Animal abnormalities, Carbamates, Carbaryl, Dogs, Insecticides, Symptomatology.
- 7203-69**
ON THE BEHAVIOR OF XANTHURENIC ACID IN RABBITS TREATED WITH MASSIVE DOSES OF PYRIDOXINE. (IT)
D Spisni A P Mariani
Pisa Univ Stud Fac Med Vet Ann 20:210-214
1967 41.9 P67
Drug therapy, Rabbits, Tables (data), Urine, Vitamin b6, Xanthurenic acid. English and French summaries.
- 7204-69**
THE SAFETY EVALUATION OF PET PRODUCTS.
D E Stevenson
Vet Rec 84(7):168-170
15 Feb 1969 41.8 V641
Accident prevention, Chemicals, Drugs, Legislation, Pets, Therapeutics, Veterinary medicine.
- 7205-69**
FLUOROSIS IN CATTLE AND SHEEP, OBSERVED AROUND INDUSTRIAL PLANTS IN BULGARIA. (BU)
B Tatarov E Lazarov G Dimitrov L Kunchev
Vet Med Nauk 5(7):29-34 REF
1968 41.8 V6468
Cattle, Diagnosis, Fluorosis, Poisoning, Sheep, Tecth. English and Russian summaries.
- 7206-69**
COMBINED ACTION OF DDT WITH CHLOROPHOS AND OF THIOPHOS WITH CHLOROPHOS. (RUS)
A A Tostanovskaya V S Lapchenko V I Svatkov G P Egorova
Vop Pitan 27(3,MAY-JUN):69-73
1968 389.8 V89
Chlorinated hydrocarbons, DDT, Organophosphorus compounds, Parathion, Pesticides, Toxicology, Trichlorfon. English summary.
- 7207-69**
BIOCHEMICAL STUDIES ON THE TERATOGENIC ACTION OF BIDRIN AND OTHER NEUROACTIVE AGENTS IN DEVELOPING HEN EGGS.
D G Upshall J C Roger J E Casida
Biochem Pharmacol 17(8):1529-1542 REF
Aug 1968 396.8 B52
Animal abnormalities, Bidrin, Biochemistry, Eggs, Organophosphorus compounds.
- 7208-69**
AMMONIA POISONING IN CARP. 3. THE OXYGEN CONTENT AS A FACTOR INFLUENCING THE TOXIC LIMIT OF AMMONIA.
R Vamos R Tasnadi
Acta Biol (N s) 13(3/4):99-105
1967 442.8 AC86
Ammonia, Copper sulfate, Decay, Fish, Hydrogen-ion concentration, Poisoning, Ponds.
- 7209-69**
HOW FDA KEEPS DRUGS SAFE, EFFECTIVE.
C D Van Houweling
Western Livestock 47(10):45-46
Jan 1969 6 F2278
Drugs, Labeling, Veterinary medicine.
- 7210-69**
TOXICITIES OF TWO INSECTICIDES TO YOUNG COHO SALMON.
F P J Velsen D F Alderdice
Can Fish Res Board J 24(5):1173-1175
May 1967 442.9 C16J
Benzene hexachloride, C-8514/Schering 36268, Insecticide residues, Salmon, Water pollution.
The toxicities of C8514 and BHC were compared in coho salmon. Much higher concentrations of C8514 were required to produce toxic effects than BHC, however, the instability of C8514 could cause harmful residues.
- 7211-69**
COMBATING POISONING DUE TO INSECTICIDES.
E J Vevai
Pesticides 1(5):21-24
Jan 1968 SB951.P43
Accident prevention, Insecticides, Poisoning, Safety education.
- 7212-69**
NICKEL TOXICITY IN YOUNG GROWING MICE.
C W Weber B L Reid
J Anim Sci 28(5):620-623 REF
May 1969 49 J82
Animal nutrition, Animal physiology, Mice, Nickel, Toxicology.
- 7213-69**
INCREASE IN RESISTANCE TO ANTIBIOTICS IN MASTITIS AGENTS. (GE)
U Weigt R Kramer
Deut Tierarztl Wochensh 75(24):617-622 REF
- 15 Dec 1968 41.8 D482
Antibiotics, Bacterial diseases (animals), Drug therapy, Mastitis, Penicillin, Streptomycin, Tetracycline. English summary.
- 7214-69**
APPLICABILITY OF MILDEW-INFESTED WHEAT TO FEEDING.- SHORT COMMUNICATION. (GE)
E Wiesner
Monatsh Vet 23(18):706-708
15 Sep 1968 41.8 M742
Feed toxicity, Laboratory animals, Mildew, Swine, *Tilletia caries*, Toxicology, Wheat. English and Russian summaries.
- 7215-69**
TOXICITY OF DDT AND RELATED COMPOUNDS TO CERTAIN LEPIDOPTERAN COTTON INSECTS.
D A Wolfenbarger W L Lowry
J Econ Entomol 62(2):432-435 REF
15 Apr 1969 421 J822
Chlorinated hydrocarbons, Cotton, DDT, Insect pests, Lepidoptera, Spraying.
- 7216-69**
PERMISSIBLE LEVELS OF OCCUPATIONAL EXPOSURE TO AIRBORNE TOXIC SUBSTANCES. SIXTH REPORT OF THE JOINT ILO/WHO COMMITTEE ON OCCUPATIONAL HEALTH.
World Health Organ Tech Rep Ser 6(415):16P
1969 449.9 W892T
Air pollution, Reports, Tolerances, Toxicology.

PLANT PHYSIOLOGY & BIOCHEMISTRY

- 7217-69**
POSTIRRADIATION MODIFICATION OF ULTRAVIOLET-SENSITIVITY OF NORMAL AND NITROFURAZONE-RESISTANT STRAINS OF THE BLUE-GREEN ALGA ANACYSTIS NIDULANS.
Radiat Bot 9(2):105-110 REF
Mar 1969 450 R11
Algae, Irradiation, Microorganisms, Nitrofurazone, Plant biochemistry, Ultraviolet rays. French and German summaries.
- 7218-69**
EFFECTS OF GROWTH RETARDANTS ON VITIS VINIFERA L.
Vitis 6(3):278-287
Aug 1967 95.8 V833
Chloroethyltrimethylammonium chloride, (2-, Crop yields, Grapes, Plant growth inhibitors, Succinic acid, 2,2-dimethylhydrazide, Tributyl(2,4-dichlorobenzyl)phosphonium chloride.
- 7219-69**
EFFECT OF PARAQUAT ON THE NITROGEN CONTENT AND REGROWTH OF COASTAL BERMUDAGRASS (CYNODON DACTYLON (L.) PERS.).
S C O Agbakoba J R Goodin
Agron J 59(6,NOV-DEC):605-607
Dec 1967 4 AM34P
Cynodon dactylon, Fertilizers, Nitrogen, Paraquat, Plant physiology, Proteins.
- 7220-69**
COTTON UNAFFECTED BY SYSTEMICS AND HERBICIDES.
Anonymous
Miss Farmer 17(4):12D
Apr 1969 6 M6992
Chemical control (weeds), Cotton, Herbicides, Systemic insecticides, Trifluralin.
- 7221-69**
PENETRATION AND DISTRIBUTION OF SOME ANTIBIOTICS IN COTTON TISSUE AND ITS RESISTANCE TO BACTERIAL BLIGHT OF COTTON. (RUS)

7222-69

S A Askarova

Uz Biol Zhur (3):20-23

1968 442.8 UZ1

Angular leafspot, Antibiotics, Cotton, Plant disease resistance, Plant embryos. English summary

7222-69

EFFECTS OF ORGANIC ARSENICAL HERBICIDES ON COTTON RESPONSE AND CHEMICAL RESIDUES.

R S Baker H F Arle J H Miller J T Holstun

Weed Sci 17(1):37-40

Jan 1969 79.8 W41

Arsenic compounds, Cotton, Disodium methanearsonate, Herbicide residues, Herbicides, Methodology, Organic compounds, Pesticide application, Plant physiology, Seeds, Sodium, Soil analysis.

7223-69

INFLUENCE OF SOME HERBICIDES ON ACCUMULATION OF ³²P IN ABOVE-GROUND ORGANS OF OATS. (POL)

R Baranowski J Bors M Ploszynski H Zurawski

*Inst Uprawy Nawozenia Gleboznawstwa Pam**Pulawski* 28:63-77 REF

1967 64.9 IN7

Amino acids, Herbicides, Isotopes, Monuron, Oats, Phosphorus, Photosynthesis, Plant physiology, S-triazine, Simazine, Sugars, Urea. English and Russian summaries.

7224-69

STIMULATORY EFFECTS OF GIBBERELINS ON THE GROWTH OF CHLORELLA PYRENOIDOSA (CHICK).

F E Bendana M Fried

Life Sci 6(10,PT 1):1023-1033 REF

01 May 1967 442.8 L62

Carbon dioxide, Chlorella, Gibberellins, Light, Plant nutrition, Plant physiology, Plant regulators.

7225-69

NITROGEN METABOLISM IN DEVELOPING SEEDS OF VICIA FABA.

D Boulter O J Davis

New Phytol 67(4):935-946 REF

Oct 1968 450 N42

Broadbeans, Globulins, Nitrogen, Plant metabolism, Seed analysis.

7226-69

COMPARATIVE SUSCEPTIBILITY OF ASPERGILLUS TOWARDS VARIOUS FUNGICIDES AND ANTISEPTICS. (FR)

P Boutibonnes

Acad Vet France Bull 41(7):305-308

Jul 1968 41.9 R24

Antiseptics, Aspergillus, Fungicide resistant fungi, Fungicides, Quaternary ammonium compounds, Thiazolyl-benzimidazole, 2-(4-).

7227-69

THE EFFECT OF SOME HERBICIDES ON WEEDINESS AND YIELD OF POTATOES ON ALLUVIUM SOIL. (SE)

D Bozic M Misovic

Beograd Univ Zb Rad Poljopr Fak 15(456):7P REF

1967 106 B41Z

Alluvial soils, Chemical control (weeds), Crop yields, Herbicides, Potatoes, Prometryne, Simazine. English summary.

7228-69

THE EFFECT OF MAGNESIUM ON THE GROWTH OF LUCERNE, GROWN ON GREY FOREST SOILS. (BU)

I Bucharova G Hinov

Pochvozn Agrokhim 3(1):91-96 REF

1968 S590.P6

Alfalfa, Forest soils, Magnesium, Micronutrients, Plant biochemistry, Plant nutrition. English and Russian summaries.

7229-69

AN INJECTION METHOD FOR TREATING HEMEROCALLIS SPIKES WITH COLCHICINE.

W O Buck

Calif Hort Soc J 29(2):47-48

Apr 1968 81 C1293

Cell division, Colchicine, Hemerocallis, Horticulture, Inhibitors, Injections, Methodology, Plant biochemistry, Plant breeding.

7230-69

FOLIAR PENETRATION OF PLANT GROWTH SUBSTANCES WITH SPECIAL REFERENCE TO BINDING BY CUTICULAR SURFACES OF PEAR LEAVES.

N J Bukovac Norris

Agrochimica 12(2/3,FEB-APR):217-230 REF

1968 385 AG84

Foliar application, Naphthaleneacetic acid, Pears, Plant biochemistry, Plant regulators. French, German, Spanish, Italian summaries.

7231-69

INFLUENCE OF RETARDANTS ON THE GROWTH AND FLOWERING OF PLANTS.

M Kh Chailakhyan V G Kochankov

Fiziol Rast 14(5, SEP-OCT):652-660 REF

Oct 1967 450 F58

Chloroethyltrimethylammonium chloride, (2-, Grain, Phosfon, Plant physiology, Plant regulators, Plant reproduction, Shrubs.

7232-69

GROWTH CHARACTERISTICS AND HERBICIDE SUSCEPTIBILITY OF TEXAS PANICUM.

J M Chandler P W Santelmann

Weed Sci 17(1):91-93

Jan 1969 79.8 W41

Annual plants, Chlorinated hydrocarbons, Herbicides, Panicum, Plant physiology, Seed germination, Seed treatment, Susceptibility, Temperature.

7233-69

AUXIN AND WALL EXTENSIBILITY: REVERSIBILITY OF AUXIN-INDUCED WALL-LOSENING PROCESS.

R Cleland

Science 160(3824):192-194 REF

12 Apr 1968 470 SCI2

Avena, Cell wall, Enzymes, Plant biochemistry, Plant growth inhibitors, Plant regulators, Plant respiration.

7234-69

EFFECT OF DDT, DIELDRIN, HEPTACHLOR ON THE GROWTH OF SELECTED BACTERIA.

J A Collins B E Langlois

Appl Microbiol 16(5):799-800

May 1968 448.3 AP5

Biochemistry, Dielldrin, DDT, Escherichia coli, Heptachlor, Pesticides, Plant physiology, Pseudomonas fluorescens, Soil bacteria, Staphylococcus aureus.

7235-69

EFFECT OF DDT, DIELDRIN AND HEPTACHLOR ON THE GROWTH OF SELECTED BACTERIA. (ABSTRACT).

J A Collins B E Langlois

J Dairy Sci 51(4):619

Apr 1968 44.8 J822

Bacteria, Dielldrin, DDT, Escherichia coli, Heptachlor, Plant physiology, Pseudomonas fluorescens, Skim milk. Abstract of paper presented at the American Dairy Science Association Southern Division annual meeting, Louisville, Feb. 5-7, 1968.

7236-69

INFLUENCE OF ATRAZINE AND VARIED CARBON AND NITROGEN AMENDMENTS ON GROWTH OF SCLEROTIUM ROLFSSII AND TRICHODERMA VIRIDE IN SOIL.

E A Curl R Rodriguez-Kabana H H Funderburk

Phytopathology 58(3):323-328 REF

Mar 1968 464.8 P56

Atrazine, Carbon, Fungi, Glucose, Nitrogen, Plant biochemistry, Plant physiology, Potassium phosphate, Sclerotium rolfssii, Sodium nitrate, Soil sterilization, Trichoderma viride.

7237-69

EFFECTS OF INDOLEACETIC ACID ON INTRACELLULAR DISTRIBUTION OF BETA-GLUCANASE ACTIVITIES IN THE PEA EPICOTYL.

E Davies G A MacLachlan

Arch Biochem Biophys 128(3):595-600 REF

Dec 1968 381 AR2 (1)

Actinomycin d, Cells, Cellulase, Indoleacetic acid, Peas, Plant biochemistry, Plant hormones, Plant physiology, Plant translocation.

7238-69

JUICE QUALITY OF GRAPEFRUIT FOLLOWING JUNE VERSUS SEPTEMBER APPLICATIONS OF A 412 PARAFFINIC PETROLEUM OIL WITH DATA ON CONTROL OF CERTAIN PESTS.

H A Dean C E Hoelscher

Rio Grande Val Hort Soc J 22:26-34 REF

1968 81 L95

Chemical control (pests), Chlorinated hydrocarbons, Citrus, Coccus hesperidum, Dicotyl, Eutetranychus banksi, Food analysis, Grapefruit, Grapefruit juice, Malathion, Organophosphorus compounds, Paraffin oils, Parlatoria pergandii, Pesticide application, Pesticides, Quality control.

7239-69

EFFECT OF THE MOISTURE CONTENT AND POST-IRRADIATION TEMPERATURE ON THE RADIOSENSITIVITY OF WHEAT AND BARLEY SEEDS. (SE)

M Denic

Zvornik 15(436):25P REF

1967 106 B41Z

Barley, Moisture content (seeds), Plant genetics, Radiation, Seeds, Temperature, Wheat.

7240-69

INFLUENCE OF SOIL AND SITE ON RED PINE (PINUS RESINOSA AIT.) PLANTATIONS IN NEW YORK. II. SOIL TYPE AND PHYSICAL PROPERTIES.

J A DeMent E L Stone

N C (Cornell) Agr Exp Sta Bull (1020):25P MAP REF

Jul 1968 100 N48C (1)

Climate, Pinus resinosa, Site index, Soil science, Tree planting.

7241-69

INTERACTION OF PLANT HORMONES.

R E Drury

Science 164(3879):564-565

02 May 1969 470 SCI2

Gibberellins, Plant biochemistry, Plant hormones, Plant regulators.

7242-69

EFFECT OF THE COMPOSITION OF THE NUTRIENT MEDIUM ON THE AMYLASE LOCALIZATION IN ASPERGILLUS ORYZAE. (RUS)

R V Fenixova A S Tikhomirova A K Kulikova

Priklad Biokhim Mikrobiol Akad Nauk SSSR

3(4,JUL/AUG):394-400

1967 385 P93

Amylases, Aspergillus oryzae, Biosynthesis, Mycelium, Plant biochemistry, Plant nutrition. English summary.

7243-69

ON THE MECHANISM OF CHLORIDE TOXICITY.

L B Fenn F T Bingham J J Oertli

Calif Avocado Soc Yearbook 52:113-116

1968 81 C128

Avocados, Chlorides, Micronutrients, Plant nutrition, Toxicology.

7244-69

FUNGAL POLYSACCHARIDE COMPOSITION AND METHOD FOR MAKING SAME. PATENT 3,436,311.

R B Ferguson J D Westover

Us Patent Office Offic Gaz 861(1):220

01 Apr 1969 156.65 OF2

Absorption, Fungi, Hyphae, Methodology, Plant biochemistry, Polysaccharides, Water.

7245-69
CYTOCHEMICAL EFFECTS OF INDOLEACETIC ACID AND KINETIN ON MEGAGAMETOPHYTIC DEVELOPMENT IN LILIUM.

F F Flint
Phytomorphology 17(1-4,MAR-DEC):462-468
REF
1967 450 P566

Cytology, Gametogenesis, Indoleacetic acid, Kinectin, *Lilium candidum*, Plant biochemistry, Plant growth inhibitors, Plant regulators.

7246-69
THE METABOLISM OF 3,4-DICHLOROPROPIONANILIDE IN PLANTS. PARTIAL PURIFICATION AND PROPERTIES OF AN ARYL ACYLAMIDASE FROM RICE.

D S Frear G G Still
Phytochemistry 7(6):913-920
Jun 1968 450 P5622

Carbamates, Enzymes, Insecticides, Plant biochemistry, Plant metabolism, Propanil, Rice.

7247-69
ACUSTOMING OF FUNGI-ANTAGONISTS TO COTTON RHIZOSPHERE AND THEIR EFFECTS ON COTTON PRODUCTIVITY AND DISEASE WITH VERTICILLIUM WILT. (RUS)

M A Gazikhodzhaeva Z E Bekker
Uz Biol Zhur (3):24-28
1968 442.8 UZI

Cotton, Crop yields, Fungicides, Rhizosphere, Verticillium wilt. English summary.

7248-69
INFLUENCE OF HERBICIDES FROM S-TRIAZINE GROUP ON DYNAMICS OF SOME BIOCHEMICAL PROCESSES OF OATS IN TEST EXPERIMENTS. PART II. RESEARCHES ON ACTION OF PROPAGAZINE, PROMETRINE, AND PROMETONE. (POL)

J Glabiszewski M Ploszynski G Szumilak H Zurawski
Inst Uprawy Nawozenia Gleboznawstwa Pam Pulawski 28:45-61 REF
1967 64.9 IN7

Biochemistry, Greenhouse culture, Herbicides, Oats, Plant physiology, Prometone, Prometryne, Propazin, Research, S-triazine. English and Russian summaries.

7249-69
TOBACCO STALK AND ROOT DESTRUCTION WITH HERBICIDES AND THEIR EFFECT ON TOBACCO MOSAIC VIRUS.

G V Gooding G B Lucas
Plant Dis Rep 53(3):174-178
Mar 1969 1.9 P69P

Herbicides, Mosaic, Plant discases, Plant injuries, Plant physiology, Roots, Tobacco, Tobacco mosaic virus, Virus discases (plants).

7250-69
CHANGES IN RATION OF SUGARS AND AMINO ACIDS IN COTTON-PLANT AND MAIZE UPON GAMMA-IRRADIATION OF SEEDS PRIOR TO SOWING. (RUS)

A P Ibragimov K G Marphina
Biokhimiya 33(3,MAY-JUN):445-450
1968 385 B523

Amino acids, Corn, Cotton, Gamma rays, Irradiation, Plant biochemistry, Seed planting, Sugar. English summary.

7251-69
GIBBERELLIN AND GROWTH IN STONE FRUITS: INDUCTION OF PARTHENO-CARPY IN PLUM.

D I Jackson
Australian J Biol Sci 21(6):1103-1106 REF
Dec 1968 442.8 AU72

Fruit, Gibberellic acid, Plant hormones, Plant morphology, Plant physiology, Plums, Seeds.

7252-69
CHEMOSTERILIZATION OF THE TWO-SPOTTED SPIDER MITE. III. EFFECT ON HOST PLANT.

M Jalil P E Morrison
J Econ Entomol 62(2):506-507
15 Apr 1969 421 J822

Apholate, Biological control (insects), Chemical control (insects), Chemosterilants, Fluoroorotic acid, 5-, Fluorouracil, 5-, Phytotoxicity, Scarlet runner beans, Tapa, Tetranychus urticae.

7253-69
OCCURRENCE OF ACCESSORY CHROMOSOMES IN PANICUM MAXIMUM JACQ..

P P Jauhar
Cur Sci 36(9):244-245
05 May 1967 475 SCI23

Chromosomes, Evolution, Panicum maximum, Plant genetics.

7254-69
CONVERSION OF DDT TO DDD BY PATHOGENIC AND SAPROPHYTIC BACTERIA ASSOCIATED WITH PLANTS.

B T Johnson R N Goodman R N Goldberg
157(3788):560-561 REF

04 Aug 1967 470 SCI2
Bacteria, Chromatography, Degradation, Dichloro-2,2-bis(p-chlorophenyl) ethylene, 1,1-, DDT, Metabolites, Oxygen, Saprophytes, Tde.

7255-69
ARGININE METABOLISM IN GERMINATING SEEDS OF SOME MEMBERS OF THE LEGUMINOSAE.

V M Jones D Boulter
New Phyto Logist 67(4):925-934 REF
Oct 1968 450 N42

Arginase, Arginine, Broadbeans, Jackbeans, Kidney beans, Leguminosae, Ornithine, Pisum sativum, Plant metabolism, Seed germination.

7256-69
RECOVERY FROM GAMMA RADIATION INJURY IN BARLEY SEEDS.

R K Joshi B K Gaur N K Notani
Radiat Bot 9(2):141-145
Mar 1969 450 R11

Barley, Gamma rays, Humidity, Plant injuries, Radiation, Storage. French and German summaries.

7257-69
ENZYME STUDIES IN NEMATODE INFECTED ROOT-KNOTS OF THE TOMATO PLANT.

S Kannan
Cur Sci 36(21):585-586
05 Nov 1967 475 SCI23

Enzymes, Meloidogyne incognita acrita, Plant metabolism, Plant nematodes, Root knot, Tomatoes.

7258-69
THE EFFECT OF SOME TREATMENT CONDITIONS ON THE RADIOMIMETIC ACTIVITY OF 1-METHYL-3-NITRO-1-NITROGUANIDINE IN PLANTS.

B L Kaul
Mutation Res 7(1 JAN-FEB):43-49 REF
1969 443.8 M98

Chromosomes, Deoxyribonucleic acid, Hydrogenion concentration, Methyl-3-nitro-1-nitroguanidine, 1-, Plant biochemistry, Plant genetics, Temperature.

7259-69
FORMATION OF SYMMETRICAL AZO DERIVATIVES OF MONOCHLOROTOLUIDINES BY PEROXIDATIC CATALYSIS.

C O Knowles A K Sen Gupta T K Hassan
J Econ Entomol 62(2):411-414
15 Apr 1969 421 J822

Azo compounds, Catalase, Horseradish, Peroxidases, Toluidine compounds.

The monochlorotoluidines tested were: 3-chloro-toluidine, 4-chloro-o-toluidine, 5-chloro-o-toluidine, 6-chloro-o-toluidine, 2-chloro-p-toluidine, 3-chloro-p-toluidine, and o-toluidine.

7260-69
EFFECT OF THE TRIAZINE HERBICIDES SIMAZINE AND ATRAZINE UPON YOUNG PLUM TREES. (BU)

M Krasteva
Horticult Viticult Sci 5(3):47-52 REF
1968 87 G75

Atrazine, Herbicides, Morphology, Oxygen, Plant physiology, Plums, Simazine, Trees, Triazine herbicides. English and Russian summaries.

7261-69
THE INFLUENCE OF INDOLE-3-ACETIC ACID AND VITAMIN B1 ON THE GROWTH AND YIELDS OF SUNFLOWER PLANTS.

T G Kudrev
Bulg Akad Nauk Dokl 21(3):273-275
1968 512 SO2

Crop yields, Indoleacetic acid, Plant regulators, Sunflowers, Thiamine.

7262-69
TRANSLOCATION OF LABELED ASSIMILATES INTO AND OUT OF BEAN LEAVES AS AFFECTED BY 2,4-D AND BENZYL ADENINE.

O A Leonard T W Donaldson D E Bayer
Bot Gaz 129(4):266-279 REF
Dec 1968 450 B652

Beans, Benzyladenine, D, 2,4-, Leaves, Phenoxy acid compounds, Plant physiology, Plant translocation.

7263-69
A NOTE ON CYCOCEL (2-CHLOROETHYL TRIMETHYL AMMONIUM CHLORIDE), A NEWLY RELEASED PLANT GROWTH REGULANT.

D S Lingaraj K M Srinivasan
Cur Sci 36(8):215-216
20 Apr 1967 475 SCI23

Cycocel, Kidney beans, Plant physiology, Seed germination.

7264-69
CONVERSION OF 4-(2,4-DICHLOROPHENOXY) BUTYRIC ACID TO HOMOLOGS BY ALFALFA; MECHANISM OF RESISTANCE TO THIS HERBICIDE.

D L Linscott R D Hagin J E Dawson
J Agr Food Chem 16(5):844-848 REF
Sep 1968 381 J8223

Alfalfa, Biochemistry, Chromatography, Dichlorophenoxy) butyric acid, 4-(2,4-, Herbicide resistant plants, Herbicides, Immunity, Insecticide application, Metabolites, Plant hardness, Spraying, 2,4-d.

7265-69
EFFECTS OF SELECTED HERBICIDES UPON GROWTH OF SOIL ALGAE.

C Loeppky B G Tweedy
Weed Sci 17(1):110-113 REF
Jan 1969 79.8 W41

Atrazine, Chemical control (weeds), Chlamydomonas reinhardtii, Chlorella, Diphenamid, Herbicides, Metobromuron, Plant physiology, Soil algae.

7266-69
INFLUENCE OF MAGNESIUM AND ZINC FERTILIZING ON THE YIELD, QUALITY AS WELL AS HEALTH OF HOPS. (POL)

K Majcowski
Inst Uprawy Nawozenia Gleboznawstwa Pam Pulawski 28:99-108
1967 64.9 IN7

Crop yields, Environment, Fertilizers, Hops, Magnesium, Plant physiology, Sulfates, Tortricitidae, Zinc. English and Russian summaries.

7267-69

7267-69
EFFECTS OF FUNGICIDE DRENCHES ON ESTABLISHED POINSETTIA PLANTS.

W J Manning F J Campbell M Glickman
Plant Dis Rep 53(3):225-227
 Mar 1969 1.9 P69P

Euphorbia pulcherrima, Fungicides, Fungus diseases (plants), Pythium, Rhizoctonia solani, Roots, Soils, Thielaviopsis basicola.

7268-69

RETARDATION OF THE ELABORATION OF AFLATOXIN IN COTTONSEED BY IMPERMEABILITY OF THE SEEDCOATS.

R Y Mayne G A Harper A O Franz L S Lcc L A Goldblatt
Crop Sci 9(2,MAR-APR):147-150 REF
 1969 64.8 C883

Aflatoxin, Aspergillus flavus, Cottonseed, Culture media, Fungi, Permeability, Plant physiology, Seed coats.

7269-69

THE EFFECT OF THE DOSE AND METHOD OF USING HERBICIDE A-1802 AND CULTIVATION MEASURES ON WEEDINESS AND YIELD OF CORN. (SE)

M Milic D Bozic
Beograd Univ Zb Rad Poljopr Fak 15(452):12P
 REF
 1967 106 B41Z

Ametryn, Atrazine, Chemical control (weeds), Climate, Corn, Crop yields, Cultural control (weeds), Dosage, Formulations, Herbicides. English summary.

7270-69

REACTION OF SELECTED SORGHUM VARIETIES AND LINES TO DOWNY MILDEW.

F R Miller R A Frederiksen S T A Khan D T Roscnov
Tex Agr Exp Sta Mp- (890):8P
 Aug 1968 100 T31M

Biological control (plant diseases), Breeding, Crop varieties, Downy mildew, Fungus diseases (plants), Plant disease resistance, Plant physiology, Sclerospora sorghi, Sorghum.

7271-69

THE EFFECT OF HERBICIDES AND CULTIVATION MEASURES ON THE YIELD OF CORN. (SE)

B Milojic M Misovic
Beograd Univ Zb Rad Poljopr Fak 15(458):11P
 1967 106 B41Z

Atrazine, Buturon, Chemical control (weeds), Corn, Crop yields, Cultural control (weeds), Herbicides, Simazine, Tables (data). English summary

7272-69

THE EFFECT OF THE APPLICATION OF HERBICIDES IN THE CONTROL OF WEEDS IN CORN FIELDS. (SE)

B Milojic M Misovic
Beograd Univ Zb Rad Poljopr Fak 15(440):12P
 1967 106 B41Z

Afalon, Buturon, Chemical control (weeds), Chenopodium album, Corn, Dosage, Herbicides, Pesticide application, Simazine, Testing. English summary.

7273-69

FORMATION OF ADVENTITIOUS ROOTS IN TOMATO SEEDLINGS BY CCC TREATMENT.

D Mishra G C Pradhan
Cur Sci 37(9):263-264
 05 May 1968 475 SC123

Chloroethyltrimethylammonium chloride, (2-Plant physiology, Roots, Seedlings, Tomatoes.

7274-69

INTERACTION OF CCC AND COUMARIN OR IAA ON SEEDLING GROWTH OF RICE.

D Mishra S C Paul
Cur Sci 36(20):550-551 REF
 20 Oct 1967 475 SC123

Chloroethyltrimethylammonium chloride, (2-, Coumarin, Indoleacetic acid, Plant growth inhibitors, Plant physiology, Rice.

7275-69

TRANSLLOCATION OF F THE GROWTH RETARDANT N,N-DIMETHYLAMINOSUCCINAMIC ACID-14C (B-995-14C)9.

T C Moore
Bot Gaz 129(4):280-285
 Dec 1968 450 B652

Dimethylaminosuccinamic acid, N-, Plant metabolism, Plant regulators, Plant translocation. Ten plant species are discussed.

7276-69

MICROBIAL DEGRADATION OF FIVE SUBSTITUTED UREA HERBICIDES.

D S Murray W L Rieck J Q Lynd
Weed Sci 17(1):52-55
 Jan 1969 79.8 W41

Aspergillus, Degradation, Dimethyl-3-(alpha,alpha,alpha-trifluoro-m-tolyl)urea, 1,1-, Diuron, Fenuron, Herbicides, Monuron, Norea, Oats, Phytotoxicity, Urea.

7277-69

EFFECT OF LIGHT AND GIBBERELIC ACID ON THE GROWTH OF PEA INTERNODES.

M Neskovic
Fiziol Rast 14(6, NOV-DEC):844-847 REF
 Dec 1967 450 F58

Gibberellic acid, Light, Peas, Plant physiology, Plant regulators. Russian journal- vol. 14(6):1006-1010, Nov.-dec. 1967

7278-69

ENHANCEMENT BY 2,4-DICHLOROPHENOXYACETIC ACID OF CHROMATIN RNA POLYMERASE IN SOYBEAN HYPOCOTYL TISSUE.

T J O'Brien B C Jarvis J H Cherry J B Hanson
Biochim Biophys Acta 169(1):35-43 REF
 20 Nov 1968 381 B522

Chromatin, D, 2,4-, Nucleosides, Plant biochemistry, Polymers, Ribonucleic acid, Soybeans, Synthesis, Tissues.

7279-69

THE EFFECT OF MICROELEMENTS ON THE RATE AND PERCENTAGE OF GERMINATION WITH LUCERNE AND SOYBEAN. (SE)

S Ocokoljic A Mitrovic
Agrohemija (3/4):91-98
 1968 385 AG87

Alfalfa, Micronutrients, Plant physiology, Seed germination, Soybeans. English summary.

7280-69

EFFECTS OF DIMETHYL SULFOXIDE ON THE BIOLOGICAL ACTIVITY OF SELECTED MITICIDES AND INSECTICIDES.

L D Olinger S H Kerr
J Econ Entomol 62(2):403-407
 15 Apr 1969 421 J822

Absorption, Acaricides, Biological assay, Cotton, Dimethylsulfoxide, Dosage, Epilachna varivestis, Insect mortality, Insecticides, Nutrient solutions (plants), Plant translocation, Squash, Tetranychus tumidus.

Carbophenothion, DDT, dicofol, dieldrin, endosulfan, ethion and malathion were used with in combination with DMSO.

7281-69

FLAVONE COMPOSITION, FLOWERING, AND HYPERSENSITIVITY TO VIRUS IN VEGETABLES. (FR)

M Paynot C Martin
Acad Sci Compt Rend Ser D Sci Nat 266(7, 1ST SEMESTER):680-682
 12 Feb 1968 505 P21

Flavones, Flowering, Mosaic, Nicotiana, Plant biochemistry, Temperature, Virus diseases (plants).

7282-69

THE EFFECT OF TRACE ELEMENTS ON THE YIELD AND QUALITY OF CAMOMILE FLOWERS AND PEPPERMINT LEAVES. (RU)

R Pcksova
Latv P Sr Zinat Akad Vestis (7):111-119 REF
 1968 511 R442

Azulene, Camomile, Choline, Crop yields, Fertilizers, Micronutrients, Plant biochemistry, Plant nutrition. English summary.

7283-69

EFFECT OF BORDEAUX MIXTURE SPRAY ON FRUIT SET IN COFFEE (COFFEA ARABICA L.).

B S Puttaswamy Gowda J C Joshi
Mysore J Agr Sci 2(3):247-249
 1968 S19.M9

Bordeaux mixture, Coffee, Fruit setting, Fungicides, Plant physiology, Spraying.

7284-69

TRANSLLOCATION AND METABOLISM OF C14-LABELED TETRAMINE BY DOUGLASS FIR, ORCHARD GRASS, AND BLACKBERRY.

M A Radwan
Forest Sci 13(3):265-273
 Sep 1967 99.8 F7632

Dactylis, Plant biochemistry, Plant metabolism, Plant translocation, Pseudotsuga menziesii, Radioactive tracers, Rubus.

7285-69

STUDIES ON THE LIGHT SENSITIVITY OF PLANTAGO MAJOR L. SEEDS. I. THE EFFECT OF GIBBERELIN, KINETIN AND POTASSIUM NITRATE.

M R Rczk
Acta Biol (Ns) 13(3/4):31-37 REF
 1967 442.8 AC86

Gibberellins, Kinectin, Light, Plant growth inhibitors, Plant physiology, Plant regulators, Plantago major, Potassium nitrate, Seed germination.

7286-69

ETHYLENE PREVENTS NORMAL PHOTOPERIODIC RESPONSE IN CHRYSANTHEMUM MORIFOLIUM.

M N Rogers D E Hartley B O S Tjja
Florist Rev 143(3716):19-21,87-90
 13 Feb 1969 80 W41

Air pollution, Chromatography, Chrysanthemum morifolium, Control equipment, Ethylene, Greenhouse culture, Photoperiodism, Plant physiology, Symptomatology, Temperature.

7287-69

STUDIES ON THE MOLYBDENUM AVAILABILITY. PART III. AN ATTEMPT TO ESTIMATE THE AVAILABLE MOLYBDENUM CONTENT IN SOILS IN CONNECTION WITH THE PLANT TEST. (POL)

M Ruszkowska
Inst Uprawy Nawozenia Gleboznawstwa Pam Pulawski 33:53-76 REF
 1968 64.9 IN7

Deficiency diseases, Fertilizers, Molybdenum, Plant nutrition. English and Russian summary.

7288-69

STUDIES ON THE MOLYBDENUM AVAILABILITY. PART I. MOLYBDENUM UPTAKE BY PLANTS UNDER DIFFERENT NITROGEN AND PHOSPHORUS NUTRITION. (POL)

M Ruszkowska
Inst Uprawy Nawozenia Gleboznawstwa Pam Pulawski 33:5-29 REF
 1968 64.9 IN7

Micronutrients, Molybdenum, Nitrogen, Phosphorus, Plant biochemistry, Plant nutrition. English and Russian summaries.

7289-69

PENETRATION OF CHLORINATED PHENOXYACETIC AND BENZOIC ACIDS INTO LEAVES.

J A Sargent
Agrochimica 12(2/3,FEB-APR):166-172

- 1968 385 AG84
Benzoic acid, Kidney beans, Phenoxy acid compounds, Plant biochemistry, Plant translocation, Radioactive substances, T, 2,4,5-, Trichlorophenoxyacetic acid, 2,4,6-. French, German, Spanish, Italian summaries.
- 7290-69**
EFFECTS OF HERBICIDES ON RESPIRATION OF RED PINE SEED LINGS. II. MONURON, DIURON, DCPA, DALAPON, CDEC, CDAA, EPTC, AND NPA.
S Sasaki T T Kozłowski
Bot Gaz 129(4):286-293 REF
Dec 1968 450 B652
Herbicides, Pinus resinosa, Plant physiology, Plant respiration, Seedlings. The following herbicides are discussed: Monuron, diuron, DCPA, dalapon, CDEC, CDAA, EPTC, and NPA.
- 7291-69**
THE DIFFERENTIAL INTERACTION OF AFLATOXINS B₁, G₁ AND G₂ WITH DEOXYRIBONUCLEIC ACIDS FROM DIFFERENT SOURCES.
J C Schabort
S Afr Chem Inst J 22(1):80-87 REF
Jan 1969 385 S084
Aspergillus flavus, Deoxyribonucleic acid, Metabolites, Plant biochemistry, Spectroscopy. Afrikaans summary.
- 7292-69**
EFFECT OF TRIFLURALIN ON GROWTH, MORPHOLOGY, AND NUCLEIC ACID SYNTHESIS.
D P Schultz H H Funderburk N S Ncigi
Plant Physiol 43(2):265-273
Feb 1968 450 P692
Corn, Nucleic acids, Plant growth inhibitors, Plant histology, Plant morphology, Synthesis, Trifluralin.
- 7293-69**
SOME FACTORS AFFECTING GERMINATION AND SEEDLING GROWTH OF SCOTCH THISTLE (ONOPORDUM ACANTHIUM L.).
C J Scifres M K McCarty
Nebr Agr Exp Sta Bull (228):29P REF
Feb 1969 100 N27 (1)
Onopordum acanthium, Plant ecology, Plant physiology, Plant regulators, Seed germination, Weed control.
- 7294-69**
INFLUENCE OF SIMAZINE ON CHLOROPLAST METABOLISM.
R P Singh S H West
Cur Sci 36(19):510-511
05 Oct 1967 475 SC123
Chlorophylls, Chloroplasts, Herbicides, Oats, Plant metabolism, Proteins, Simazine.
- 7295-69**
INCREASES IN THE LEVELS OF CYTOKININS IN BLEEDING SAP OF VITIS VINIFERA L. AFTER CCC TREATMENT.
K G M Skenc
Science 159(3822):1477-1478
29 Mar 1968 470 SC12
Chloroethyltrimethylammonium chloride, (2-, Chromatography, Cytokinins, Grapes, Plant physiology, Sap.
- 7296-69**
SULFUR RESPONSE OF ALFALFA IN WESTERN MONTANA.
C M Smith L E Stoltzberg D R Graham
Pacific Northwest Fert Conf Proc 19:76-83
16 Jul 1968 57.9 P11
Alfalfa, Fertilizers, Plant analysis, Plant nutrition, Plant regulators, Sulfur.
- 7297-69**
THE DISTRIBUTION OF TRACE ELEMENTS IN THE LEAVES OF THE COCONUT PALM, AND THE EFFECT OF TRACE ELEMENT INJECTIONS.
P J Southern K Dick
Oliagineux 23(819,AUG-SEP):521-527
1968 77.8 OL2
Borax, Coconuts, Injections, Iron sulfates, Leaves, Micronutrients, Plant nutritional deficiencies, Plant physiology, Sulfates, Tables (data), Zinc sulphate.
- 7298-69**
EFFECTS OF SIMULATED RADIOACTIVE FALLOUT DECAY ON GROWTH AND YIELD OF CABBAGE, MAIZE, PEAS AND RADISH.
A H Sparrow L Puglicli
Radiat Bot 9(2):77-92 REF
Mar 1969 450 R11
Cabbage, Cesium isotopes, Corn, Crop yields, Decay, Peas, Plant biochemistry, Plant physiology, Radioactive contamination, Radishes. French and German summaries.
- 7299-69**
PROPAGATION OF GRAPE (VITIS VINIFERA L.) BY AIR LAYERING WITH THE AID OF PLANT REGULATORS.
A C Srivastava S N Singh
Madras Agr J 55(11):499-502
Nov 1968 22 M262
Grapes, Plant layering, Plant physiology, Plant regulators, Reproduction.
- 7300-69**
INVESTIGATION OF THE EFFECT OF GROWTH INHIBITORS ON SHOOT GROWTH OF POZEGACA PLUM CULTIVAR. (SE)
D Stankovic S Savic S Milovanovic
Beograd Univ Zb Rad Poljopr Fak 15(444):7P REF
1967 106 B41Z
Chloroethyltrimethylammonium chloride, (2-, Crop varieties, Glucose, Plant growth inhibitors, Plums. English summary.
- 7301-69**
ASSIMILATION OF THE HERBICIDE PHENAZONE AND ITS DETOXICATION WITHIN PLANTS. (RUS)
O Straume O Romanovskaya V Egert
Latv P Sr Zinat Akad Vestis (1):62-68 REF
1968 511 R442
Detoxification, Herbicides, Plant physiology, Pyrazon. English summary.
- 7302-69**
CYTOGENIC ACTIVITY OF THE HERBICIDES-SIMAZINE AND MALEIC ACID HYDRAZIDE. (RUS)
V S Stroev
Genetika 4(12):130-134
1968 QH431.A1G4
Barley, Cytogenetics, Herbicides, Maleic hydrazide, Plant genetics, Plant physiology, Simazine. English summary.
- 7303-69**
THE MUTAGENIC EFFECT BY THE ACTION OF HERBICIDES ON BARLEY. (RUS)
V S Stroev
Genetika 4(11):164-167 REF
1968 QH431.A1G4
Barley, Herbicides, Mutagens, Plant genetics, Plant regulators, Seed germination. English summary.
The herbicides tested were: Simazine, atrazine, HMA and chloro-IPA.
- 7304-69**
EFFECT OF ACAR ON BLOOM DATE OF RICHARED APPLES.
D T Sullivan F B Widmoyer
Fruit Varieties Horticult Dig 22(4):70-71
Oct 1968 80 F9464
Apples, Crop varieties, Dimethyl amino succinamic acid, N-, Plant biochemistry, Plant physiology, Plant regulators.
- 7305-69**
INFLUENCE OF SIMAZINE ON APPARENT PHOTOSYNTHESIS OF AQUATIC PLANTS AND HERBICIDE RESIDUE REMOVAL FROM WATER.
D L Sutton D A Durham S W Bingham C L Foy
Weed Sci 17(1):56-59 REF
Jan 1969 79.8 W41
Absorption, Aquatic weeds, Chemical control (weeds), Elodea canadensis, Herbicide residues, Lemna minor, Photosynthesis, Simazine, Water pollution.
- 7306-69**
THE INFLUENCE OF INCREASING DOSES OF SIMAZINE UPON THE RATE OF ROOT AND GREEN PARTS GROWTH OF WINTER WHEAT. (POL)
B Swietochowski J Glabiszewski
Inst Uprawy Nawozenia Gleboznawstwa Pam Pulawski 28(3):19-29
1967 64.9 IN7
Atrazine, Corn, Dosage, Herbicides, Plant physiology, Roots, Simazine, Triazine herbicides, Wheat. English and Russian summaries.
- 7307-69**
THE INFLUENCE OF INCREASING DOSES OF SIMAZINE UPON THE RATE OF ROOT AND GREEN PARTS GROWTH OF SOME WEEDS OCCURING IN THE WINTER WHEAT STAND. (POL)
B Swietochowski J Glabiszewski
Inst Uprawy Nawozenia Gleboznawstwa Pam Pulawski 28:31-43
1967 64.9 IN7
Chemical control (weeds), Dosage, Herbicides, Plant physiology, Roots, Simazine, Weeds, Wheat. English and Russian summaries.
- 7308-69**
LODGING IN WHEAT AND ITS CONTROL BY (2-CHLOROETHYL) TRIMETHYLAMMONIUM CHLORIDE (CCC) IN SOLID FORM.
J R Syme
Australian J Exp Agr Anim Husb 8(34):574-577
Oct 1968 23 AU792
Chloroethyltrimethylammonium chloride, (2-, Environment, Lodging, Nitrogen, Plant abnormalities, Plant regulators, Wheat.
- 7309-69**
NITROGEN INCREASES BELL PEPPER SUSCEPTIBILITY TO BACTERIAL SOFT ROT.
J R Thomas
Rio Grande Val Hort Soc J 22:58-63
1968 81 L95
Bacterial diseases (plants), Bacterial soft rot, Crop yields, Fertilization (plants), Hot water treatment (plants), Nitrogen, Redpeppers (vegetable), Storage diseases.
- 7310-69**
ON THE MECHANISM OF GIBBERELLIN-AUXIN INTERACTION. IV. EFFECT OF GIBBERELLIN TREATMENT ON THE OXIDATIVE DESTRUCTION OF INDOLEACETIC ACID IN BEAN HYPOCOTYL TISSUES.
M Varga M Bito
Acta Biol (N s) 13(3/4):107-112 REF
1967 442.8 AC86
Beans, Gibberellins, Indoleacetic acid, Plant growth inhibitors, Plant hormones, Plant regulators.
- 7311-69**
THE PREPARATION OF L- AND D-ALPHA-AMINO-BETA-METHYLAMINOPROPIONIC ACIDS AND THE IDENTIFICATION OF THE COMPOUND ISOLATED FROM CYCAS CIRCINALIS AS THE L-ISOMER.
A Vega E A Bell P B Nunn
Phytochemistry 7(10):1885-1887
Oct 1968 450 P5622
Amino acids, Cycas circinalis, Isomers, Plant biochemistry, Propionic acid, Seeds, Synthesis.
- 7312-69**
RELATION BETWEEN BLACK SPOT AND COMPOSITION OF THE POTATO TUBER.
N Vertregt
Europe Potato J 11(1):34-44
Mar 1968 75.8 EU7
Black spot, Crop varieties, Phenolases, Plant biochemistry, Plant diseases, Plant injuries, Plant

physiology, Potassium, Potatoes, Tyrosine. German and French summaries.

7313-69

EFFECTS OF 2-CHLOROETHYL-TRIMETHYLAMMONIUM CHLORIDE (CCC) ON YIELD AND LODGING OF WHEAT.

N M De Vos K Dilz J Bruinsma
Neth J Agr Sci 15(1):50-62 REF

Feb 1967 12 N3892

Crop yields, CCC, Lodging (wheat), Nitrogen, Plant growth inhibitors, Wheat. English abstract

7314-69

RESPONSE OF FLAX TO POSTEMERGENCE HERBICIDES.

J D Walewaja R E Bothun
Crop Sci 9(2,MAR-APR):160-162
1969 64.8 C883

Bromoxynil, Chemical control (weeds), Chlorinated hydrocarbons, Dalapon, Dicamba, Flax, Herbicides, Methyl-4-chlorophenoxyacetic acid, 2-, Phenoxy acid compounds, Picloram, Plant physiology.

7315-69

THE EFFECT OF POTASSIUM ON THE METABOLISM OF SUGAR BEET PLANTS INFECTED WITH SUGAR BEET YELLOW VIRUS. PART II. NET ASSIMILATION RATE AND SUGAR PRODUCTION. (POL)

M Warcholowa
Inst Uprawy Nawozenia Gleboznawstwa Pam Pulawski 33:121-142 REF
1968 64.9 IN7

Photosynthesis, Plant biochemistry, Plant metabolism, Potassium, Sucrose, Sugar, Sugar beets, Virus diseases (plants), Yellows. English and Russian summaries.

7316-69

THE EFFECT OF POTASSIUM ON THE METABOLISM OF SUGAR BEET PLANTS INFECTED WITH SUGAR BEET YELLOW VIRUS. PART I. WATER BALANCE AND THE OPTAKE OF SOME MINERAL NUTRIENTS. (POL)

M Warcholowa
Inst Uprawy Nawozenia Gleboznawstwa Pam Pulawski 33:91-119 REF
1968 64.9 IN7

Micronutrients, Myzus persicae, Plant metabolism, Plant nutrition, Potassium, Sugar beets, Virus diseases (plants), Yellows. English and Russian summaries.

7317-69

EFFECT OF CCC AND GLYCINE BETAINE ON GROWTH AND GROWTH-SUBSTANCE CONTENT OF PRIMARY LEAVES OF DWARF FRENCH BEAN (PHASEOLUS VULGARIS L.).

A W Wheeler
Ann Appl Biol 63(1):127-133 REF
Feb 1969 442.8 AN72

Betaine, Chloroethyltrimethylammonium chloride, (2-, Glycine, Kidney beans, Leaves, Plant biochemistry, Plant physiology.

7318-69

INFLUENCE OF INBREEDING CARRIED OUT DURING MANY YEARS ON HEMP GROWTH AND DEVELOPMENT. (POL)

I Wichert-Kobus
Inst Uprawy Nawozenia Gleboznawstwa Pam Pulawski 28:85-98
1967 64.9 IN7

Hemp, Heterosis, Plant breeding, Plant physiology, Pollination. English and Russian summaries.

7319-69

TRIALS OF OBTAINING ARTIFICIAL TOBACCO POLIPLIDS. (POL)

I Wichert-Kobus
Inst Uprawy Nawozenia Gleboznawstwa Pam Pulawski 28:79-84
1967 64.9 IN7

Colchicine, Gibberellins, Plant breeding, Plant cytology, Plant physiology, Polyploidy, Tobacco. English and Russian summaries.

7320-69

TESTING OF FUNGICIDES AS TO THEIR EFFECTIVENESS AGAINST BOTRYTIS CINEREA WITH THE AID OF A GRAPE JUICE TEST. (GE)

A F Wilhelm
Weinberg Keller 14(9):421
Sep 1967 95.8 W435

Botrytis cinerea, Fungicides, Fungus diseases (plants), Grapes, Methodology, Testing.

7321-69

DISTRIBUTION OF LABELLED PLANT GROWTH REGULATORS WITHIN CELLS.

J A Zwar R Brown
Nature 220(5166):500-501
02 Nov 1968 472 N21

Artichokes, Cells, Chromatography, Kinetin, Plant physiology, Plant regulators, Radioactive tracers.

7322-69

THE INFLUENCE OF CCC ON DISEASE CONTRACTION OF GRAIN. (GE)

B Zwatz
Pflanzenarzt 20(6):65-68
01 Jun 1967 464.9 P482

Black rust, Brown rust, Cercospora herpotrichoides, Chloroethyltrimethylammonium chloride, (2-, Fertilizers, Fungus diseases (plants), Grain, Mildew, Plant disease resistance, Septoria, Stem rust, Storage diseases, Wheat.

CHEMISTRY

7323-69

DDT - TYPE COMPOUNDS: SEPARATION AND IDENTIFICATION BY A SYSTEM COMBINING THIN LAYER CHROMATOGRAPHY, GAS CHROMATOGRAPHY, AND INFRARED SPECTROSCOPY.

M B Abou-Donia D B Menzel
Ass Offic Anal Chem J 51(6):1247-1260 REF
Nov 1968 381 AS7

Chlorinated hydrocarbons, Chromatography, DDT, Insecticides, Pesticide residues, Spectroscopy.

7324-69

THIN-LAYER CHROMATOGRAPHIC-ENZYMATIC IDENTIFICATION OF ORGANOPHOSPHORUS INSECTICIDES. ACTUATION OF WEAK ESTERASE INHIBITORS. (GE)

H Ackermann
J Chromatography 36(3):309-317 REF
27 Aug 1968 475 J824

Biochemistry, Chromatography, Dimethoate, Enzymes, Esterases, Insecticides, Organophosphorus compounds, Trichlorfon. English abstract

7325-69

SEPARATION AND QUANTITATIVE ANALYSIS OF THE ACTIVE INGREDIENT DIMETHOATE AND OF ITS CHANGED COMPONENTS CONTAINED IN EMULSIONS AND WETTABLE POWDERS. (FR)

N C Adam G S Spyropoulos
Inst Phytopathol Benaki Ann 7(4):208-218
1966 464.9 AT4

Chemical analysis, Dimethoate, Dosage, Emulsions, Insecticides, Methodology, Quantitative analysis.

7326-69

ORGANOPHOSPHORUS PESTICIDES. A GAS CHROMATOGRAPHIC SCREENING TECHNIQUE BASED ON THE DETECTION OF METHYLATED HYDROLYSIS PRODUCTS.

J Askew J H Ruzicka B B Whials
J Chromatography 41(2):180-187 REF
06 May 1969 475 J824

Biochemistry, Chemical analysis, Chromatography, Methodology, Organophosphorus compounds, Pesticide analysis.

7327-69

SYNTHESIS OF COMPOUNDS RELATED TO GIBBERELIC ACID. III. ANALOGS OF RING A OF THE GIBBERELLINS.

M D Bachi J W Epstein Y Herzberg-Minzly H J E Loewenthal
J Org Chem 34(1):126-135
Jan 1969 381 J827

Chemical reactions, Gibberellic acid, Gibberellins, Plant regulators, Synthesis.

7328-69

METHOD FOR CONTROLLING THE GROWTH OF POTATO PLANT ORGANISMS. PATENT 3,443,928.

G S Batchelor
Us Patent Office Offic Gaz 862(2):517
13 May 1969 156.65 OF2
Plant growth inhibitors, Plant physiology, Potatoes.

7329-69

FUNGICIDAL COMPOSITIONS AND METHODS USING MESOMERIC PHOSPHONIUM COMPOUNDS. PATENT 3,445,570.

G H Birum C N Mathews
Us Patent Office Offic Gaz 862(3):889
20 May 1969 156.65 OF2

Fungicides, Organophosphorus compounds, Patents.

7330-69

CHEMICAL CONSTITUTION AND ACTIVITY OF BIPYRIDYLUM HERBICIDES. III. PYRAZINO(1,2,3,4-LMN)1,10-PHENANTHROLINIUM DIBROMIDE.

A L Black
Tetrahedron 24(21):6453-6457 REF
Nov 1968 382 T29

Bipyridylum compounds, Diquat, Herbicides, Synthesis.

7331-69

COMPLEX ADDITION PRODUCTS OF PHOSPHORUS PENTAFLUORIDE AND SUBSTITUTED NITRILES. PATENT 3,438,983.

M E Brokke G E Lukes J Hazzard D R Arncklev
Us Patent Office Offic Gaz 861(3):916-917
15 Apr 1969 156.65 OF2

Herbicides, Nitriles, Patents, Pentafluoride, Phosphorus compounds.

7332-69

ALPHA-(4-CHLORO-2-METHYLPHENOXY) PROPIONALIDES. PATENT 3,439,018.

R F Brookes D H Godson E L Leaf
Us Patent Office Offic Gaz 861(3):922
15 Apr 1969 156.65 OF2

Chloro-2-methylphenoxypropionanilides, alpha-(4-, Herbicides, Patents.

7333-69

TRI-(C8-C10 ALKYL) M- AND P-NITROBENZYL QUATERNARY AMMONIUM HALIDES. PATENT 3,446,844.

L E Carosino
Us Patent Office Offic Gaz 862(4):1237
27 May 1969 156.65 OF2

Ammonium compounds, Fungicides, Halides, Mildew, Patents.

7334-69

BROMINATION PROCESS. PATENT 3,450,757.

C A Carroll J J Vaka
Us Patent Office Offic Gaz 863(3):893
17 Jun 1969 156.65 OF2

Bactericides, Bromine compounds, Patents, Salicylanilides.

7335-69

CAROTENOID COMPOUNDS. PATENT 3,446,801.

A J Chechak C D Robeson
Us Patent Office Offic Gaz 862(4):1231
27 May 1969 156.65 OF2

Carotenoids, Food additives, Patents, Poultry.

7336-69
ZIRCONIUM COMPOUNDS AS ALGAECIDES. PATENT 3,446,656.

C J Conner
Us Patent Office Offic Gaz 862(4):1204
27 May 1969 156.65 OF2

Algicides, Cotton, Patents, Textiles, Zirconium compounds.

7337-69
(-)-PIMARADIENE: A NEW PRECURSOR OF THE GIBBERELLINS.

B E Cross J C Stewart
Tetrahedron Lett (50):5195-5196
Oct 1968 385 T29

Fermentation, Gibberella fujikuroi, Gibberellins, Pimaradiene, Spectrochemistry, Synthesis.

7338-69
BIOSYNTHESIS OF GIBBERELIC ACID. A CORRECTION.

B E Cross J C Stewart
Tetrahedron Lett (60):6321-6322
Dec 1968 385 T29

Degradation, Fermentation, Gibberella fujikuroi, Gibberelic acid, Pimaradiene, Synthesis.

7339-69
THE PERMEABILITY OF PROTECTIVE CLOTHING AND PACKING MATERIALS IN REGARD TO INSECTICIDAL PHOSPHORIC ACID DERIVATIVES. (GE)

W Dedeck K Lohs
Chem Tech 20(7):432-433
Jul 1968 384 C4283

Dichlorvos, Dimethoate, Insecticides, Methyl parathion, Packing materials, Permeability, Phosphoric acid, Protective clothing, Testing. 29 different materials are tested.

7340-69
USE OF AN ELECTRON CAPTURE DETECTOR IN GAS CHROMATOGRAPHY. III. AN EXAMPLE OF ITS APPLICATION. A STUDY OF THE RESPONSE OF SOME CHLORINATED AND PHOSPHORATED PESTICIDES. (FR)

P Devaux G Guiochon
Soc Chim France Bull (4):1627-1633 REF
Apr 1968 383 P21B

Chlorinated hydrocarbons, Chromatography, Electron capture, Isotopes, Nickel, Organophosphorus compounds, Pesticides. English summary.

7341-69
DEGRADATION OF THE INSECTICIDE GS 13005 IN THE RAT. ELUCIDATION OF THE STRUCTURE OF THE MOST IMPORTANT METABOLITES. (GE)

H O Esser W Mucke K O Alt
Helv Chim Acta 51(3):513-517
20 Apr 1968 385 H36

Degradation, Dimethyl-S-(2-methoxy-1,3,4-thiadiazol-5 (4H)-onyl-(4)-i, Metabolites, Organophosphorus compounds, Spectrochemistry. English summary.

7342-69
GAS CHROMATOGRAPHIC ANALYSIS OF DALAPON IN WATER.

P A Frank R J Demint
Environ Sci Technol 3(1):69-71
Jan 1969 TD420.A1E5

Chemical analysis, Chlorinated hydrocarbons, Chromatography, Dalapon, Water.

7343-69
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J B Honeycutt
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Acaricides, Chloro-o-tolyl-N,N-dimethylformamide, N²-(4-, Chromatography, Decomposition, Light, Silica gels, Spectrochemistry.

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Bactericides, Bromine compounds, Patents, Salicylanilides.

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A F Marks A Wolfgang
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