

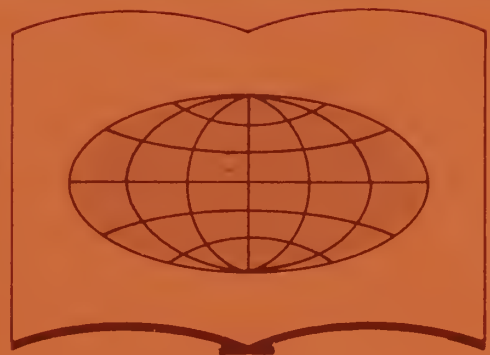
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Pesticides DOCUMENTATION BULLETIN

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Volume 4
October 25, 1968

Number 22



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PESTICIDES DOCUMENTATION BULLETIN

Volume 4
October 25, 1968
Number 22

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).

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

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

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

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20151-68
CECIDIOLOGICAL WRITINGS OF A
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(IT)

M Di Stefano
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Dec 1967 421 M33

Cecidomyiidae, Diptera, Entomology, Reports.

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TEXAS.

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Entomology, Reports, Societies.

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CIS CASTANEUS MELL. (COL., CHIDAE)—A
CORRECTION.

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Oct 1966 421 EN86

Cis castaneus, Coleoptera, Nomenclature. The
synonymy should read 'fusciclavus Nyholm 1933'
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SPECIAL EQUIPMENT DEVELOPED FOR THE
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E E Lynch
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Jun 1968 SB599.A6
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Photoperiodism, Pupae, Research, Sampling
(statistics), Temperature.

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L G Merrill
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Agricultural outlook, Biology, Culicidae, Environ-
ment, Insect control, Research.

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(FR)

J Mouchet
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N Munch
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D M Rees
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my, Tipulidae. New species are: *Lechria coergen-
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E J Armbrust G G Gyrisco
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P Basilewsky
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R Damoiseau
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K R Depner
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Environment, Haematobia irritans, Hymenoptera, Parasitism, Research, Taxonomy.
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H R Dodge
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R M Emberson
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M Fischer
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H Freude
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G Frey
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G Frey
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U Gerson
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Ch Granger
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D. Guiglia
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Insect taxonomy, Scoliididae.

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A B Gurney H F Strohecker
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B Gurney N W Hussey
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P D Hurd
Entomol Medd 35(1):3-10 REF
25 May 1967 421 EN82
Insect identification, Megachilidae, Zoogeography.
- 20208-68**
ON THE COLLECTION OF CRYPTOCEPHALUS BIGUTTATUS SCOP. (COL., CHRYSOMELIDAE). (DA)
O Jensen
Entomol Medd 35(1):26
25 May 1967 421 EN82
Chrysomelidae, Insect taxonomy, Zoogeography. English abstract
- 20209-68**
ON THE SYSTEMATIC ORIENTATION OF LYSANDRA CORIDON F. POLONUS (LEP., LYCAENIDAE). (GE)
R Jicha
Entomol Z 78(21):242-244
01 Nov 1968 421 EN85
Butterflies, Insect taxonomy, Lepidoptera, Lycaenidae.
- 20210-68**
A NOTE ON QUEDIUS BOOPOIDES MUNSTER AND Q. UMBRINUS AUCTT. BRIT. (COL., STAPHYLINIDAE).
C Johnson
Entomol Mon Mag 102(1229-1231):283-284
Oct 1966 421 EN86
Insect dissemination, Quediidae, Zoogeography.
- 20211-68**
ON THE SYSTEMATIC POSITION OF THE GENERA MICRODONATIA BLACKBURN (COL., CHRYSOMELIDAE). (FR)
P Jolivet
Munich Mus G Frey Entomol Arb 19:188-192 REF
01 Jun 1968 420 M923
Catalogs, Chrysomelidae, Coleoptera, Insect taxonomy. English abstract
- 20212-68**
THE COMPLEX OF TIMARCHA SCABRIPENNIS FAIRMAIRE FROM MAROCCO (COL., CHRYSOMELIDAE). (FR)
P Jolivet
Munich Mus G Frey Entomol Arb 19:229-236 MAP, REF
01 Jun 1968 420 M923
Catalogs, Chrysomelidae, Coleoptera, Insect identification, Insect taxonomy, Zoogeography. English abstract
- 20213-68**
CONTRIBUTION TO THE KNOWLEDGE OF THE GENUS SYACHIS F. BATES (COLEOPTERA, TENEBRIONIDAE). (GE)
Z Kazab
Munich Mus G Frey Entomol Arb 19:296-299
01 Jun 1968 420 M923
Catalogs, Coleoptera, Insect identification, Insect taxonomy, Tenebrionidae.
- 20214-68**
NOTES ON THE TAXONOMY OF CULICOIDES FROM LOUISIANA (DIPTERA: CERATOPOGONIDAE).
Khalaf
Kans Entomol Soc J 39(2):227-230
Apr 1966 420 K13
Culicoides, Insect identification, Insect taxonomy, Research.
- 20215-68**
MAIN RESULTS AND DIRECTIONS OF PROTOZOOLOGICAL STUDIES IN THE USSR. (rus)
E M Kheissin
Zool Zhnr 46(11):1603-1629 REF
Nov 1967 410 R92
Animal diseases, Parasitism, Protozoa, Taxonomy. English summary
Abstract
- 20216-68**
A REVISION OF THE SPECIES OF CISTHENE KNOWN TO OCCUR NORTH OF THE MEXICAN BORDER (LEPIDOPTERA: ARCTIIDAE: LITHOSIINAE).
C B Knowlton
Amer Entomol Soc Trans 93(1):41-100 REF
Mar 1967 420 P53
Lepidoptera, Taxonomy, Zoogeography.
- 20217-68**
A LIST OF EPHEMEROPTERA IN THE ENTOMOLOGY MUSEUM AT MICHIGAN STATE UNIVERSITY.
R W Koss
Eatonia 9:2-6
06 Dec 1968 432 EA82
Catalogs, Ephemeroptera.
- 20218-68**
STUDIES OF THE MEXICAN DELTOCEPHALINAE: ALIGIA AND SOME NEW APPLIED GENERA AND SPECIES (HOMOPTERA: CICADELLIDAE).
J P Kramer D M DeLong
Ohio J Sci 68(3):169-175
May 1968 410 OH3
Cicadellidae, Homoptera, Research, Taxonomy.
- 20219-68**
A NEW GENUS AND SPECIES OF PSENINI FROM THE SOUTHWESTERN DESERTS (HYMENOPTERA, SPHECIDAE).
K U Krombein
Brooklyn Entomol Soc Bull 54(1):18-21
Feb 1959 420 B79
Insect anatomy, Insect genetics, Insect taxonomy, Psenini.
- 20220-68**
BIOLOGICAL NOTES ON SEVERAL SOUTHWESTERN GROUND-NESTING WASPS (HYMENOPTERA, SPHECIDAE).
K U Krombein
Brooklyn Entomol Soc Bull 55(3):75-79
Jun 1960 420 B79
Hymenoptera, Insect genetics, Insect taxonomy, Sphecidae.
- 20221-68**
HOST RECORDS FOR SOME NORTH AMERICAN POMPILIDAE (HYMENOPTERA) WITH A DISCUSSION OF FACTORS IN PREY SELECTION.
F E Kurczewski E J Kurczewski
Kans Entomol Soc J 41(1):1-33 REF
Jan 1968 420 K13
Geography, Morphology, Pompilidae, Prioenemis, Research.
- 20222-68**
THE NOCTURNAL INSECT CATCHES AT PREDETERMINED TIME INTERVAL IN THE ORGANIC SOIL DISTRICT OF STE. CLOTILDE, SOUTHWESTERN QUEBEC.
J LaFrance
Entomol Soc Quebec Ann 13(1):32-53
Jan 1968 420 EN822
Coleoptera, Insect dissemination, Lepidoptera, Light traps, Research, Social insects, Soil organic matter, Temperature. French summary
- 20223-68**
BUTTERFLIES; COLLECTING AND PREPARATION. ED 2. QL465.L32. (da)
T W Langer
86P
1968
Butterflies, Insect collecting equipment.
- 20224-68**
SCORPIONS OF MOROCCO. (FR)
Y Le Corroller
Inst Pasteur Algerie Arch 45:62-71 REF
1967 448.3 IN7A
Insect taxonomy, Scorpionida, Zoogeography.
The zoogeography of the scorpion fauna in Morocco is listed, with five species specific to the area.
- 20225-68**
A NEW SCHIZAPHIS OF SOUTHERN FRANCE (HOM. APHIDIDAE). (FR)
L Leclant
Soc Entomol France Ann 03(2):451-457
1967 420 F84
Aphididae, Insect taxonomy. English abstract
- 20226-68**
MIGRATING LEPIDOPTERA IN THE NETHERLANDS IN 1966. (DU)
B J Lempeke
Entomol Ber 27(12):226-240
01 Dec 1967 420 N38B
Insect migration, Lepidoptera, Netherlands. English abstract
This is a report on migrating Lepidoptera in the Netherlands in 1966. The monthly recordings of 25 species are discussed.
- 20227-68**
THE APHIDS THAT FEED ON CACTI.
M D Leonard
Brooklyn Entomol Soc Bull 55(3):64-66
Jun 1960 420 B79
Aphididae, Habitats, Insect identification, Mammillaria, Melocactus.
- 20228-68**
NEW GENERA AND SPECIES OF STAPHYLINIDAE IN AFRICA. (FR)
L Levasseur
*Inst Fondamental Afr Noire Bull Ser A Sci Natur (SER A):*29(3):954-977
Jul 1967 515 D14
Catalogs, Insect taxonomy, Staphylinidae.
- 20229-68**
A NEW SPECIES OF STAPHYLININAE IN THE IVORY COAST, SUDAN AND KATANGA. (FR)
L Levasseur

Inst Fondamental Afr Noire Bull Ser A Sci Natur (SER A)29(4):1624-1644
Oct 1967 515 D14
Insect taxonomy, Staphylinidae, Zoogeography.

20230-68

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

L A Lewis L W Teller
N J Mosquito Extern Ass Proc 54:163-170
Mar 1967 420 N46

Culicidae, Fluorescent lamps, Light traps, Research.

20231-68

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

V N Logvinenko
Zool Zhur 46(11):1720-1721
Nov 1967 410 R92

Cicadellidae, Insect taxonomy.

Abstract

20232-68

CHIGGER MITES ON SMALL MAMMALS OF SPAIN. (PSORERGATIDAE: TROMBIDIFORMES). (GE)

F S Lukoschus
Rev Iberica Parasitol 27(3-4):203-224 REF
Jul 1967 436.8 R32

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

Abstract

20233-68

FIVE WEEVILS NEW TO SWEDEN (COL. CURCULIONIDAE). (SW)

S Lundberg F Olsson
Entomol Tidskr 89(1-2):74-76
10 Aug 1968 421 EN891

Curculionidae, Insect taxonomy, Zoogeography. English abstract

20234-68

REVISION OF THE GENUS THEONE GISTL (COLEOPTERA, CHRYSOMELIDAE, GALERICINAE). (GE)

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

Catalogs, Chrysomelidae, Coleoptera, Insect identification. German abstract

20235-68

SYSTEMATIC NOMENCLATURE OF THE HITHERTO PRIVATE PUBLICATION OF MACROLEPIDOPTERA OF THE SAARLANDS. (GE)

H Martin W Schmidt-Kochl
Entomol Z 78(8):81-92
15 Apr 1968 421 EN85

Insect taxonomy, Lepidoptera.

20236-68

NEW CANADIAN CRYPTINAE (ICHNEUMONIDAE: HYMENOPTERA).

W R M Mason
Can Entomol 100(1):17-23
Jan 1968 421 C16

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

20237-68

PRESENCE IN GAUDELOUPE OF THE ORNITHODOROS ALECTOROBIVUS PUERTORICENSIS (FOX, 1947) (ACARINA: IXODOIDEA). (FR)

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

Argasidae, Ornithodoros, Parasitic insects, Rodents, Zoogeography.

20238-68

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

M H Muma H A Denmark
Fla Entomol 51(4):229-240 REF
Dec 1968 420 F662

Catalogs, Mesostigmata, Phytoseiidae, Taxonomy. English abstract

20239-68

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

R E Munson W R Enns
Kans Entomol Soc J 41(2):266-270 MAP
Apr 1968 420 K13

Coleoptera, Curculionidae, Hypera, Insect dissemination.

20240-68

ENTOMOCAENOLOGICAL AND BIOLOGICAL STUDIES IN ROSA DAMASCENA MILL. PLANTATIONS. I. LEPIDOPTERA.

V Nikolova
Bulgarska Akad Nauk Zool Inst Muz Izv 25:127-128
1967 410.9 B8721

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

20241-68

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

M Nunberg
Munich Mus G Frey Entomol Arb 19:272-279
01 Jun 1968 420 M923

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

20242-68

NOTES ON THE GENUS HOMONOPSIS V. KUZNETSOV (LEPIDOPTERA, TORTRICIDAE).

N S Obratsov
Entomol Ber 27(9):173-175
01 Sep 1967 420 N38B

Insect taxonomy, Lepidoptera, Tortricidae.

20243-68

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

T R Odhiambo
Inst Fondamental Afr Noire Bull Ser A Sci Natur (SER A)29(4):1655-1687
Oct 1967 515 D14

Insect taxonomy, Miridae, Zoogeography.

20244-68

ON NEW COLLEMBOLA SPECIES FROM YUGOSLAVIA. (GE)

A Palissa
Deut Entomol Z 15(4-5):389-398
01 Oct 1968 421 D48

Collembola, Insect taxonomy.

20245-68

KNOWN AND UNKNOWN SCARABAEIDAE (HYBOSORINAE, TROGINAE, ORPHNINAE, DYNAMOPINAE, GEOTRUPINAE, AEGIALIINAE). (GE)

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

Catalogs, Coleoptera, Insect identification, Scarabaeidae, Zoogeography.

20246-68

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

R Petrovitz
Munich Mus G Frey Entomol Arb 19:257-271

01 Jun 1968 420 M923

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

20247-68

INFORMATION ON GERMAN FLEAS, I. ON THE TAXONOMY OF THE BIRD FLEAS (INSECTA, SIPHONAPTERA). (GE)

F Peus
Deut Entomol Z 14(1-2):81-108 REF
01 Jun 1967 421 D48

Birds, Insect taxonomy, Siphonaptera, Zoogeography. German abstract

20248-68

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

A C Pont
Entomol Ber 28(9):166-174
01 Sep 1968 420 N38B

Catalogs, Diptera, Insect taxonomy, Muscidae. English abstract

20249-68

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

D R Ragge
Inst Fondamental Afr Noire Bull Ser A Sci Natur (SER A)29(3):1270-1277
Jul 1967 515 D14

Catalogs, Insect taxonomy, Tettigoniidae.

20250-68

THE GENUS DERMACENTOR (IXODIDAE) IN NEBRASKA.

W F Rapp
Entomol News (philadelphia) 71(8):217-219 MAP
Oct 1960 421 EN88

Dermacentor, Entomology, Insect taxonomy, Zoogeography.

20251-68

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

O Rebmann
Deut Entomol Z 15(1-3):21-48
15 Jul 1968 421 D48

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

20252-68

STUDY OF THROMBIDIIDAE LARVAE. I. THE LARVA OF THROMBIDIUM MEDITERRANEUM BERLESE, 1910. (FR)

P Robaux
Acarologia 9(2):395-410 REF
Jul 1967 434.8 AC1

Insect biology, Insect taxonomy, Larvae, Trombididae.

20253-68

PHYCITINEN-STUDY IV. (I.E.P., PYRALIDAE). (GE)

U Roesler
Entomol Z 78(20):225-239
15 Oct 1968 421 EN85

Insect taxonomy, Pyralidae.

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

20254-68

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

R Roy
Inst Fondamental Afr Noire Bull Ser A Sci Natur (SER A)29(4):1538-1567 REF
Oct 1967 515 D14

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

- 20255-68**
A NEW SPECIES OF GLAUCIAS KIRKALDY FROM NEW GUINEA HETEROPTERA: PENTATOMIDAE).
 H Ruckes
Brooklyn Entomol Soc Bull 54(4):101-103
 Oct 1959 420 B79
 Heteroptera, Insect anatomy, Insect taxonomy, Pentatomidae.
- 20256-68**
CONTRIBUTION TO THE FAUNAL LIST OF THE CONGO (BRAZZAVILLE). MISSION A. VILLIERS AND A. DESCARPENTRIES. LX COLEOPTERA SCARABAEIDAE (CETONIINAE, TRICHIINAE AND VALGINAE). (FR)
 G Ruter
Inst Fondamental Afr Noire Bull Ser A Sci Natur (SER A)29(3):1299-1310
 Jul 1967 515 D14
 Catalogs, Insect taxonomy, Scarabaeidae.
- 20257-68**
NEW SPECIES OF BANASA FROM THE CARIBBEAN AREA AND COMMENTS ON THE STATUS OF SCHRADERI SAILER (HEMIPTERA: PENTATOMIDAE).
 R I Sailer
Brooklyn Entomol Soc Bull 54(3):87-94
 Jun 1959 420 B79
 Hemiptera, Insect anatomy, Insect taxonomy, Pentatomidae.
- 20258-68**
THE SYSTEMATICAL PLACEMENT OF SOME GELECHIIDAE. (LEPIDOPTERA). (GE)
 K Sattler
Deut Entomol Z 15(1-3):111-131 REF
 15 Jul 1968 421 D48
 Gelechiidae, Insect taxonomy, Lepidoptera, Moths, Zoogeography.
- 20259-68**
STUDIES ON THE MACROLEPIDOPTERA FAUNA OF THE SAARLANDS. (GE)
 W Schmidt-Koehl
Entomol Z 78(6):57-71 REF
 15 Mar 1968 421 EN85
 Insect taxonomy, Macrolepidoptera.
- 20260-68**
ON THE ORTHOCLADIINAE GENUS HELENIELLA GOWIN (DIPTERA, CHIRONOMIDAE). (FR)
 B Serra-Tosio
Deut Entomol Z 14(1-2):153-162
 01 Jun 1967 421 D48
 Chironomidae, Diptera, Insect taxonomy. French abstract
- 20261-68**
BIOLOGY OF MELANOZETES MOLLICOMUS (KOCH) (ORIBATEI, CERATOZETIDAE). (RUS)
 E S Shaldybina
Zool Zhur 46(11):1659-1667 REF
 Nov 1967 410 R92
 Ceratozetidae, Insect morphology, Mclanozetes, Metamorphosis, Oribatei. English summary
 Abstract
- 20262-68**
THE CULEX PIPIENS FATIGANS PROBLEM IN SOUTH-EAST ASIA. WITH SPECIAL REFERENCE TO URBANIZATION.
 D Singh
World Health Organ Bull 37(2):239-243 REF
 1967 449.9 W892B
 Breeding, Culex pipiens quinquefasciatus, Demography, Filariasis, Human diseases, Insect physiology, Population statistics, Sanitation, Urbanization. Summary in French
- 20263-68**
A NEW TENEBRIONID GENUS AND SPECIE FROM CENTRAL ASIA (COLEOPTERA-TENEBRIONIDAE-PIMELIINI). (GE)
 N G Skopin
Munich Mus G Frey Entomol Arb 19:300-304
 01 Jun 1968 420 M923
 Catalogs, Coleoptera, Insect identification, Insect taxonomy, Tenebrionidae.
- 20264-68**
CONTRIBUTION TO THE STUDY OF LYCAENIDAE OF TROPICAL AND EQUATORIAL AFRICA. (FR)
 H Stempffer
Inst Fondamental Afr Noire Bull Ser A Sci Natur (SER A)29(3):978-1000
 Jul 1967 515 D14
 Catalogs, Insect taxonomy, Lycaenidae.
- 20265-68**
A REPORT ON THE BLACKFLIES (SIMULIIDAE) OF DELAWARE. II. DESCRIPTION AND DISCUSSION OF BLACKFLY HABITATS.
 D W S Sutherland R F Darsie
Brooklyn Entomol Soc Bull 55(3):53-61 REF MAP
 Jun 1960 420 B79
 Habitats, Insect collecting equipment, Insect taxonomy, Research, Simuliidae.
- 20266-68**
THE MALE GENITALIA OF DROSOPHILA POPULI WHEELER AND THROCKMORTON (DIPTERA; DROSOPHILIDAE).
 H Takada
Brooklyn Entomol Soc Bull 55(5):144-
 Dec 1960 420 B79
 Diptera, Drosophilidae, Insect anatomy, Insect genetics, Reproductive organs.
- 20267-68**
THE TACHINIDS OF TRINIDAD. VIII. PHOROCERINES.
 W R Thompson
Entomol Soc Can Mem 56:207P. REF
 1968 420 EN824
 Entomology, Tachinidae, Taxonomy, Zoogeography. Memoirs of Entomological Society of Canada
- 20268-68**
THE GENUS MUCROBEROETHA TJED. AND ITS SYSTEMATIC POSITION (NEUROPTERA).
 B Tjeder
89(1-2):3-18 MAP
 10 Aug 1968
 Catalogs, Insect taxonomy, Neuroptera, Zoogeography. English abstract
- 20269-68**
THREE SPECIES OF PROCTOLAELAPS (ACARINA, MESOSTIGMATA) FROM NOCTUID MOTHS.
 A E Treat L Niederman
Amer Mus Novitates 00(2312):1-12 REF
 30 Nov 1967 500 N4830N
 Lepidoptera, Mites, Noctuidae, Proctolaelaps, Taxonomy.
- 20270-68**
HISPINAE FROM THE G FREY MUSEUM. PART 5. 231. CONTRIBUTION TO THE KNOWLEDGE OF THE HISPINAE (COLEOPT. CHRYSOMELIDAE). (GE)
 E Uhmann
Munich Mus G Frey Entomol Arb 19:248-253
 01 Jun 1968 420 M923
 Catalogs, Chrysomelidae, Coleoptera, Insect identification, Insect taxonomy.
- 20271-68**
THE HEMIPTERA CIMICIDAE NEW TO CENTRAL AFRICA. (FR)
 R L Usinger J Carayon
Inst Fondamental Afr Noire Bull Ser A Sci Natur (SER.A)29(4)YHFWW—E&XH
 Oct 1967 515 D14
 Cimicidae, Insect taxonomy.
- 20272-68**
THE LARGE SCORPION OF SENEGAL: PANDINUS GAMBIENSIS, POCOCK 1899 SHOULD BE CONSIDERED AS A TRUE SPECIES AND NOT A SUB-SPECIES OF PANDINUS IMPERATOR C. L. KOCH 1842. (FR)
 M Vachon
Inst Fondamental Afr Noire Bull Ser A Sci Natur (SER A)29(4):1534-1537
 Oct 1967 515 D14
 Insect taxonomy, Scorpionida.
- 20273-68**
CONTRIBUTION TO THE STUDY OF DIPTEROUS MALACOPHAGES VI. PHERBELLIA FUSCIPES (MACQUART, 1835), A VALID PALEARCTIC SPECIES, SIMILAR TO P. DORSATA (ZETTERSTEDT, 1846) (DIPTERA SCIO-MYZIDAE). (FR)
 J Verbeke
Inst Roy Sci Natur Belgique Bull 43(40):1-9
 31 Dec 1967 504 B8350B
 Diptera, Insect identification, Palearctic Region, Sciomyzidae, Zoogeography. French abstract
- 20274-68**
CONTRIBUTION TO THE STUDY OF DIPTERA MALACOPHAGE. IV. IDENTIFICATION OF PHERBELLIA OBTUSA (FALLEN) (1820) AND THE DESCRIPTION OF A NEW PALEARCTIC SPECIES PHERBELLIA ARGYRA SP. N. (DIPTERA, SCIO-MYZIDAE).
 J Verbeke
Inst Roy Sci Natur Belgique Bull 43(6):1-9 MAP
 10 Apr 1967 504 B8350B
 Diptera, Insect biology, Insect taxonomy, Larvae, Parasitism, Pherbellia argyra, Pherbellia obtusa, Sciomyzidae, Zoogeography. French summary
- 20275-68**
NEOSCHOENGASTIA BREVIPALPIS ANDRE 1946 IS A TRUE CHELADONTA (ACARINA, TROMBICULIDAE).
 P H Vercammen-Grandjean M Andre
Acarologia 9(2):411-414 REF
 Jul 1967 434.8 AC1
 Insect taxonomy, Trombiculidae. English abstract
- 20276-68**
ON THE COMPOSITION OF SOME TRIBES OF THE SUBFAMILY PIMPLINAE (HYMENOPTERA, ICHNEUMONIDAE). (RUS)
 G A Viktorov
Zool Zhur 46(11):1676-1683 REF
 Nov 1967 410 R92
 Ichneumonidae, Insect taxonomy, Larvae. English summary
 Abstract
- 20277-68**
CONTRIBUTION TO THE FAUNA OF THE CONGO (BRAZZAVILLE). MISSION A. VILLIERS AND A. DESCARPENTRIES LXVII. HEMIPTERA PENTATOMIDAE. (FR)
 A Villiers
Inst Fondamental Afr Noire Bull Ser A Sci Natur (SER A)29(4):1784-1811
 Oct 1967 515 D14
 Catalogs, Insect taxonomy, Pentatomidae, Zoogeography.
- 20278-68**
CONTRIBUTION TO THE FAUNAL LIST OF THE CONGO (BRAZZAVILLE). MISSION A. VILLIERS AND A. DESCARPENTRIES. LVIII. COLEOPTERA PASSALIDAE. (FR)
 M A Vulcano P F S Pereira
Inst Fondamental Afr Noire Bull Ser A Sci Natur (SER A)29(3):1287-1290
 Jul 1967 515 D14
 Catalogs, Insect taxonomy, Passalidae.
- 20279-68**
A NEW SUBGENUS AND TWO NEW SPECIES OF PSEUDIASTATA COQUILLET (DIPTERA, DROSOPHILIDAE).

M R Wheeler

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

Jun 1960 420 B79

Diptera, Drosophilidae, Insect anatomy, Insect taxonomy.

20280-68

NOTES ON ALASKAN DROSOPHILIDAE (DIPTERA), WITH THE DESCRIPTION OF A NEW SPECIES.

M R Wheeler L H Throckmorton

Brooklyn Entomol Soc Bull 55(5):134-143 MAP

Dec 1960 420 B79

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

20281-68

THE TRICORYNUS OF MEXICO (COLEOPTERA: ANOBIIDAE).

R E White

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

Mar 1967 420 P53

Anobiidae, Coleoptera, Indexing, Taxonomy.

20282-68

FIG WASPS FROM ISRAELI FICUS SYCOMORUS AND RELATED EAST AFRICAN SPECIES (HYMENOPTERA, CHALCIDOIDEA). 2. AGAONIDAE (CONCLUDED) AND SYCOPHAGINI.

J T Wiebes

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

25 Sep 1968 410.9 L59

Chalcididae, Hymenoptera, Insect taxonomy.

20283-68

A REVISION OF THE NEOTROPICAL BITING MIDGES OF THE HYLAS GROUP OF CULICOIDES (DIPTERA, CERATOPOGONIDAE).

W W Wirth F S Blanton

Fla Entomol 51(4):201-215 REF

Dec 1968 420 F662

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

20284-68

THE GENUS PELLUCIDOMYIA MACFIE (DIPTERA, CERATOPOGONIDAE).

W W Wirth

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

Feb 1960 420 B79

Ceratopogonidae, Diptera, Insect anatomy, Insect taxonomy.

20285-68

PACHYHELEA, A NEW GENUS OF AMERICAN CERATOPOGONIDAE RELATED TO PALPOMYIA (DIPTERA).

W W Wirth

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

Apr 1959 420 B79

Ceratopogonidae, Insect anatomy, Insect taxonomy.

20286-68

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

W W Wirth D J Lec

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

Oct 1959 420 B79

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

20287-68

A NEW SPECIES OF OSBORNIELLA (MALLOPHAGA: MENOPONIDAE) FROM TRINIDAD.

J S Wiseman

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

Apr 1966 420 K13

Insect identification, Insect taxonomy, Osborniella, Research.

20288-68

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

N L Wolff

Entomol Medd 35(1):23-25

25 May 1967 421 EN82

Insect taxonomy, Olethrutidae, Zoogeography. English abstract

20289-68

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

G E Woodroffe

Entomol Mon Mag 102(1229-1231):285-286

Oct 1966 421 EN86

Coleoptera, Heteroptera, Homoptera.

20290-68

EVENING CREPUSCULAR ACTIVITY OF SOME IOWAN MOSQUITOES (DIPTERA: CULICIDAE).

R E Wright K L Knight

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

Jan 1968 420 K13

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

20291-68

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

M Yamada S Ishii Y Kuwahara

Botyu-kagaku 33(2):37-39

May 1968 421 B65

Electrodes, Electrophysiology, Laboratories, Periplaneta americana, Research.

20292-68

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

L Zombori

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

1967 410 AC85

Cephalcia, Hymenoptera, Insect taxonomy, Zoogeography.

PHYSIOLOGY AND BIOCHEMISTRY

20293-68

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

T S Adams A M Hintz J G Pomonis

J Insect Physiol 14(7):983-993 REF

Jul 1968 421 J825

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

20294-68

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

P Alliaud

Lyon Ecole Nat Vet These 2:84P.

18 Jan 1967 41.2 L99

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

20295-68

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

W Altenkirch

Z Angew Zool 55(1):1-69 REF

1968 449.8 Z36

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

20296-68

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

T N Ananthkrishnan A Jagadish

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

01 Oct 1968 421 D48

Catalogs, Insect taxonomy, Thripidae, Thrips.

20297-68

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

F L Andersen N D Levine

J Parasitol 54(1):117-128 REF

Feb 1968 448.8 J824

Larvae, Morphology, Research, Temperature, Trichostrongylus colubriformis.

20298-68

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

R H Anderson

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

Mar 1968 24 SU3

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

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

20299-68

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

J A Asmar N J Dagher H A Azar

J Nutr 95(2):153-159 REF

Jun 1968 389.8 J82

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

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

20300-68

SCOLYTID PHEROMONES-- READY OR NOT.

M D Atkins

Can Entomol 100(10):1115-1117

Oct 1968 421 C16

Biology, Insect behavior, Insect control, Insect identification, Population statistics, Research, Scolytidae.

20301-68

ENVIRONMENTAL FACTORS LIMITING THE PRODUCTIVITY AND SIZE OF EXPERIMENTAL POPULATIONS OF DROSOPHILA SERRATA AND D. BIRCHII.

F J Ayala

Ecology 49(3):562-565 SPRING

1968 410 EC7

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

20302-68

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

C Bader

Rev Suisse Zool 75(3):498-505

Sep 1968 410 R324

Acarina, Demography, Hydrachnellae, Insect ecology.

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

20303-68

THE MULTIPLICATION OF SACBROOD VIRUS IN THE ADULT HONEYBEE.

- L Bailey
Virology 36(2):312-313
Oct 1968 448.8 V81
Apis mellifera, Bee diseases, Electron microscopy, Experimental insects, Fat body, Injections, Sacbrood, Temperature, Viruses.
- 20304-68**
METABOLIC CHANGES IN LIVER ASSOCIATED WITH SPONTANEOUS KETOSIS AND STARVATION IN COWS.
F J Ballard R W Hanson D S Kronfeld F Raggi
J Nutr 95(2):160-172 REF
Jun 1968 389.8 J82
Cattle, Enzymes, Ketosis, Liver, Liver function tests, Metabolism, Starvation.
Abstract: Measurements were made to ascertain the degree of ketosis and to compare changes in lipid synthesis, substrate oxidation, enzyme activities and the level of several metabolic intermediates.
- 20305-68**
BIOLOGY AND ECOLOGY OF THE BLACKBIRD FEATHER LOUSE. (GE)
H Baum
Angew Parasitol 9(3):129-175 MAP REF
Aug 1968 436.8 AN4
Birds, Demography, Feathers, Insect biology, Insect ecology, Mallophaga. English, russian and german abstracts
- 20306-68**
PHYSICORHEMICAL CHARACTERISTICS OF GLYCOGEN FROM ANTHONOMUS GRANDIS BOHEMAN.
N L Betz W C Nettles A F Novak
Compar Biochem Physiol 24(1):163-175
Jan 1968 444.8 C73
Anthonomus grandis, Chromatography, Glycogen, Hydrolysis, Insect physiology, Physical chemistry, Trichloroacetic acid.
Abstract: Glycogen was extracted from the boll weevil, *H. grandis*, with 5 percent trichloroacetic and with cold chloroform-glycine buffer. Glucose was the only sugar detected in acid hydrolyzates.
- 20307-68**
THE BREEDING OF CALLAMBULYX TATARINOVII (LEP., SPHINGIDAE). (GE)
A Bilck
Entomol Z 78(21):241-242
01 Nov 1968 421 EN85
Insect rearing, Lepidoptera, Methodology, Sphingidae.
- 20308-68**
A STUDY OF THE GENUS CHROTOGONUS (ORTHOPTERA). VIII. PATTERNS OF VARIATION IN EXTERNAL MORPHOLOGY.
R E Blackith D K McE Kevan
Evolution 21(1):76-84
30 Mar 1967 443.8 EV62
Insect morphology, Orthoptera, Polymorphism, Statistical analysis. English abstract
- 20309-68**
INFLUENCE OF TEMPERATURE AND MOISTURE ON THE SURVIVAL OF COCOONS, AND ON ADULT EMERGENCE OF BUCCULATRIX CANADENSISSELLA.
J R Blais J G Pilon
Can Entomol 100(7):742-749
Jul 1968 421 C16
Betula, Bucculatrix canadensisella, Humidity, Insect ecology, Insect physiology, Mortality, Temperature, Weather. English and French abstracts.
- 20310-68**
THE HETEROPTERA FAUNA OF KORSHAGE, ZEALAND, IN RELATION TO VEGETATION IN LATE SUMMER.
J Bocher
Entomol Medd 35(1):27-66 MAP, REF
25 May 1967 421 EN82
Catalogs, Demography, Heteroptera, Vegetation. English abstract
- 20311-68**
SEASONAL CYCLES OF COLLECTIVE ACTIVITY OF TERMITES OF THE SAVANNAS OF THE IVORY COAST SHOAL. (FR)
P Bodot
Insectes Sociaux 14(4):359-388
Dec 1967 421 IN79
Harvesting, Insect behavior, Termites, Weather.
- 20312-68**
OBSERVATIONS ON THE SWARMING AND THE FIRST STAGE OF DEVELOPMENT OF THE COLONY OF ALLODONTERMES GIFFARDII SILV. (ISOPTERA, TERMITIDAE). (FR)
P Bodot
Insectes Sociaux 14(4):351-358 REF
Dec 1967 421 IN79
Insect behavior, Research, Social insects, Swarming, Termites.
- 20313-68**
ANTS, APHIDS, AND JACK PINE IN MANITOBA.
G A Bradley J D Hinks
Can Entomol 100(1):40-50
Jan 1968 421 C16
Aphididae, Carbon tetrachloride, Cinara, Defoliation, Dolichoderus taschenbergi, Formica obscuripes, Insect behavior, Insect pests, Insecticides, Malathion, Parasitic insects, Pinus banksiana, Predaceous insects.
- 20314-68**
THE PRESENT STATUS OF CONTROL OF CULEX PIPIENS FATIGANS.
A W A Prown
World Health Organ Bull 37(2):297-299
1967 449.9 W892B
Breeding, Chemical control (insects), Culex pipiens quinquefasciatus, Filariasis, Insect tropism, Insecticide resistant insects, Insecticides, Larvae, Larvicides. Summary in French
- 20315-68**
AN HYPOTHESIS CONCERNING THE FUNCTION OF THE METAPLEURAL GLANDS IN ANTS.
W L Brown
Amer Natur 102(924,MAR-APR):188-191
29 Apr 1968 470 AM36
Demography, Formicidae, Glands (insects), Insect behavior, Secretion.
- 20316-68**
A NEW CONCEPT: TOTAL INSECT POPULATION SUPPRESSION.
Pesticide Progr 5(3):66-67
May 1967 79.8 P434
Biological control (insects), Chemical control (insects), Insect population, Natural control (insects), Radiation, Reproduction, Sterilization. Reprinted from Agric. Res. 14(9):3. 1966.
- 20317-68**
DETERMINATION OF THE PHOTOSENSITIVE PERIOD IN THE AFRICAN MIGRATORY LOCUST, LOCUSTA MIGRATORIA MIGRATORIOIDES (R. ET F.), PHASE GREGARIA. (FR)
P Cassier
Insectes Sociaux 15(1):3-30 REF
Mar 1968 421 IN79
Insect physiology, Locusta migratoria migratorioides, Photoperiodism, Temperature. English summary
- 20318-68**
STUDIES ON PHASE-SHIFTS IN ENDOGENOUS RHYTHMS. I. EFFECTS OF LIGHT PULSES ON THE ECLOSION RHYTHMS IN DROSOPHILA PSEUDOOSCURA.
M K Chandrashekar
Z Vergleichende Physiol 56(2):154-162
1967 444.8 Z3
Diurnal rhythm, Drosophila pseudoobscura, Light, Phase-contrast microscopy, Photoperiodism, Research, Temperature.
- 20319-68**
STUDIES ON PHASE-SHIFTS IN ENDOGENOUS RHYTHMS. II. THE DUAL EFFECT OF LIGHT ON THE ENTRAINMENT OF THE ECLOSION RHYTHM IN DROSOPHILA PSEUDOOSCURA.
M K Chandrashekar
Z Vergleichende Physiol 56(2):163-170 REF
1967 444.8 Z3
Diurnal rhythm, Drosophila pseudoobscura, Insect physiology, Light, Phase-contrast microscopy, Photoperiodism, Photosensitization, Pupae, Research.
- 20320-68**
PATHOGENS AND PARASITES IN LOUISIANA CULICIDAE AND CHAOBORIDAE.
H C Chapman D B Woodward J J Petersen
N J Mosquito Extern Ass Proc 54:54-60
Mar 1967 420 N46
Bacteria, Chaoboridae, Culicidae, Fungus diseases (insects), Microorganisms, Nematodes, Protozoa, Virus diseases (insects).
- 20321-68**
ESTIMATION OF PATHWAYS OF CARBOHYDRATE METABOLISM IN INSECTS.
W Chefurka
Entomol Soc Ontario Proc 96:17-23 REF
1965 420 ON8
Carbohydrates, Insect physiology, Insects, Metabolism.
- 20322-68**
RELEASE OF THE FREE NINHYDRIN-POSITIVE SUBSTANCE IN PHORMIA AND DROSOPHILA BY MEANS OF TWO DIMENSIONAL HIGH VOLTAGE ELECTROPHORESIS. (GE)
P S Chen E Kubli F Hanimann
Rev Suisse Zool 75(3):509-523 REF
Sep 1968 410 R324
Chromatography, Culex, Drosophila melanogaster, Electrophoresis, Ninhydrin reaction, Peptides, Phormia regina. English, french and german abstracts
- 20323-68**
EVALUATION OF CHEMOSTERILANT DAMAGE TO THE TESTES OF THE HOUSEFLY, MUSCA DOMESTICA, BY MICROSCOPIC OBSERVATION AND BY MEASUREMENT OF THE UPTAKE OF 14C-COMPOUNDS.
R E Cline
J Insect Physiol 14(7):945-953 REF
Jul 1968 421 J825
Arginine, Carbon compounds, Carbon isotopes, Chemosterilants, Musca domestica, Nucleic acids, Spermatoocytes, Testes.
- 20324-68**
LIFE HISTORY OF GESTA GESTA INVISUS (LEPIDOPTERA: HESPERIIDAE).
J A Comstock R O Kendall
San Diego Soc Natur Hist Trans 14(18):233-236
18 Aug 1967 410.9 SA54T
Food habits, Hesperidae, Insect biology, Insect morphology, Life cycle, Neotropical Region, Zoogeography. English and spanish abstracts
- 20325-68**
WINTERING QUEEN BEE BY RUMANIAN METHOD HAS PROMISING LOOK.
V A Cook
New Zeal J Agr 117(2):54-55,57
Aug 1968 23 N48J
Apiculture, Insect rearing equipment, Queen bees. Modified equipment for the Rumanian method of wintering queen bees is described.
- 20326-68**
THE SENSORY PHYSIOLOGY OF THE LARVA OF THE RHINOCEROS BEETLE ORYCTES RHINOCEROS L.
H H Costa V K Ganesalingam
Ceylon J Sci Biol Sci 7(1-2):52-73 REF
Oct 1967 475 C33
Insect physiology, Larvae, Scarabacidae, Sense organs, Xyloryctes jamaicensis. English abstract

- 20327-68**
OCCURRENCE OF TELEONEMIA SCRUPULOSA ON SESAMUM INDICUM LINN. IN UGANDA.
 J C Davies D J Greathead
Nature 213(5071):102
 07 Jan 1967 472 N21
 Lantana camara, Population, Sesame, Teleonemia scrupulosa, Zoogeography.
- 20328-68**
PHYSIOLOGY AND DEPORTMENT OF SEVERAL ANTS (HYM. FORMICIDAE) OF THE SAHARA IN REGARD WITH THE PRINCIPLE FACTORS OF THE CLIMATE. (FR)
 G Delye
Insectes Sociaux 14(4):323-338 REF
 Dec 1967 421 IN79
 Climate, Formicidae, Heat, Insect physiology, Water. English summary
- 20329-68**
LIFE HISTORY AND POPULATION CONSEQUENCES OF DENSITY, PHOTOPERIOD, AND TEMPERATURE IN A MIGRANT INSECT, THE MILKWEED BUG ONCOPELTUS.
 H Dingle
Amer Natur 102(924,MAR-APR):149-163 REF
 29 Apr 1968 470 AM36
 Demography, Insect migration, Oncopeltus fasciatus, Photoperiodism, Temperature.
- 20330-68**
POSSIBILITIES FOR FLIGHT DETECTION OF HARMFUL MOTHS OF THE NOCTUIDAE FAMILY ON SUGAR BEET. (RUS)
 B Dochkova
Rastenievud Nauk 5(9):93-98
 1968 64.8 R18
 Attractants, Insect flight, Molasses, Noctuidae, Sugar beets. English and russian abstracts
- 20331-68**
PHILORNIS FLIES FROM TRINIDAD (DIPTERA: MUSCIDAE).
 H R Dodge T H G Aitken
Kans Entomol Soc J 41(1):134-154
 Jan 1968 420 K13
 Diagnosis, Indexing, Philornis, Physiology, Research.
- 20332-68**
COPPER-MOLYBDENUM INTERACTION IN SHEEP AND CHICKS.
 R P Dowdy G Matrone
J Nutr 95(2):191-196
 Jun 1968 389.8 J82
 Anemia, Animal nutrition, Biochemistry, Chicks, Copper sulfate, Diet, Metabolism, Molybdenum compounds, Sheep.
 Abstract: The results of these studies were used to develop a hypothesis that molybdenum complexes with copper and that copper bound in this state is biologically inactive.
- 20333-68**
A COPPER-MOLYBDENUM COMPLEX: ITS EFFECTS AND MOVEMENT IN THE PIGLET AND SHEEP.
 R P Dowdy G Matrone
J Nutr 95(2):197-201 REF
 Jun 1968 389.8 J82
 Animal nutrition, Biochemistry, Copper sulfate, Culture media, Diet, Immunization, Metabolism, Molybdenum compounds, Sheep, Swine.
 Abstract: These results support the hypothesis that copper bound in a Cu-Mo complex is biologically unavailable and indicate that such a complex can exist in vivo.
- 20334-68**
LIGHT-AND ELECTRONMICROSCOPE INVESTIGATIONS INTO THE MALPIGHIAN TUBULES OF GALERUCELLA VIBURNI (CHRYSOMELIDAE). (GE)
 M Dressler
Z Wiss Zool 178(1-2):40-71 REF
 1968 410 Z3
- 20335-68**
REACTIVITY OF SEVERAL EXPERIMENTAL HETEROPTERA HOSTS TO THE LARVA OF A MONOPHAGE DIPTERA, PHASIINAE. (FR)
 C Dupuis
Acad Sci Compt Rend Ser D Sci Nat 265(23):1809-1812
 06 Dec 1967 505 P21
 Diptera, Heteroptera, Larvae, Parasitic insects.
- 20336-68**
PARASITISM OF THE ORIENTAL FRUIT MOTH, GRAPHOLITHA MOLESTA (BUSCK) (LEPIDOPTERA: TORTRICIDAE) IN ONTARIO, 1956-1965.
 G G Dustan H R Boyce
Entomol Soc Ontario Proc 96:100-102
 1965 420 ON8
 Braconidae, Grapholitha molesta, Ichneumonidae, Insect behavior, Lepidoptera, Parasitism, Time.
- 20337-68**
NOTES ON A WEEVIL'S BIOLOGY. (COL. CURCULIONIDAE). (SW)
 B Ehnstrom
Entomol Tidskr 89(1-2):64-68
 10 Aug 1968 421 EN891
 Catalogs, Curculionidae, Insect biology, Insect ecology. German abstract
- 20338-68**
OBSERVATIONS ON THE NESTING BEHAVIOR OF SOME SPECIES OF TACHYTES (HYMENOPTERA: SPHECIDAE, LARRINAE).
 H E Evans F E Kurczewski
Kans Entomol Soc J 39(2):323-332
 Apr 1966 420 K13
 Eggs, Insect behavior, Morphology, Nesting, Research, Tachytes.
- 20339-68**
SOME ECOLOGICAL FACTS ABOUT TWO DUTCH MELANIPS SPECIES (HYMENOPTERA, CYNIPIDAE).
 H H Evenhuis
Entomol Ber 28(9):175-176
 01 Sep 1968 420 N38B
 Cynipidae, Hymenoptera, Insect ecology.
- 20340-68**
INFLUENCE OF LIGHT AND TEMPERATURE ON THE HATCHING-ACTIVITY OF CHIRONOMUS NUDITARSIS STR. (GE)
 J Fischer S Rosin
Rev Suisse Zool 75(3):538-549
 Sep 1968 410 R324
 Chironomidae, Diptera, Insect morphology, Light, Temperature. English, french and german abstracts
- 20341-68**
THE EFFECT ON THE TWO-SPOTTED SPIDER MITE, TETRANYCHUS URTICAE, OF DICOFOL CONCENTRATION AND DEPOSIT DISTRIBUTION ON THE LEAF SURFACE.
 R W Fisher N G Morgan
Can Entomol 100(7):777-781
 Jul 1968 421 C16
 Chemical control (pests), Dicofol, Pesticide application, Plant pest control, Tetranychus urticae.
 Abstract
- 20342-68**
NEW INSECTICIDES THAT SHOW RESIDUAL TOXICITY TO ADULTS OF ANOPHELES QUADRIMACULATUS.
 J B Gahan H G Wilson G C LaBrecque
N J Mosquito Extern Ass Proc 54:145-152
 Mar 1967 420 N46
 Anopheles quadrimaculatus, Chemical control (insects), Insecticide residues, Insecticides, Mortality, Research, Spraying, Toxicology.
- 20343-68**
THE USE OF THE MOUTHPARTS OF ORTHOPTERA DURING FEEDING.
 S K Gangwere
Entomol News (philadelphia) 71(8):193-206
 Oct 1960 421 EN88
 Feeding, Insect anatomy, Insect behavior, Insect identification, Mechanization, Mouth parts, Orthoptera, Research.
- 20344-68**
THE NATURAL INFECTION RATE OF SIMULIUM DAMNOSUM WITH ONCHOCERCA VOLVULUS IN SAVANNAH REGIONS OF GUINEA.
 R Garms F Weyer
Z Tropenmed Parasitol 19(3):289-296 REF
 Sep 1968 448.8 Z37
 Breeding, Larvae, Morphology, Onchocerca volvulus, Onchocerciasis, Research, Simulium damnosum, Surveys. English and German summary
- 20345-68**
EXPERIMENTS ON HOST SELECTION IN THE ANOPHELES GAMBIAE COMPLEX.
 M T Gillies
Ann Trop Med Parasitol 61(1):68-75
 Mar 1967 448.9 L75A
 Anopheles, Calves, Feeding, Humans, Insect behavior, Insect vectors.
- 20346-68**
COLLECTION OF SIMULIIDS FROM THE IVORY COAST. STUDY OF THE ACTIVITY OF THE FEMALES OF SIMULIUM DAMNOSUM THEOBALD. (FR)
 J Giudicelli
Soc Entomol France Ann 11(2):325-342 REF
 1966 420 F84
 Diurnal rhythm, Humidity, Insect ecology, Light, Simuliidae, Simulium damnosum, Temperature.
 Abstract
- 20347-68**
A COMPARISON OF THE TIPULA AND SERICESTHIS IRIDESCENT VIRUSES.
 D G Glitz G J Hills C F Rivers
J Gen Virol 3(2):209-220 REF
 Sep 1968 QOR360.0A10J6
 Insects, Larvae, Sericesthis iridescent virus, Serological tests, Tipula iridescent virus, Virus diseases (animals).
- 20348-68**
A HYPOTHESIS ON THE SUBJECT OF LARVAL MONSTERS IN THE GENUS ANOPHELES. (FR)
 Y Guy
Inst Pasteur Algerie Arch 45:51-61
 1967 448.3 IN7A
 Abnormalities, Anopheles, Insect biology, Insect morphology, Insecticides, Larvae.
- 20349-68**
DEVELOPMENTAL PRODUCTION OF EMBRYONIC BLASTEMA OF DROSOPHILA AFTER CULTURE IN THE ADULT HOST. (GE)
 E Hadorn R Hurlimann G Mindek G Schuhiger M Staub
Rev Suisse Zool 75(3):557-569
 Sep 1968 410 R324
 Drosophila melanogaster, Insect morphology, Insect physiology, Metamorphosis, Neoplasms. English, french and german abstracts
- 20350-68**
A STUDY ON GONOTROPHIC CYCLE OF THE MOSQUITO Aedes VEXANS MEIG. IN SOUTH MORAVIA.
 Z Hajkova
Folia Parasitol 13(4):361-369 REF
 1967 436.8 C33
 Aedes vexans, Culicidae, Gonadotropins, Ovaries, Ovipositors, Temperature.
 Abstract: It was ascertained by dissection the females are hatched with imperfectly developed ovaries. In one season, females complete 2-3

gonotrophic cycles. The oviposition was stimulated by rain, especially after dry and warm days.

20351-68
OXYTELUS MUTATOR LOHSE (COL., STAPHYLINIDAE) NEW TO BRITAIN.
 P M Hammond
Entomologist (London) 101(1266):250-252
 Nov 1968 421 EN8
 Insect morphology, Reproductive organs, Staphylinidae.

20352-68
THE HEAD OF PSEUDOMENOPON PILOSUM (SCOPOLI) (MALLOPHAGAAMBLYCERA). (GE)
 F Haub
Zool Jahrbucher Abt Anat Ontog Tiere 84(4):493-558 REF
 1967 410 Z751
 Head, Insect morphology, Insect physiology, Mallophaga, Muscles, Nerves. German abstract

20353-68
STUDIES ON THE INCREMENT OF THE EFFICACY OF INSECTICIDES. (VII). ON THE EFFECT OF SYNERGIZED ON VARIOUS STRAINS OF HOUSE FLIES. (JA)
 A Hayashi M Hatsukade
Botyu-kagaku 32(2):39-41
 May 1968 421 B65
 Chemical control (insects), Chemicals, Insecticides, Mortality, Musca domestica, Research, Toxicology. English summary

20354-68
THE PECAN NUT CASEBEARER, ACROBASIS CARYAE (LEPIDOPTERA: PYRALIDAE) ON MOCKERNUT HICKORY, CARYA TOMENTOSA.
 E A Heinrichs
Kans Entomol Soc J 41(2):236-239
 Apr 1968 420 K13
 Acrobasis caryae, Carya tomentosa, Insect behavior, Lepidoptera, Parasitism.

20355-68
DDT-RESISTANCE IN TWO STRAINS OF CULEX PIPIENS PIPIENS LINNAEUS FROM NEW JERSEY.
 A H Hemmerlein
N J Mosquito Exterm Ass Proc 54:158-163
 Mar 1967 420 N46
 Culex pipiens pipiens, DDT, Feeding, Insecticide resistant insects, Insecticides, Mortality, Research.

20356-68
LEAFMINERS OF HVAR ISLAND (COL., DIPT., HYM., LEP.). (GE)
 E M Hering
Deut Entomol Z 14(1-2):1-80 REF
 01 Jun 1967 421 D48
 Coleoptera, Diptera, Hymenoptera, Insect morphology, Insects, Leaf miners, Lepidoptera, Zoogeography.

20357-68
DERMACENTOR ANDERSONI IN NATIONAL FOREST RECREATION SITES OF UTAH.
 C S Herrin
Great Basin Natur 28(1):30-43 MAP REF
 30 Mar 1968 410 G79
 Demography, Dermacentor andersoni, Ecology, Ixodidae, Seasonal variation.

20358-68
THE HIBERNATION OF CATERPILLARS IN A REFRIGERATOR. (GE)
 R Hinz
Entomol Z 78(8):93-95
 15 Apr 1968 421 EN85
 Caterpillars, Diapause, Hibernation, Insect behavior, Insect rearing, Refrigeration. German abstract

20359-68
THE CONVERSION OF 14C-CARBOHYDRATES INTO CO2 AND LIPID BY THE SILKWORM, BOMBYX MORI.
 Y Horie T Ito S Nakasone
J Insect Physiol 14(7):971-981 REF
 Jun 1968 421 J825
 Bombyx mori, Carbohydrates, Carbon dioxide, Carbon isotopes, Chemurgy, Fatty acids, Glucose, Insect metabolism, Lipids, Pyruvate carboxylase.

20360-68
ON THE DIVISION OF LABOUR IN THE PRIMITIVE TERMITE ZOOTHERMOPSIS NEVADENSIS (HAGEN).
 P E Howse
Insectes Sociaux 15(1):45-50
 Mar 1968 421 IN79
 Insect behavior, Social insects, Termites, Zootermopsis nevadensis. French summary

20361-68
DRINKING OF WATER BY FLEAS.
 D A Humphries
Entomol Mon Mag 102(1229-1231):260-262
 Oct 1966 421 EN86
 Ceratophyllus gallinae, Feeding, Insect behavior, Siphonaptera, Water.

20362-68
STERIODS. CCCXXXVI. SYNTHETIC STUDIES ON INSECT HORMONES. VI. THE SYNTHESIS OF PONASTERONE A AND ITS STEREOCHEMICAL IDENTITY WITH CRUSTECDYSONE.
 G Huppi J B Siddall
Tetrahedron Lett 9:1113-1114
 Feb 1968 385 T29
 Chemical structure, Ecdysterone, Hormones, Insects, Ponasterone A, Stereochemistry, Steroids.

20363-68
THE INACTIVATION OF THE NUCLEAR POLYHEDROSIS VIRUS OF TRICHOPLUSIA NI BY GAMMA AND ULTRAVIOLET RADIATION.
 R P Jaques
Can J Microbiol 14(10):1161-1163
 Oct 1968 448.8 C162
 Gamma rays, Insect diseases, Polyhedroses, Radiation, Trichoplusia ni, Ultraviolet rays, Viruses.

20364-68
A CONE TRAP FOR IMMATURE BLACK FLIES (DIPTERA: SIMULIIDAE).
 A F Johnson D H Pengelly
Entomol Soc Ontario Proc 96:120
 1965 420 ON8
 Diptera, Equipment, Insect traps, Simuliidae.

20365-68
THE TOXICITY OF CONTACT INSECTICIDES TO SEED-INFESTING INSECTS. TESTS WITH PYRETHRUM IN DIRECT APPLICATION. (ABSTRACT).
 P C Joubert
Pesticide Progr 5(3):74
 May 1967 79.8 P434
 Chemical control (insects), Corn, Grain, Insecticide application, Pyrethrum, Seedlings, Toxicology. Abstract from Pyrethrum Post 8 (2): 6-15. 1965.

20366-68
ON THE HEAD MORPHOLOGY OF TWISTED-WINGED INSECTS (STREPSIPTERA, INSECTA). (GE)
 R Kinzelbach
Zool Jahrbucher Abt Anat Ontog Tiere 84(4):559-684 REF
 1967 410 Z751
 Coleoptera, Head, Insect morphology, Insect physiology, Muscles, Nerves, Strepsiptera, Stylopidae. German and english abstract

20367-68
FLIGHT OF MOTHS (LEPIDOPTERA, NOCTUIDEA) TO DIFFERENT SOURCES OF LIGHT IN THE MOUNTAIN-FOREST ZONE OF CRIMEA. (RUS)
 Z F Klyuchko
Zool Zhur 46(11):1721-1723
 Nov 1967 410 R92
 Insect behavior, Insect flight, Insect taxonomy, Light traps, Noctuidae.
 Abstract

20368-68
THE STATISTICO-PHYSIOLOGICAL CONSIDERATION ON THE ESTIMATION OF SYNERGISTIC ACTION OF INSECTICIDES APPLIED JOINTLY. (JA)
 T Kono
Botyu-kagaku 32(2):34-39
 May 1967 421 B65
 Benzene hexachloride, Biological assay, Carbaryl, Insecticide synergists, Nephrotettix cincticeps.
 English abstract

20369-68
ARTIFICIAL DIET FOR THE ZOYSIAGRASS BILLBUG, SPHENOPHORUS VENATUS VESTITUS (COLEOPTERA: CURCULIONIDAE), AND NOTES ON ITS BIOLOGY.
 K Kovitvadhii S H Kerr
Fla Entomol 51(4):247-250
 Dec 1968 420 F662
 Curculionidae, Diet, Insect biology, Insect nutrition, Insect rearing, Life cycle, Sphenophorus. English abstract

20370-68
VIRUS FILAMENTS WITH ROD FORMS, INSECT VIRUS OF THE GENUS BORRELINAVIRUS. (GE)
 A Krieg A M Huger
Naturwissenschaften 55(9):453
 Sep 1968 474 N213
 Galleria mellonella, Insect diseases, Viruses.

20371-68
FATTY ACID COMPOSITION OF THE RICE STEM BORER CHILO SUPPRESSALIS WALKER.
 Y Kuwahawa S Ishii
Botyu-kagaku 32(2):42-45 REF
 May 1968 421 B65
 Acids, Chilo suppressalis, Culture media, Fatty acids, Food plants, Lipids, Research.

20372-68
OVIPOSITION CYCLES AND THE STIMULUS FOR OVIPOSITION IN DERMESTES MACULATUS DEGEER (COLEOPTERA: DERMESTIDAE).
 A M Ladduwahetty
Ceylon J Sci Biol Sci 7(1-2):128-138 REF
 Oct 1967 475 C33
 Dermestidae, Insect behavior, Insect physiology, Oviposition, Ovulation, Stimulants. English abstract

20373-68
THE CAPE MAY COMMISSION BUILDS A CONTROLLED WATER LEVEL FACILITY FOR MOSQUITO CONTROL.
 B M Lafferty
N J Mosquito Exterm Ass Proc 54:124-128
 Mar 1967 420 N46
 Agricultural outlook, Culex, Insect control, Light traps, Surveys.

20374-68
FIELD TRIALS WITH GRANULAR ABATE FOR CONTROL OF EARLY SPRING AEDES MOSQUITOES.
 R W Lake F J Murphy C J Stachecki
N J Mosquito Exterm Ass Proc 54:179-180
 Mar 1967 420 N46
 Abate, Aedes, Chemical control (insects), Insect control, Larvicides, Research, Toxicology.

20375-68

20375-68

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

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

Jul 1967 515 D14

Insect ecology, Metamorphosis, Simuliidae, French abstract

20376-68

A DECADE OF MOSQUITO CONTROL IN MARYLAND.

G S Langford

N J Mosquito Extern Ass Proc 54:45-48

Mar 1967 420 N46

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

20377-68

LOCATING THE EGGS OF Aedes vexans (MG.) (DIPTERA: CULICIDAE).

L P Lefkovich R A Brust

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

Sep 1968 421 B87

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

20378-68

THE NUMBER OF LARVAL INSTARS IN SOME BARK BEETLE SPECIES.

B Lekander

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

10 Aug 1968 421 EN891

Coleoptera, Insect morphology, Larvae, Metamorphosis, Scolytidae.

20379-68

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

B Lekander

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

10 Aug 1968 421 EN891

Curculionidae, Insect morphology, Larvae, Scolytidae.

20380-68

THE PLACE OF CAMPONOTUS ACVAPIMENSIS MAYR (HYMENOPTERA FORMICIDAE) IN THE ALIMENTAL CHAIN OF A SAVANNA OF THE IVORY COAST. (FR)

J Leveux

Insectes Sociaux 14(4):313-322

Dec 1967 421 IN79

Food, Formicidae, Insect behavior, Vegetation, English summary

20381-68

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

J L Lomax

N J Mosquito Extern Ass Proc 54:170-178

Mar 1967 420 N46

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

20382-68

PURIFICATION OF A NON-OCCLUDED VIRUS OF GALLERIA MELLONELLA.

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

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

Sep 1968 Q0R360.0A10J6

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

20383-68

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

S R Loschiavo

Can Entomol 100(1):86-89

Jan 1968 421 C16

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

20384-68

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

V A Loy

N J Mosquito Extern Ass Proc 54:104-108

Mar 1967 420 N46

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

20385-68

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

M Markkula J Rautapaa

Suomen Hyonteistietellinen Aikakauskir Ann Entomol Fenn 33(1):1-13 REF

1967 421 SU7

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

Abstract

20386-68

THE POPULATION BIOLOGY OF THE BUTTERFLY, EUPHYDRYAS EDITHA. V. CHARACTER CLUSTERS AND ASYMMETRY.

L G Mason P R Ehrlich T C Emmel

Evolution 21(1):85-91 REF

30 Mar 1967 443.8 EV62

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

20387-68

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

J A Mathewson

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

Apr 1968 420 K13

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

20388-68

PRELIMINARY OBSERVATIONS CONCERNING THE ABSENCE OF Aedes Aegypti IN SAVANNAH, GEORGIA, AND NEARBY AREAS.

E M McCray D P Wilton H F Schoof

N J Mosquito Extern Ass Proc 54:152-154

Mar 1967 420 N46

Aedes aegypti, Environment, Insect migration, Surveys.

20389-68

INTEREPIDEMIC HOSTS OF WESTERN ENCEPHALITIS VIRUS IN SASKATCHEWAN.

J McIntock A N Burton J G Rempel

N J Mosquito Extern Ass Proc 54:97-104

Mar 1967 420 N46

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

20390-68

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

D Meyer-Grassmann C Schlatter

Rev Suisse Zool 75(3):460

Sep 1968 410 R324

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

20391-68

THE TWO JUVENILE HORMONES FROM THE CECROPIA SILK MOTH.

A S Meyer H A Schneiderman E Hanzmann J H Ko

Nat Acad Sci Proc 60(3):853-860 REF

Jul 1968 500 N210P

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

20392-68

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

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

J Nutr 95(2):278-286 REF

Jun 1968 389.8 J82

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

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

20393-68

HOST EXPLOITATION OF TWO CLOSELY RELATED WATER MITES.

R Mitchell

Evolution 21(1):59-75

30 Mar 1967 443.8 EV62

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

20394-68

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

W W D Modder

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

Oct 1967 475 C33

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

20395-68

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

W W D Modder

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

Oct 1967 475 C33

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

20396-68

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

W W D Modder

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

Oct 1967 475 C33

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

20397-68

THE SPECIFICITIES OF ALIMENTARY CANAL CARBOHYDRASES OF THE COCKROACH, BLABERUS CRANIIFER BURMEISTER.

W W D Modder

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

Oct 1967 475 C33

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

20398-68

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

W W P Modder

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

Oct 1967 475 C33

Gastrointestinal system, Insect morphology, Lepismatidae, Salivary glands (insects), Thysanura. English abstract

20399-68

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

D Moriwiki O Kitagawa T Okada

Evolution 21(1):109-116 MAP

30 Mar 1967 443.8 EV62

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

- 20400-68**
INSECT HORMONES. VI. CONFIRMATION OF SKELETAL STRUCTURE OF PONASTERONE A.
H Moriyama K Nakanishi
Tetrahedron Lett 9:1111-1112
Feb 1968 385 T29
Chemical structure, Hormones, Insects, Ponasterone A, Steroids.
- 20401-68**
CHEMOSTERILANTS FOR CONTROL OF REPRODUCTION IN THE EYE GNAT (HIPPELATES COLLUSOR) AND THE MOSQUITO (CULEX QUINQUEFASCIATUS).
M S Mulla
Hilgardia 39(10):297-324 REF
Jul 1968 100 C12H
Biochemistry, Biological control (insects), Chemosterilants, Culex quinquefasciatus, Hippelates collusor, Insect control, Population, Reproduction, Sterilization.
- 20402-68**
INSECT HORMONES. V. THE STRUCTURES OF PONASTERONES B AND C.
K Nakanishi M Koreeda M L Chang H Y Hsu
Tetrahedron Lett 9:1105-1110
Feb 1968 385 T29
Chemical structure, Hormones, Insects, Ponasterone B, Ponasterone C, Stereochemistry, Steroids.
- 20403-68**
DISTRIBUTION OF FORAGING HOLES AND SOIL DUMPS OF THE HARVESTER TERMITE, HODOTERMES MOSSAMBICUS (HAGEN) (ISOPTERA: HODOTERMITIDAE). (AF)
J J C Nel
S Afr J Agr Sci 11(1):173-182
Mar 1968 24 SU3
Insect behavior, Insect ecology, Statistical analysis, Termites, Weather. Afrikaans, french and english abstract
- 20404-68**
STUDIES ON THE ECOLOGY OF CULICOIDES MIDGES—THE TRANSMITTERS OF BLUETONGUE AND HORSE-SICKNESS.
E M Nevill
S Afr Biol Soc J 7.8:76-78
1966 410.9 SO8J
African horse sickness, Bluetongue virus, Cattle, Ceratopogonidae, Culicoides, Horses, Insect behavior, Insect ecology, Insect vectors.
- 20405-68**
LABORATORY TESTS OF HEAVY METAL SALTS AS MOSQUITO LARVICIDES.
D Novak J Boudu
Angew Parasitol 9(3):175-176
Aug 1968 436.8 AN4
Chemical control (insects), Culex pipiens, Larvicides, Metals. English, czech, russian and german abstracts
- 20406-68**
THE DEVELOPMENT OF THE THORACIL MUSCULATURE OF PERIPLANETA AFTER DISCONNECTION OF INDIVIDUAL NERVES. PRELIMINARY REPORT. (GE)
H Nuesch T Teutsch
Rev Suisse Zool 75(3):643-650
Sep 1968 410 R324
Blattidae, Insect physiology, Larvae, Muscles, Nerves, Periplaneta americana. English, french and german abstracts
- 20407-68**
RING-CANALS AND INTERCELLULAR COMMUNICATION WITHIN THE EGGCHAMBER OF A TSETSE FLY SPECIES.
T R Odhiambo
Experientia 24(7):738-740 REF
15 Jul 1968 475 EX7
Diptera, Glossina, Insect eggs, Insect histology, Insect morphology, Mitosis.
- 20408-68**
RELATIONSHIP OF OXYGEN REQUIREMENTS TO INDEX-ORGANISM CLASSIFICATION OF IMMATURE AQUATIC INSECTS.
T A Olson M E Rueger
Water Pollut Contr Fed J 40(5,PT.2):R188-R202 REF
May 1968 293.8 SE8
Aquatic animals, Diptera, Insect physiology, Metabolism, Odonata, Oxygen, Plecoptera, Trichoptera.
- 20409-68**
GROWTH OF FOLLICULAR CELLS IN APHIDS. A CYTOPHOTOMETRIC AND AUTORADIOGRAPHIC STUDY.
E Orlando R Crema
Experientia 2(10):1038-1039
15 Oct 1968 475 EX7
Aphididae, Autoradiography, Insect morphology, Oogenesis, Photomicrography.
- 20410-68**
ON THE TERATOLOGY OF THE PRIMARY- AND HYPERPARASITES OF BREVICORYNE BRASSICAE (L.). (GE)
D Pactzold G Vater
Deut Entomol Z 15(4-5):409-426 REF
01 Oct 1968 421 D48
Aphididae, Brevicoryne brassicae, Cynipidae, Insect abnormalities, Parasitic insects, Predaceous insects. German abstract
- 20411-68**
ESTABLISHMENT OF BUMBLE BEES IN NEST BOXES AT CHRISTCHURCH.
T P Palmer
New Zeal J Agr Res 11(3):737-739
Aug 1968 23 N4892
Apiculture, Apidae, Bombus, Insect rearing. English abstract
- 20412-68**
THE CEPHALIC AND PROTHORACIC SKELETOMUSCULATURE AND NERVOUS SYSTEM IN LETHOCERUS (HETEROPTERA, BELOSTOMATIDAE).
M C Parsons
Linn Soc London J Zool 47(312):349-406 REF
Apr 1968 410.9 L64
Belostomatidae, Endocrine glands, Insect anatomy, Muscles, Nervous system. English abstract
- 20413-68**
SECRETION OF THE METATHORACIC GLANDS OF THE WATERBUG NOTONECTA GLAUCA L. (.
G Pattenden B W Staddon
Experientia 24(11):1092
15 Nov 1968 475 EX7
Glands (insects), Insect physiology, Notodontidae, Secretion. German abstract
- 20414-68**
CONTRIBUTION TO THE KNOWLEDGE OF THE LARVAE AND PUPAE OF AGAPANTHIA VIOLACEA FABRICIUS (1775) AND AGAPANTHIA VILLOSOVIRIDESCENS DE GEER (1775) (COL., CERAMBYCIDAE, LAMINAE). (GE)
H Paulus
Entomol Bl 64(2):70-85 REF
25 Oct 1968 421 EN833
Cerambycidae, Insect morphology, Insect taxonomy, Larvae, Pupae. English and german abstracts
- 20415-68**
THE ANTIMETABOLITE IMIDAZOLE AS A PESTICIDE. (ABSTRACT).
R J Pence
Pesticide Progr 5(3):77
May 1967 79.8 P434
Antimetabolites, Chemical control (insects), Imidazole, Pesticides, Surface-active agents, Toxicology. This was the author's abstract from Calif. Agr. 19(1): 13-15. 1965.
- 20416-68**
THE MECHANICAL BREAKDOWN OF HARDWOOD IN THE LABORATORY BY POPILIUS DISJUNCTUS (COLEOPTERA: PASSALIDAE).
F J Preiss E P Catts
Kans Entomol Soc J 41(2):240-242
Apr 1968 420 K13
Coleoptera, Hardwoods, Insect behavior, Laboratories, Popilius disjunctus.
- 20417-68**
ON THE EFFECT OF THE VAPOR PHASE OF SOME INSECTICIDES ON COMMON HOUSE FLIES (MUSCA DOMESTICA L.). (GE)
M Privora J Zemanova
Z Angew Zool 55(1):101-105
1968 449.8 Z36
Chemical control (insects), Insect control, Insecticidal aerosols, Musca domestica, Muscidae, Vapors. German abstract
- 20418-68**
ON A EUROPEAN STENUS TERMINALIA (COLEOPTERA, STAPHYLINIDAE). 47. CONTRIBUTION TO THE KNOWLEDGE OF THE STENINAE. (GE)
V Puthz
Entomol Bl 64(2):86-92
25 Oct 1968 421 EN833
Catalogs, Insect morphology, Staphylinidae.
- 20419-68**
THE SUSCEPTIBILITY OF CULEX PIPPIENS FATIGANS LARVAE TO INSECTICIDES IN RANGOON, BURMA.
P Rosen
World Health Organ Bull 37(2):301-310,MAP
1967 449.9 W892B
Chemical control (insects), Culex pipiens quinquefasciatus, Fenthion, Filariasis, Insect physiology, Insect vectors, Insecticide resistant insects, Insecticides, Larvae, Parathion, Temperature. Summary in French
- 20420-68**
REVIEW OF THE BIOLOGY OF PANURGINE BEES, WITH OBSERVATIONS ON NORTH AMERICAN FORMS (HYMENOPTERA, ANDRENIDAE).
J G Rozen
Amer Mus Novitates 00(2297):1-44 REF
18 Aug 1967 500 N4830N
Andrenidae, Habits, Hymenoptera, Insect biology.
- 20421-68**
PROPYNYL NAPHTHYL ETHERS AS SELECTIVE CARBAMATE SYNERGISTS.
R M Sacher R L Metcalf T R Fukuto
J Agr Food Chem 16(5):779-786 REF
Sep 1968 381 J8223
Biological assay, Carbamates, Chromatography, Ethers, Musca domestica, Naphthol, Research.
- 20422-68**
AMBER BARK BEETLES FROM THE ZOOLOGICAL MUSEUM OF THE UNIVERSITY OF COPENHAGEN. 247. CONTRIBUTION TO THE SYSTEMATICS AND MORPHOLOGY OF THE SCOLYTOIDEA. (GE)
K E Schedl
Entomol Medd 35(1):85-87
25 May 1967 421 EN82
Insect taxonomy, Paleontology, Scolytidae.
- 20423-68**
MOSQUITO CONTROL MEANS REAL ESTATE ENHANCEMENT.
J L Schlesinger
N J Mosquito Extern Ass Proc 54:9-11
Mar 1967 420 N46
Agricultural outlook, Agricultural policies, Culicidae, Insect control, Research.
- 20424-68**
ANALYSIS OF THE SYNTHESIS OF SOME YOLK PROTEINS UNDER THE INFLUENCE

OF THE CORPORA ALLATA OF LEUCOPHAEA MADERAE. (GE)

R Schuerc M Luscher

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

Sep 1968 410 R324

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

20425-68**FORMATION OF SILK PROTEINS BY THE SILKWORM, BOMBYX MORI, AFTER GAMMA-RAY IRRADIATION IN THE EMBRYONIC STAGE.**

H Shigematsu H Takeshita

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

Jul 1968 421 J825

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

20426-68**THE EFFECT OF PROTEIN SOURCES AND OF THE FREQUENCY OF EGG COLLECTION ON EGG PRODUCTION BY THE HOUSEFLY (MUSCA DOMESTICA L.).**

E Shipp A W Osborn

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

1967 449.9 W892B

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

20427-68**BREVICOMIN: PRINCIPAL SEX ATTRACTANT IN THE FRASS OF THE FEMALE WESTERN PINE BEETLE.**

R M Silverstein R G Brownlee T E Bellas D C

Wood L E Browne

Science 159(3817):889-891

23 Feb 1968 470 SC12

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

20428-68**A COMPARATIVE STUDY OF THE ALIMENTARY CANAL OF ADULT CALYPTRATE DIPTERA.**

S B Singh W W A Judd

Entomol Soc Ontario Proc 96:29-80 REF

1965 420 ON8

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

20429-68**DISTRIBUTION OF ASTER YELLOW VIRUS IN THE VECTOR MACROSTELUS FASCIFRONS AND THE SEQUENCE OF INFECTION SITES. (ABSTRACT).**

R C Sinha L N Chiykowski

Phytopathology 57(8):831

Aug 1967 464.8 P56

Animal extracts, Aster, Aster yellows (ornamental plants), Blood, Insect vectors, Macrosteles fascifrons, Plant disease transmission.

20430-68**THE ACCUMULATION OF URIC ACID IN THE FAT BODY OF SAWFLIES AND ITS DETECTION.**

W A Smirnoff B J R Philogene

Can Entomol 100(1):69-74

Jan 1968 421 C16

Cells, Diprionidae, Dosage, Fat body, Insect taxonomy, Tenthredinidae, Uric acid. English and French abstracts.

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

20431-68**GLOBAL EVENTS CONCERNING MOSQUITOES IN 1966.**

H Sollers-Ricdel

N J Mosquito Exterm Ass Proc 54:181-214

Mar 1967 420 N46

Anatomy, Arboviruses, Biology, Culicidae, Ecology, Filariasis, Genetics, Geography, Insect

behavior, Insect migration, Insect vectors, Larvicides, Malaria, Morphology, Physiology, Research, Sterilization, Taxonomy, Yellow fever virus.

20432-68**A COMPARISON OF THE PROTEIN QUALITY OF POLLENS FOR GROWTH, STIMULATION OF THE HYPOPHARYNGEAL GLANDS AND LONGEVITY OF HONEY BEES, APIS MELIFERA L. (HYMENOPTERA: APIDAE).**

L N Standifer

Insectes Sociaux 14(4):415-426 REF

Dec 1967 421 IN79

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

20433-68**HORMONAL CONTROL OF CARBOHYDRATE METABOLISM IN INSECTS.**

J F Steele

Entomol Soc Ontario Proc 96:23-28 REF

1965 420 ON8

Carbohydrates, Hormones, Insect physiology, Insects, Metabolism.

20434-68**A NEW ACARICIDE TO CONTROL PHOSPHATE ESTER RESISTENT SPIDER MITES THROUGH RESISTANCE-INDUCED ENHANCED SUSCEPTIBILITY. (GE)**

W R Steinhäusen

Z Angew Zool 55(1):107-114

1968 449.8 Z36

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

20435-68**BIO-ACOUSTIC INVESTIGATIONS OF THE COCKROACH LEUCOPHAEA MADERAE (F.). (GE)**

R Sturmer

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

01 Jun 1967 421 D48

Blattidae, Insect behavior, Insect physiology, Leucophaea maderae, Stridulation.

20436-68**THE DEPOSITION OF LIPID AND THE COMPOSITION OF NEUTRAL LIPIDS IN THE FAT BODY OF SARCOPHAGA BULLATA (DIPTERA).**

G Y Sun V J Brookes

Compar Biochem Physiol 24(1):177-185 REF

Jan 1968 444.8 C73

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

20437-68**FEEDING THROUGH ROOT SURFACES OF RUTABAGA BY HYLEMYA BRASSICAE (DIPTERA: ANTHOMYIIDAE).**

G E Swailes

Can Entomol 100(10):1061-1064

Oct 1968 421 C16

Feeding, Hylemya brassicae, Insect rearing, Laboratories, Research, Roots, Rutabagas.

20438-68**STUDIES ON NATURAL POPULATIONS OF DROSOPHILA. VI. COMPETITION BETWEEN DROSOPHILA MELANOGASTER AND DROSOPHILA SIMULANS.**

A O Tantawy M H Soliman

Evolution 21(1):34-40 REF

30 Mar 1967 443.8 EV62

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

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20440-68**TESTS (1966) WITH BLACK FLY LARVICIDES.**

B V Travis D Guttman R R Crafts

N J Mosquito Exterm Ass Proc 54:49-53

Mar 1967 420 N46

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

20441-68**RESULTS OF OVARY TRANSPLANTATIONS IN LOCUSTA MIGRATORIA IMAGOS. (FR)**

A Vogel

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

16 Sep 1968 505 P21

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20442-68**FAUNA AND ECOLOGICAL INVESTIGATIONS OF STALK FLIES IN THE BERLIN AREA. (DIPT. CHLOROPIDAE). (GE)**

H Wendt

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

15 Jul 1968 421 D48

Catalogs, Chloropidae, Diptera, Insect ecology. German abstract

20443-68**CABBAGE APHID: EFFECT OF ISOLATION ON FORM AND ON ENDOCRINE ACTIVITY.**

D F White

Science 159(3811):218-219

12 Jan 1968 470 SC12

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

20444-68**THE ENDOCRINE AND NUTRITIONAL CONTROL OF EGG MATURATION IN THE FLESHFLY SARCOPHAGA BULLATA.**

J L Wilkens

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

Jul 1968 421 J825

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

20445-68**AN ESTIMATE OF THE POTENTIAL EVOLUTIONARY INCREASE IN SPECIES DENSITY IN THE POLYNESIAN ANT FAUNA.**

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Evolution 21(1):1-10

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Demography, Formicidae, Insect evolution, Zoogeography. English abstract

20446-68**SOME METHODS OF REARING AND COLLECTING BLACK FLIES (DIPTERA SIMULIIDAE).**

D M Wood D M Davies

Entomol Soc Ontario Proc 96:81-90 REF

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Diptera, Insect collecting equipment, Insect rearing, Simuliidae.

20447-68**RECEPTOR POTENTIALS OF SINGLE VISUAL CELLS OF CALLIPHORA ERYTHROCEPHALA: AN ANALYSIS. (GE)**

F Zettler

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

1967 444.8 Z3

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

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GENE ACTIVITY DEPENDENT ON CHROMOSOME SYNOPSIS IN THE POLYTENE CHROMOSOMES OF DROSOPHILA MELANOGASTER.
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Nature 214(5093):1159-1160
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 Breeding, Cell division, Chromosomes, Drosophila melanogaster, Ecdysone, Experimental insects, Genes, Hormones, Insect genetics, Mutation, Research.
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STABILISING SELECTION IN DROSOPHILA MELANOGASTER.
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- 20450-68**
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 Chromosomes, Gryllotalpa hexadactyla, Insect genetics, Meiosis, Research, Spermatocytes.
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MATING BEHAVIOR AND FITNESS AS A FUNCTION OF SINGLE ALLELE DIFFERENCES IN EPHESTIA KUHNIELLA Z.
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Evolution 21(2):275-284 REF
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 Alleles, Demography, Ephestia, Fertility, Insect behavior, Insect genetics, Phycitidae, Sex behavior. English abstract
- 20453-68**
PRELIMINARY EVIDENCE OF COLD TEMPERATURE RESISTANCE IN DROSOPHILA PSEUDOOBSCURA.
 D W Crumpacker D Marinkovic
Amer Natur 101(922,NOV-DEC):505-514 REF
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 Drosophila pseudoobscura, Insect adaptation, Insect genetics, Temperature.
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UNIFORM HETEROKARYOTYPIC SUPERIORITY FOR VIABILITY IN A COLORADO POPULATION OF DROSOPHILA PSEUDOOBSCURA.
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 Alleles, Chromosomes, Demography, Drosophilidae, Insect genetics. English abstract
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 Demography, Insect behavior, Insect genetics, Insect morphology, Tenebrionidae, Tribolium castaneum, Tribolium confusum. English abstract
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DEVELOPMENTAL AND GENETIC HOMEOSTASIS IN TWO SPECIES OF FLOUR BEETLES.
 P S Dawson
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Genetics 59(4):537-542
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 Genes, Insect genetics, Mutation, Population, Tables (data), Tribolium confusum.
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- 20459-68**
REPEATED MATING AND SPERM MIXING IN DROSOPHILA PSEUDOOBSCURA.
 Th Dobzhansky O Pavlovsky
Amer Natur 101(922,NOV-DEC):527-533 REF
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 Animal breeding, Drosophila pseudoobscura, Insect behavior, Insect genetics, Spermatozoa.
- 20460-68**
A STOCK OF DROSOPHILA MELANOGASTER EVIDENTLY SHOWING DRIVE AND QUASI-LINKAGE IN FEMALES.
 L T Douglas S J Geerts N Oomen
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 Abstract
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 Antennae, Cells, Drosophila melanogaster, Insect genetics, Legs, Mutation, Research, Tissues.
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 H F Hoenigsberg
Amer Natur 102(924,MAR-APR):185-187
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 Chromosomes, Demography, Drosophila melanogaster, Insect genetics, Lethal factor.
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AN ECOLOGICAL SITUATION WHICH PRODUCED A CHANGE IN THE PROPORTION OF DROSOPHILA MELANOGASTER TO DROSOPHILA SIMULANS.
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Amer Natur 102(926,JUL-AUG):389-390
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 Demography, Drosophila melanogaster, Drosophila simulans, Fruit, Insect ecology, Insect genetics.
- 20464-68**
THE POPULATION BIOLOGY OF THE BUTTERFLY, EUPHYDRYAS EDITHAVII. HAS E. EDITHA EVOLVED A SERPENTINE RACE.
- M P Johnson A D Keith P R Ehrlich
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 21 Jun 1968 443.8 EV62
 Demography, Insect biology, Insect evolution, Lepidoptera, Plantago.
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A POSSIBLE MODEL FOR SPECIATION BY CYTOPLASMIC ISOLATION IN THE CULEX PIPIENS COMPLEX.
 H Laven
World Health Organ Bull 37(2):263-266
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 Breeding, Chromosomes, Culex pipiens, Cytoplasm, Insect genetics, Mutation, Population. Summary in French
- 20467-68**
ERADICATION OF CULEX PIPIENS FATIGANS THROUGH CYTOPLASMIC INCOMPATIBILITY.
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Nature 216(5113):383-384
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 Biological control (insects), Breeding, Culex pipiens quinquefasciatus, Cytoplasm, Experimental insects, Filariasis, Insect genetics, Insect vectors, Population, Research.
- 20468-68**
CYTOLOGICAL ANALYSIS OF THE SEX CHROMOSOME FROM TESTIS CELLS OF GRASSHOPPERS--A REVIEW.
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 Chromosomes, Cytogenetics, Grasshoppers, Meiosis, Sex. English abstract
- 20469-68**
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 D J McDonald L Stoner
Amer Natur 102(926,JUL-AUG):323-336 REF
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 Demography, Insect biology, Insect genetics, Tribolium.
- 20470-68**
RELATION OF INFECTION TO POPULATION STRUCTURE IN DROSOPHILA MELANOGASTER.
 S Minamori K Tatsukawa
Evolution 22(2):337-351 MAP REF
 21 Jun 1968 443.8 EV62
 Demography, Drosophilidae, Insect genetics, Zoogeography. English abstract
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 Chromosomes, Drosophila melanogaster, Genes, Insect genetics, Mutation, Tables (data), Temperature, Wings (insects).
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THE EFFECTS OF CHEMICALS ON THE PHENOTYPIC EXPRESSION OF A VESTIGIAL MUTANT IN DROSOPHILA MELANOGASTER.
 E Nakashima-Tanaka
Genetica 38(4):459-470 REF

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

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SELECTION AT A HIGH HUMIDITY FOR GREEN AND BROWN SOLITARIA IPOPPER COLORATION IN LOCUSTANA PARDALINA (WALKER).
M D Nel

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

20474-68
THYMIDINE-TERATOGENESIS IN DIFFERENT SPECIES OF THE GENUS DROSOPHILA.
O Parkash

Experientia 24(7):726-727
15 Jul 1968 475 EX7
Animal genetics, Biochemistry, Drosophila, Insect abnormalities, Insect morphology, Insect physiology, Thymidine. German abstract

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ALLELE SPECIFIC PATTERNS OF SUPPRESSION OF THE VERMILION LOCUS IN DROSOPHILA MELANOGASTER.
T M Rizki R M Rizki

Genetics 59(4):477-485 REF
Aug 1968 442.8 G28
Alleles, Drosophila melanogaster, Fat body, Gynandromorphism, Insect genetics, Kynurenine, Metabolites, Tissues.

20476-68
LACK OF CORTISONE INHIBITION OF CHROMOSOMAL PUFFING IN DROSOPHILA MELANOGASTER.
J H Sang

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

20477-68
NUCLEOLAR 4S RIBONUCLEIC ACID IN DIP-TERAN SALIVARY GLANDS IN THE PRESENCE OF INHIBITOR.
J L Sirlin U E Loening

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Sep 1968 382 B52
Chromosomes, Diptera, Genetics, Insect physiology, Ribonucleic acid, Salivary glands.

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POPULATION STRUCTURE IN THE CULEX PIPIENS COMPLEX OF MOSQUITOS.
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World Health Organ Bull 37(2):271-276 REF
1967 449.9 W892B
Blood, Breeding, Culex pipiens molestus, Culex pipiens quinquefasciatus, Feed, Fertility, Insect behavior, Insect physiology, Population, Reproduction. Summary in French

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LOW FREQUENCY ADVANTAGE IN MATING OF DROSOPHILA PSEUDOBSCURA KARYOTYPES.
E B Spiess

Amer Natur 102(926,JUL-AUG):363-379 REF
30 Aug 1968 470 AM36
Breeding, Chromosomes, Demography, Drosophila pseudoobscura, Insect genetics.

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

Genetics 59(4):543-563 REF
Aug 1968 442.8 G28
Chromosomes, Genes, Insect genetics, Polymorphism, Population, Tables (data).

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CUMULATIVE PARENTAL AGE EFFECTS IN DROSOPHILA SUBOBSCURA.
J M Wattiaux

Evolution 22(2):406-421 REF
21 Jun 1968 443.8 EV62
Demography, Drosophilidae, Fertility, Insect behavior, Insect genetics, Natural selection. English abstract

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EXPERIMENTAL DETERMINATION OF FITNESS INTERACTIONS IN DROSOPHILA MELANOGASTER BY THE METHOD OF MARGINAL POPULATIONS.
J Wilson

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

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Culicidae, Insect collecting equipment, Light traps, Time.

20484-68
OBSERVATIONS ON THE HABITS AND CONTROL OF CULEX PIPIENS FATIGANS IN GUYANA.
G J Burton

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1967 449.9 W892B
Breeding, Chemical control (insects), Culex pipiens quinquefasciatus, Filariasis, Insect behavior, Insect dissemination, Insect vectors, Insecticides, Parasitism, Sanitation, Spraying. Summary in French

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Animals, Humans, Tularemia.

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Y Guy R Bassabi

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M S Mulla

World Health Organ Bull 37(2):311-315 REF
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Biological control (insects), Chemical control (insects), Culex pipiens quinquefasciatus, Insecticide

residues, Larvicides, Mammals, Sanitation, Toxicology. Summary in English

20489-68
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M Privora V Rupes A Cupalova

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

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1967 449.9 W892B
Epidemiology, Humans, Larvicides, Onchocerciasis, Parasitism, Simulium naevi, Time. Summary in French

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W A Skinner H Tong H Johnson H Maibach D Skidmore

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20493-68
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Biochemistry, Chlorophenols, Herbicides, Phenol compounds, Plant growth inhibitors, Rice, Roots, Toxicity.

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 Biological control (pests), Entomology, Literature.
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 Adenine nucleotides, Biochemistry, Centrifugation, Cotton, Enzymes, Herbicides, Leaves, Monuron, Nicotinamide, Oxidases.
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 P J Godin T A King E Stahl J Pffilic
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THE ECOLOGICAL RELATIONSHIP OF FUSARIUM MONILIFORME TO PRATYLENCHUS SCRIBNERI IN SEEDLING BLIGHT OF CORN. (ABSTRACT).
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 Corn, Ecology, Fungus diseases (plants), Fusarium moniliforme, Pratylenchus scribneri, Seedling blight (corn).
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 Aspergillus nidulans, Biotin, Fatty acids, Lipids, Metabolism, Mitochondria, Molds, Research.
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 Host indexing (plants), Phytopathology, Plant disease resistance, Plant disease transmission, Research, Taxonomy, Virus diseases (plants), Viruses.
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 Assay, Cells, Chick embryos, Culture media, Research, Rous sarcoma virus, Time, Tissues, Virus diseases (animals).
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 Cucumbers, Mosaic (tobacco), Serological tests, Tobacco, Virus diseases (plants), Virus 3 (cucumbers), Virus 4 (cucumbers).
- 20518-68**
GROWTH OF LISTERIA MONOCYTOGENES IN CORN SILAGE EXTRACT MEDIUM.
 D C Blendon G A Gates M S Khan
Amer J Vet Res 29(11):2237-2242 REF
 Nov 1968 41.8 AM3A
 Corn, Hydrogen-ion concentration, Listeria monocytogenes, Morphology, Physiology, Plant diseases, Silage.
- 20519-68**
TOBACCO LEAF VEINS AS SOURCES OF A CUCUMBER MOSAIC VIRUS FOR APHIDS.
 R H E Bradley
Virology 34(1):172-173
 Jan 1968 448.8 V81
 Aphididae, Cucumbers, Insect vectors, Mosaic (cucumbers), Tobacco, Veins, Virus diseases plants.
- 20520-68**
BANANA DISEASES IN THE PACIFIC AREA.
 I W Buddenhagen
Fao Plant Protect Bull 16(2):17-31 REF
 Apr 1968 421 P692
 Bacterial wilt (bananas), Bunchy top (bananas), Fusarium, Panama disease (bananas), Plant diseases, Plant nutritional deficiencies, Radopholus similis, Sigatoka (bananas).
- 20521-68**
OUTBREAKS AND NEW RECORDS.

S B Chattopadhyay N Mukhopadhyay

Fao Plant Protect Bull 16(3):52

Jun 1968 421 P692

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

20522-68

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

T W Childs

8P

1968

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

20523-68

A BIBLIOGRAPHY OF LISTS OF PLANT DISEASES AND FUNGI. I. AFRICA.

Rev Appl Mycol 47(11):553-558

Nov 1968 405 R328

Bibliography, Fungi, Plant diseases, Zoogeography.

20524-68

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

C E Dean

Fla Agr Exp Sta Circ S-11 P.

Jul 1968 100 F66C1

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

20525-68

ALTERNARIA BRASSICAE.

M B Ellis

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

1968 462.7 C73

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

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

20526-68

ALTERNARIA CHRYSANTHEMI.

M B Ellis

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

1968 462.7 C73

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

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

20527-68

ALTERNARIA BRASSICICOLA.

M B Ellis

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

1968 462.7 C73

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

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

20528-68

PERICONIA CIRCINATA.

M B Ellis

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

1968 462.7 C73

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

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

20529-68

PERICONIA MACROSPINOSA.

M B Ellis

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

1968 462.7 C73

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

Description of a non-pathogenic fungus often confused with *periconia circinata*, its geographical distribution and etiology.

20530-68

EXPERIMENTS ON THE QUANTITY OF SPRAYFLUID IN PREVENTIVE SPRAYING AGAINST LATE BLIGHT. (SW)

B Emilsson

Swed Stat Vaxtskyddsanst Medd 13(111):405-420

1967 464.9 SW3M

Fungus diseases (plants), Late blight (potatoes), *Phytophthora infestans*, Potatoes, Spraying, Volumetric analysis. English summary

20531-68

MUTATION IN THANATEPHORUS CUCUMERIS.

N T Flentje H M Stretton A R McKenzie

Australian J Biol Sci 10(6):1173-1180 REF

Dec 1967 442.8 AU72

Antirrhinum majus, Autoradiography, Calcium, Culture media, Fungi, Injections, Lethal factor, Mutation, Plant diseases, Plant genetics, Plant nutrition, Radioactive tracers, Subterranean clover, *Thanatephorus cucumeris*, Ultraviolet rays.

20532-68

RESEARCH ON THE INTERACTIONS OF COLLETOTRICHUM COCCODES (WALLR.) HUGHES AND ITS PRINCIPLE HOSTS: SOLANUM TUBEROSUM L. AND LYCOPERSICON ESCULENTUM L. (FR)

P Forlot

Phytopathol Z 59(3):249-266 REF

Jul 1967 464.8 P562

Colletotrichum coccodes, Fungus diseases (plants), Potatoes, Research, Tomatoes, Wilt (potatoes), Wilt (tomatoes). English and German summaries

20533-68

GREENING VIRUS, THE LIKELY CAUSE OF CITRUS DIEBACK IN INDIA.

L R Fraser D Singh S P Capoor T K Nariani

Fao Plant Protect Bull 14(6):127-130

Dec 1966 421 P692

Biological transport, Citrus, Dieback (citrus), Insect vectors, Tree diseases, Trees, Tristeza (citrus), Virus diseases (plants).

20534-68

PROPERTIES OF A PLANT VIRUS-INDUCED RNA POLYMERASE IN CUCUMBERS INFECTED WITH CUCUMBER MOSAIC VIRUS.

J M Gilliland R H Symons

Virology 36(2):232-240 REF

Oct 1968 448.8 V81

Assay, Enzymes, Mosaic (cucumbers), Polymers, Ribonucleic acid, Tables (data), Virus diseases (plants), Yeasts.

20535-68

MYCOPLASMA: SUSPECTED ETIOLOGIC AGENT OF CORN STUNT.

R R Granados K Maramoroseh E Shikata

Nat Acad Sci Proc 60(3):841-844 REF

Jul 1968 500 N210P

Cicadellidae, Corn, Insect vectors, Mycoplasma, Plant disease transmission.

Abstract

20536-68

DEVELOPMENT OF YOUNG PEAR TREES WITH DIFFERENT ROOTSTOCKS IN RELATION TO PSYLLA INFESTATION, PEAR DECLINE, AND LEAF CURL.

W H Griggs D D Jensen B T Iwakiri

Hilgardia 39(7):153-204 REF

May 1968 100 C12H

Crop yields, Leaf curl (peaches), Pears, Plant hardiness, Plant physiology, *Psylla pyricola*, Research, Roots, Virus diseases (plants).

20537-68

IN SITU ALKALINE DEGRADATION OF TURNIP YELLOW MOSAIC VIRUS RNA: A COMPARATIVE ANALYSIS.

J E Halperin J M Kaper

Virology 33(4):760-763

Dec 1967 448.8 V81

Hydrogen-ion concentration, Ribonucleic acid, Sedimentation, Virus diseases (plants), Yellow mosaic (turnips).

20538-68

THE ROLE OF TEMPERATURE IN THE DEVELOPMENT OF BLUE MOULD (PERONOSPORA TABACINA ADAM.) DISEASE IN TOBACCO SEEDLINGS. III. THE EFFECT OF PRE-INOCULATION TEMPERATURE AND OF SHADE ON PLANT GROWTH AND DISEASE DEVELOPMENT.

A V Hill S Green

Australian J Agr Res 19(5):759-766

Sep 1968 23 AU783

Injections, *Peronospora tabacina*, Physiology, Research, Seedlings, Temperature, Tobacco.

20539-68

GREEN ROSETTE VIRUS OF GROUNDNUTS IN SOUTH AFRICA.

P J Klesser

S Afr J Agr Sci 11(1):77-86 REF

Mar 1968 24 SU3

Aphis craccivora, Insect vectors, Peanuts, Plant grafting, Rosette (peanuts), Virus diseases (plants), French, Afrikaans and English abstract

20540-68

ON THE NORMAL TISSUE TRANSFORMATION OF SCORSONERA IN VITRO CAUSED BY AGROBACTERIUM TUMEFACIENS DNA. (fr)

A Kovoov

Acad Sci Compt Rend Ser D Sci Nat 265(21):1623-1626

20 Nov 1967 505 P21

Agrobacterium tumefaciens, Bacterial diseases (plants), Crown galls, Deoxyribonucleic acid, Plant biochemistry, *Scorzonera*, Tissues.

20541-68

A STRAIN OF NICOTIANA EXIGUA WHICH BY THE COTYLEDONES TEST PROVED TO BE ESPECIALLY RESISTANT TO PERONOSPORA TABACINA (DOWNY MILDEW). (GE)

R Krexner

Pflanzenschutzberichte 37(113):15-17

Feb 1968 464.9 P48

Downy mildew (tobacco), *Peronospora tabacina*, Plant disease resistance, Research, Tobacco. English summary

20542-68

THE VIRUSES IN POTATO FIELDS; A STUDY ABOUT POSSIBILITIES FOR BASIC SEED POTATO GROWING IN SLOVENIA AND GORSKI KOTAR. SB736.0K8. (sl)

Milos Kus

115 P. REF

Jul 1966

Aphididae, Chemical control (plant diseases), Crop yields, Field crops, Insect vectors, Plant physiology, Potatoes, Research, Seedlings, Virus diseases (plants). English summary

20543-68

CHEMOTAXONOMIC AND ULTRASTRUCTURAL STUDIES ON THREE SPECIES OF TILLETIA OCCURRING ON WHEAT.

J L Laseter W M Hess J D Weete D L Stocks D J Weber

Can J Microbiol 14(10):1149-1154 REF

Oct 1968 448.8 C162

Anatomy, Electron microscopy, Fungus diseases (plants), Morphology, Research, Taxonomy, *Tilletia caries*, *Tilletia controversa*, *Tilletia foetida*, Wheat.

- 20544-68**
BORAX INHIBITION OF CYANOGENESIS IN SNOW MOLD OF ALFALFA.
 J B Lebeau T G Atkinson
Phytopathology 57(8):863-865 REF
 Aug 1967 464.8 P56
 Alfalfa, Basidiomycetes, Borax, Enzymes, Fungus diseases (plants), Hydrocyanic acid, Plant biochemistry, Snow mold (alfalfa).
 Abstract: Sprayed plants inoculated with snow mold did not accumulate toxic amounts of HCN in their crown buds. Hydrolysis of amygdalin by an enzyme preparation from the fungus was not inhibited by borax. Borax inhibited the formation of HCN by a normally cyanogenic isolate of the fungus.
- 20545-68**
VARIATION IN DECAY SUSCEPTIBILITY OF SAPWOOD WITH SEASON OF CUTTING. (ABSTRACT).
 M P Levi E B Cowling
Phytopathology 57(8):818
 Aug 1967 464.8 P56
 Cambium, Lenizites trabea, Nitrogen, Polyporus versicolor, Quercus falcata, Rot, Wood decay, Wood destroying fungi.
- 20546-68**
SOME PLANT GALLS FROM INDIA.
 M S Mani
Marcellia 34(3):191-201
 Dec 1967 421 M33
 Cecidomyiidae, Plant diseases, Plant galls, Plant physiology.
- 20547-68**
PASSIVE SURVIVAL OF ENDOCONIDIA AND CHLAMYDOSPORES OF THIELAVIOPSIS BASICOLA IN SOIL. (ABSTRACT).
 C A Martinson
Phytopathology 57(8):821
 Aug 1967 464.8 P56
 Fungus diseases (plants), Longevity, Plant physiology, Soils, Thielaviopsis basicola.
- 20548-68**
ANALYSES OF SOME EPIDEMICS OF FOREST TREE DISEASES. (ABSTRACT).
 W Merrill
Phytopathology 57(8):822
 Aug 1967 464.8 P56
 Epidemiology, Forests, Trees.
- 20549-68**
THE PROTEIN SUBUNIT OF POTATO VIRUS X.
 T Miki C A Knight
Virology 36(2):168-173 REF
 Oct 1968 448.8 V81
 Chromatography, Electrophoresis, Peptides, Proteins, Sedimentation, Virus diseases (plants), Virus x (potatoes).
- 20550-68**
PLANT PATHOLOGY. GENERAL. PLANT DISEASE INFORMATION.
Jamaica Min Agr Lands Bull (N s 62):44-72
 1962 80J2270B
 Catalogs, Plant diseases.
- 20551-68**
PLANT PEST INFORMATION. PESTS OF CROPS.
Jamaica Min Agr Lands Bull (N s 62):14-20
 1962 80J2270B
 Catalogs, Crops, Plant diseases, Plant pest control.
- 20552-68**
MULTIPLICATION OF TOBACCO MOSAIC VIRUS IN SUSPENSION CULTURE OF TOBACCO CELLS.
 F Motoyoshi N Oshima
Jap J Microbiol 12(3):317-320
 Sep 1968 448.8 J273
 Mosaic (tobacco), Reproduction, Tissue culture, Tobacco. English abstract
- 20553-68**
FUNGICIDAL ACTIVITY IN SOIL IN RELATION TO TIME, CONCENTRATION, AND PENICILLIUM POPULATION. (ABSTRACT).
 D E Munnecke B J Moore
Phytopathology 57(8):823
 Aug 1967 464.8 P56
 Cyano(methylmercuri)guanidin, Dosage, Fungicides, Fungus diseases (plants), Penicillium, Soils, Time.
- 20554-68**
PEROXIDASE ISOZYMES IN VIRUS-INFECTED TOBACCO AND COWPEA. (ABSTRACT).
 A Novaeky R E Hampton
Phytopathology 57(8):824
 Aug 1967 464.8 P56
 Cowpeas, Enzymes, Mosaic (cowpeas), Mosaic (tobacco), Peroxidases, Ring spot (cowpeas), Streak (tobacco), Tobacco, Virus diseases (plants).
- 20555-68**
PREVENTIVE SPRAYING AGAINST POTATO BLIGHT. FIELD TRIALS 1954 - 1959. (SW)
 B Olofsson
Swed Stat Vaxtskyddsanst Medd 13(111):385-403
 1967 464.9 SW3M
 Blight, Fungicides, Fungus diseases (plants), Late blight (potatoes), Spraying, Time. English summary
- 20556-68**
EFFECT OF CONTAINER CHARACTERISTICS ON VARIABILITY OF SOIL TEMPERATURES AND DISEASE REACTION IN THE GREENHOUSE. (ABSTRACT).
 S A Ostazeski
Phytopathology 57(8):824
 Aug 1967 464.8 P56
 Birdfoot trefoil, Containers, Mycoleptodiscus terrestris, Plant diseases, Soil temperature.
- 20557-68**
NEW TYPE OF NUCLEAR LIFE CYCLE IN HEMILEIA VASTATRIX.
 R B Rajendren
Nature 213(5071):105
 07 Jan 1967 472 N21
 Coffee, Fungus diseases (plants), Hemileia vastatrix, Life cycle, Meiosis, Rust (coffee), Seed germination.
- 20558-68**
THE EFFECT OF CAPTAN AND CYCLOHEXIMIDE ON THE GROWTH AND CARBON DIOXIDE EXCHANGE OF ULMUS AMERICANA. (ABSTRACT).
 B R Roberts R J Stipes
Phytopathology 57(8):827
 Aug 1967 464.8 P56
 Antibiotics, Captan, Cycloheximide, Dieback (ulmus), Fungicides, Fungus diseases (plants), Plant physiology, Ulmus americana.
- 20559-68**
AN EPIPHYTIC OF SEEDLING BLIGHT CAUSED BY HELMINTHOSPORIUM SATIVUM IN RYE CROPS IN ARGENTINA. (SP)
 A A Sarasola M A Rocca de Sarasola
(SER) 5(4):31-52 REF
 1968
 Chemical control (plant diseases), Fungus diseases (plants), Helminthosporium sativum, Rye. English and spanish abstracts
- 20560-68**
PARTICLE STRUCTURE AND CONCENTRATION OF BROMEGRASS MOSAIC VIRUS IN THIN SECTIONS OF BARLEY (MORDEUM VULGARE L.). (GE)
 H B Schmidt
Phytopathol Z 59(3):297-300
 Jul 1967 464.8 P562
 Barley, Cells, Mosaic (bromus), Plant anatomy, Virus diseases (plants). English summary
- 20561-68**
PHLOEM NECROSIS ASSOCIATED WITH THE GREENING DISEASE OF SWEET ORANGE (CITRUS SINENSIS). (ABSTRACT).
 H Schneider
Phytopathology 57(8):829
 Aug 1967 464.8 P56
 Greening disease (oranges), Insect vectors, Oranges, Phloem, Plant disease transmission, Virus diseases (plants).
- 20562-68**
SURVIVAL OF BEAN BACTERIAL PATHOGENS IN THE FIELD AND GREENHOUSE UNDER DIFFERENT ENVIRONMENTAL CONDITIONS. (ABSTRACT).
 M L Schuster
Phytopathology 57(8):830
 Aug 1967 464.8 P56
 Agronomy, Bacterial diseases (plants), Beans, Corynebacterium, Environment, Greenhouse culture, Pseudomonas, Straw, Xanthomonas.
- 20563-68**
SEROLOGICAL BEHAVIOR OF CUCUMBER MOSAIC VIRUS (STRAIN Y) AND THE VIRUS PROTEIN.
 H A Scott
Virology 34(1):79-90 REF
 Jan 1968 448.8 V81
 Cucumbers, Mosaic (cucumbers), Proteins, Serological tests, Virus diseases plants.
- 20564-68**
RNA SYNTHESIS IN CELL-FREE EXTRACTS OF BARLEY LEAVES INFECTED WITH BROMEGRASS MOSAIC VIRUS.
 J Semal R I Hamilton
Virology 36(2):293-302 REF
 Oct 1968 448.8 V81
 Barley, Cells, Centrifugation, Leaves, Metabolism, Mosaic (bromus), Plant extracts, Research, Ribonucleic acid, Virus diseases (plants).
- 20565-68**
EXOCORTIS VIRUS OF CITRUS: ASSOCIATION OF INFECTIVITY WITH NUCLEIC ACID PREPARATIONS.
 J S Semancik L G Weathers
Virology 36(2):326-328
 Oct 1968 448.8 V81
 Exocortis (citrus), Extracts, Injections, Nucleic acids, Petunia, Phenols, Plant disease transmission, Virus diseases (plants).
- 20566-68**
ENHANCEMENT OF TOBACCO RATTLE VIRUS STABLE FORM INFECTION BY HETEROLOGOUS SHORT PARTICLES.
 J S Semancik M R Kajiyama
Virology 34(1):170-172
 Jan 1968 448.8 V81
 Plant disease resistance, Rattle disease (tobacco), Tobacco, Virus diseases plants.
- 20567-68**
THE LIFE CYCLE OF TRISSETACUS KIRGHISORUM V. SHEV. (ACARINA, TETRAPODIL)-THE PESTS OF JUNIPERUS SEMIGLOBOSA RGL. (RUS)
 V G Sheuchenko De Millo
Leningr Univ Vestnik Ser Biol 00(3):60-67
 1968 442.9 L542V
 Biology, Ecology, Juniperus, Mites, Trisetacus kirghisorum.
 English and russian abstracts.
- 20568-68**
EFFECT OF CLIPPING FREQUENCY ON ROOT ROT OF RED CLOVER. (ABSTRACT).
 W M Siddiqui P M Halisky
Phytopathology 58(6):731
 Jun 1968 464.8 P56
 Fungus diseases (plants), Fusarium, Mowing, Red clover, Root rot (red clover), Soil-borne plant diseases.

20569-68
DISEASES OF GREENHOUSE PLANTS, 1967. (SW)
W Sodergren
Swed Stat Vaxtskyddsanst Vaxtskyddsnotiser 32(2):31-34
1968 464.9 SW3V
Greenhouse culture, Ornamental plants, Plant diseases, Vegetables.

20570-68
INHIBITION OF XANTHOMONAS VESICATORIA IN EXTRACTS FROM INOCULATED LEAVES OF BACTERIAL SPOT-RESISTANT PEPPER. (ABSTRACT).

R I Stall A A Cook
Phytopathology 57(8):832
Aug 1967 464.8 P56
Bacterial diseases (plants), Bacterial spot (redpeppers), Bush redpeppers (vegetable), Leaves, Plant disease resistance, Plant extracts, Xanthomonas vesicatoria.

20571-68
A RAPID TEST FOR AN ANTIFUNGAL SUBSTANCE PRODUCED BY A WOOD-INHABITING FUNGUS IN CULTURE.

M A Stillwell W A Hodgson
Can J Microbiol 14(7):807-808
Jul 1968 448.8 C162
Culture media, Fungus diseases (plants), Late blight (potatoes), Research, Seed germination, Wood.

20572-68
THE RELATIONSHIP BETWEEN SUGARCANE MOSAIC VIRUS AND MOSAIC VIRUSES OF MAIZE AND JOHNSON GRASS IN AUSTRALIA.

R H Taylor R D Pares
Australian J Agr Res 19(5):767-773
Sep 1968 23 AU783
Crop yields, Dwarf disease (corn), Mosaic (sugarcane), Research, Serological tests, Sorghum halepense, Virus diseases (plants).

20573-68
EFFECTS OF STRAINS OF ASTER YELLOW VIRUS ON VASCULAR STRUCTURE AND FUNCTION IN NICOTIANA RUSTICA. (ABSTRACT).

W P Ting A H Gold
Phytopathology 57(8):833-834
Aug 1967 464.8 P56
Aster yellows (aztec tobacco), Aztec tobacco, Plant morphology, Plant physiology, Vascular system (plants), Virus diseases (plants).

20574-68
STUDIES ON THE OUTBREAK OF THE SOFT ROT DISEASE OF CHINESE CABBAGE BY ERWINIA AROIDEAE (TOWNS.) HOLL. IV. THE EFFECT OF THE SEEDING TIME OF CHINESE CABBAGE UPON THE ESTABLISHMENT OF INOCULUM SOURCE OF THE SOFT ROT DISEASE OF CHINESE CABBAGE IN SOIL.

J Togashi M Sakamoto
Tohoku Univ Inst Agr Res Sci Rep Ser D Agr (SER D) 19:25-36 REF
1968 22.5 T81
Bacterial diseases (plants), Bacterial soft rot (cabbage), Chinese cabbage, Enterobacteriaceae, Planting date, Soil bacteria, Temperature. English abstract

20575-68
COMPARISON OF CHLOROPLASTS IN MAIZE DWARF MOSAIC VIRUSINFECTED AND HEALTHY CORN, SORGHUM, AND JOHNSON GRASS. (ABSTRACT).

J C Tu R E Ford C J Krass
Phytopathology 57(8):834
Aug 1967 464.8 P56
Chlorophylls, Chloroplasts, Corn, Dwarf mosaic (corn), Dwarf mosaic (Sorghum halepense), Dwarf mosaic (sorghum), Sorghum, Sorghum halepense, Virus diseases (plants).

20576-68
POD ROT OF COCOA IN MALAYSIA CAUSED BY PHYTOPHTHORA HEVEAE.

P D Turner
Fao Plant Protect Bull 16(2):33-34
Apr 1968 421 P692
Climate, Cocoa, Culture media, Fungus diseases (plants), Phytophthora heveae, Phytophthora palmivora, Research, Surveys.

20577-68
THE SENSITIVITY OF SOIL FUNGI AGAINST HERBICIDES. (GE)

E Valaskova
Pflanzenschutzberichte 38(10-11):135-146
Aug 1968 464.9 P48
Biochemistry, Fungus diseases (plants), Fusarium oxysporum, Hericides, Morphology, Pythium, Soil fungi. Speech given at 6th International Congress, Plant Protection, Vienna, 1967. english summary

20578-68
INHIBITION OF TOBACCO NECROSIS VIRUS BY GUANIDE CARBONATE.

J P Varma
Virology 36(2):305-308 REF
Oct 1968 448.8 V81
Biochemistry, Carbonates, Chemical control (plant diseases), Guanidine, Kidney beans, Necrosis, Tables (data), Tobacco, Virus diseases (plants).

20579-68
ENHANCEMENT OF INFECTIVITY BY COMBINATION OF TWO RIBONUCLEIC ACID COMPONENTS FROM ALFALFA MOSAIC VIRUS.

L V Vloten-Doting E M J Jaspars
Virology 33(4):684-693 REF
Dec 1967 448.8 V81
Centrifugation, Culture media, Extracts, Mosaic (alfalfa), Ribonucleic acid, Sterilization, Virus diseases (plants).

20580-68
THE REACTIONS OF VARIOUS PLANT SPECIES TO LEAF INFECTION WITH POTATO VIRUSES S. AND M. (GE)

M Vulic W Hunnius
Phytopathol Z 59(3):225-248 REF
Jul 1967 464.8 P562
Leaves, Plants, Virus diseases (plants), Virus m (potatoes), Virus s (potatoes). English summary

20581-68
FINE STRUCTURE OF INCLUSIONS FORMED BY THE AUCUBA STRAIN OF TOBACCO MOSAIC VIRUS.

H E Warmke
Virology 34(1):149-159 REF
Jan 1968 448.8 V81
Aucuba mosaic (tobacco), Cytology, Inclusion bodies, Tobacco, Virus diseases (plants).

Abstract: Aggregates formed by the aucuba strain of tobacco mosaic virus were studied in ultrasections of systemically infected Turkish tobacco plants. Three kinds of aggregates were observed in the cytoplasm of infected cells. The first two already are known; the third, angled layer aggregates, appears to be a new form of viral association.

20582-68
SEROLOGICAL STUDIES ON BROMEGRASS MOSAIC VIRUS AND ITS PROTEIN FRAGMENTS.

M B van Wechmar M V H van Regenmortel
Virology 34(1):36-45 REF
Jan 1968 448.8 V81
Bromus, Culture media, Mosaic (bromus), Proteins, Serological tests, Virus diseases (plants).

Abstract: The serological properties of the capsids and dissociated protein subunits of bromegrass mosaic virus have been compared by immunodiffusion tests.

20583-68
VERTICILLIUM WILT OF TOBACCO. V. VARIETAL SCREENING FOR RESISTANCE TO VERTICILLIUM DAIILLIAE KLEB., AND MODE OF INHERITANCE OF RESISTANCE.

D S C Wright
New Zeal J Agr Res 11(3):655-664 REF
Aug 1968 23 N4892
Fungus diseases (plants), Plant disease resistance, Plant genetics, Tobacco, Verticillium dahliae, Wilt (tobacco). English abstract

20584-68
A DEFINED METHOD FOR THE LABORATORY STUDY OF RED STELE OF STRAWBERRIES. (ABSTRACT).

W K Wynn
Phytopathology 57(8):837
Aug 1967 464.8 P56
Culture media, Fungus diseases (plants), Phytophthora fragariae, Plant disease resistance, Red stele (strawberries), Strawberries.

20585-68
VI: A NEW OIDIUM GATHERED IN TAIWAN (FORMOSA) ON CARICA PAPAYA: OIDIUM CARICAE-PAPAYAE YEN (N. SP.). (FR)

J Yen
Rev Mycol 31(4):311-316
1966 450 AN74
Fungus diseases (plants), Oidium, Papayas, Parasitism, Taxonomy.

20586-68
A STUDY OF THE FUNGUS PARASITES OF SOUTHEAST ASIA. V. NOTE ON SOME MALAYSIAN SPECIES OF OIDIUM. (FR)

J Yen
Rev Mycol 31(4):281-310 REF
1966 450 AN74
Fungi, Fungus diseases (plants), Oidium, Parasitism, Plants, Research.

ARTHROPODS

20587-68
CONTROL OF THE LEAF-CUTTING ANT, ATTA CAPIGUARA, GONALALVES, 1944--A PASTURE PEST, WITH ANT-KILLERS: DUSTS, LIQUIFIED GASES, POWDERED AND PELLETED BAITS. (POR)

E Amante
Biologico 34(7):14-158 REF
Jul 1968 442.8 B529
Atta, Baits, Chemical control (insects), Dusting, Formicidae, Liquefied gases, Methodology, Pasture management. English abstract

20588-68
COMPARISON BETWEEN ADLRIN AND MIREX AS PRINCIPLE INGREDIENTS OF PELLETED BAIT IN CONTROL OF THE LEAF-CUTTING ANT: ATTA SEXDENS RUBROPILOSA FOREL, 1908 AND ATTA LAEVIGATA (F. SMITH, 1858) HYMENOPTERA, FORMICIDAE. (POR)

E Amante
Biologico 34(7):168-171 REF
Jul 1968 442.8 B529
Aldrin, Atta, Baits, Chemical control (insects), Formicidae, Mirex. English abstract

20589-68
THE OCCURENCE OF FRIT FLIES (DIPTERA, CHLOROPIDAE) IN CEREAL CROPS IN SWEDEN 1961-1963. (SW)

H Andersson
Swed Stat Vaxtskyddsanst Medd 14(115):1-27
1967 464.9 SW3M
Chloropidae, Diptera, Field crops, Grain, Insect outbreaks, Oscinella frit, Surveys, Time. English summary

20590-68
BANANAS: PESTS AND DISEASES.
Anonymous

- Agr Vet Chem* 9(2):51-53
Mar 1968 382 AG82
Bananas, Chemical control (insects), Geography, Insect pests, Pesticides, Plant diseases, Spraying.
- 20591-68**
RYE: PESTS AND DISEASES.
Anonymous
Agr Vet Chem 9(2):44
Mar 1968 382 AG82
Geography, Pest control, Pesticides, Plant diseases, Rye, Spraying.
- 20592-68**
BARLEY: PESTS AND DISEASES.
Anonymous
Agr Vet Chem 9(2):42-43
Mar 1968 382 AG82
Barley, Chemical control (pests), Geography, Spraying.
- 20593-68**
OATS: PESTS AND DISEASES.
Anonymous
Agr Vet Chem 9(2):40-41
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Chemical control (pests), Geography, Oats, Plant diseases, Spraying.
- 20594-68**
CEREALS: PESTS AND DISEASES.
Anonymous
Agr Vet Chem 9(2):45-48
Mar 1968 382 AG82
Crop yields, Geography, Grain, Plant diseases, Spraying.
- 20595-68**
ALFALFA, CLOVER AND GRASS: PESTS AND DISEASES.
Anonymous
Agr Vet Chem 9(2):49-51
Mar 1968 382 AG82
Alfalfa, Chemical control (pests), Clover, Crop yields, Geography, Grasses, Spraying.
- 20596-68**
PLANT-HERBIVORE COEVOLUTION: LUPINES AND LYCAENIDS.
D E Breedlove P R Ehrlich
Science 162(3854):671-672
08 Nov 1968 470 SC12
Evolution, Larvae, Lupine, Lycaenidae, Population, Predaceous insects, Research, Seedlings.
- 20597-68**
FOREIGN INSECTS THREATENING ONTARIO AGRICULTURE AND FORESTRY.
G S Brown
Entomol Soc Ontario Proc 96:11-13
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Agriculture, Foreign trade, Forestry, Insect pests.
- 20598-68**
GUIDE LINES FOR THE TESTING OF MATERIALS ON FALLOW FLIES. (GE)
C Buhl R Sol
Berlin Biol Bundesanst Land-forstwirtschaftl Mitt (3):1-7
1968 410.9 G31M
Chemical control (insects), Chloropidae, Diptera, Insecticides, Maggots, *Meromyza americana*, Methodology.
- 20599-68**
EFFECT OF MANAGEMENT SYSTEM ON THE GROWTH OF LAMBS AND DEVELOPMENT OF INTERNAL PARASITISM. II. FIELD TRIALS INVOLVING MEDICATION WITH NATIONAL PHENOLARY AND PURIFIED GRADES OF FENUTHIAZINE.
M L Colglazier I L Lindahl J H Turner G I Wilson G E Whitmore
J Parasitol 54(1):89-97
Feb 1968 448.8 J824
Grazing, Haemonchus, Insect control, Lambs, Mortality, Parasitism, Phenothiazine, Physiology, Research.
- 20600-68**
GUIDE LINES FOR THE TESTING OF MATERIALS ON ONION FLIES ON ONIONS. (GE)
G Cruger E Mosebach
Berlin Biol Bundesanst Land-forstwirtschaftl Mitt (3):1-7
1968 410.9 G31M
Anthomyiidae, Chemical control (insects), Diptera, Insecticides, Methodology, Onions.
- 20601-68**
GUIDE LINES FOR THE TESTING OF INSECTICIDES ON CABBAGE FLIES IN CABBAGE. (GE)
G Cruger A Kemper H Umgelner
Berlin Biol Bundesanst Land-forstwirtschaftl Mitt (3):1-7
1968 410.9 G31M
Anthomyiidae, Cabbage, Chemical control (insects), Diptera, Insecticides, Methodology.
- 20602-68**
THE PHYTONOME OF ALFALFA HYPERA VARIABILIS HERBST. (COLEOPTERA, CURCULIONIDAE) IN SOUTHWEST FRANCE. (FR)
K El M'Sadda
Rev Zool Agr Appl 66(1-3,1ST TRIMESTER):1-15 REF
1967 410.9 SO12
Alfalfa, Biological control (insects), Cultural control (insects), Curculionidae, Hypera, Insect biology, Franch abstract
- 20603-68**
GUIDE LINES FOR THE OFFICIAL TESTING OF PLANT-PROTECTION MATERIALS ON WIRE-WORMS. (GE)
E Gersdorf H Maercks P Steiner
Berlin Biol Bundesanst Land-forstwirtschaftl Mitt (3):1-13
1968 410.9 G31M
Biological assay, Chemical control (insects), Coleoptera, Elateridae, Insecticides, Methodology.
- 20604-68**
GUIDE LINES FOR THE TESTING OF MATERIALS ON BEET HEMIPTERA. (GE)
E Gersdorf
Berlin Biol Bundesanst Land-forstwirtschaftl Mitt (3):1-6
1968 410.9 G31M
Beets, Chemical control (insects), Hemiptera, Insecticides, Methodology.
- 20605-68**
INSECTS ATTACKING AGRICULTURAL CROPS AND ORNAMENTAL PLANTS IN ONTARIO IN 1965.
H W Goble
Entomol Soc Ontario Proc 96:5-6
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Field crops, Insect pests, Ornamental plants, Plant injuries, Time.
- 20606-68**
HEAT INACTIVATION AND INTERACTIONS OF FOUR ASTER YELLOW VIRUS STRAINS IN THEIR VECTOR, MACROSTELAS FASCIFRONS (STAL).
R R Granados R K Chapman
Virology 36(3:333-342 REF
Nov 1968 448.8 V81
Aster yellows (celery), Heat, Insect vectors, Macrosteles fascifrons, Research, Virus diseases (plants).
- 20607-68**
STUDIES ON THE RELATIONSHIP OF COWPEA MOSAIC VIRUS AND ITS VECTOR APHIS CRACCIVORA KOCH.
S Q Haque V V Chenulu
Phytopathol Z 59(3):277-284
Jul 1967 464.8 P562
Aphis craccivora, Cowpeas, Insect vectors, Mosaic (cowpeas), Research, Stylets, Virus diseases (plants). German summary
- 20608-68**
THE STATUS OF APPLE LEAF ROLLERS IN NORFOLK COUNTY, ONTARIO.
A Hikichi
Entomol Soc Ontario Proc 94:38-40
Sep 1963 420 ON8
Apples, *Argyrotaenia velutinana*, Insect control, Insect identification, Research, Traps.
- 20609-68**
GUIDE LINES FOR THE TESTING OF MATERIALS ON SPIDER MITES IN VEGETABLE BEDS. (GE)
A Kemper G Cruger G Weigand
Berlin Biol Bundesanst Land-forstwirtschaftl Mitt (3):1-8
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Acarina, Chemical control (insects), Insecticides, Methodology, Tetranychidae, Vegetables.
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T H King
Fao Plant Protect Bull 16(3):41-44
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Bacterial diseases (plants), Biochemistry, Chemical control (insects), Chemical control (plant diseases), Fungus diseases (plants), Insect pests, Insecticides, Nematodes, Plant diseases, Rice, Virus diseases (plants).
- 20611-68**
FOUR-LAYERED MEMBRANE IN THE PLASTIDS OF GALLS OF CUSCUTA AUSTRALIS.
G Laudi
Experientia 24(7):729
15 Jul 1968 475 EX7
Curculionidae, *Cuscuta*, Plant diseases, Plant galls, Plant histology, Plastids. Italian abstract
- 20612-68**
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D Leatherdale
Marcellia 34(3):231-250
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Cecidomyiidae, Insect pests, Literature.
- 20613-68**
THE EUROPEAN PINE SAWFLY, NEODIPRION SERTIFER (GEOFF.) HYMENOPTERA: DIPRIONIDAE, A REVIEW WITH EMPHASIS ON STUDIES IN ONTARIO.
L. A Lyons
Entomol Soc Ontario Proc 94:5-37 REF
Sep 1963 420 ON8
Biological control (insects), Biology, Chemical control (insects), Demography, Feeding, Insect dissemination, Insect histology, Insect morphology, Neodiprion sertifer, Plant injuries.
- 20614-68**
PREVALENCE OF TRICHINELLA SPIRALIS IN WILD ANIMALS ON TWO ILLINOIS SWINE FARMS.
R J Martin P R Schnurrenberger F L Anderson C K Hsu
J Parasitol 54(1):108-111
Feb 1968 448.8 J824
Feeding, Mice, Rats, Research, Swine, *Trichinella spiralis*, Wildlife.
- 20615-68**
SURVEY OF INSECT PESTS AND PLANT DISEASES OF SELECTED FOOD CROPS OF MEXICO, CENTRAL AMERICA, AND PANAMA.
J U McGuire B S Crandall
2:157P.
Oct 1967
Crop losses, Crops, Geography, Insect identification, Insect pests, Plant diseases, Surveys.

20616-68

LOW VOLUME AERIAL APPLICATIONS OF DDT TO COTTON IN CENTRAL TANZANIA 1966.

R H Parish I A D Robertson

Arusha Trop Pesticides Res Inst Misc Rep 620:12 P.

Jun 1967 423.92 G7922

Aerial spraying, Aircraft, Cotton, DDT, Insect control, Insecticides, Pesticide application, Time.

20617-68

RELATIONSHIP BETWEEN THE SEASONAL DEVELOPMENT OF THE TARNISHED PLANT BUG, *LYGUS LINEOLARIS* (BEAUV.) (HEMIPTERA: MIRIDAE) AND ITS INJURY TO PEACH FRUIT.

J H H Phillips J H De Ronde

Entomol Soc Ontario Proc 96:103-107

1965 420 ON8

Hemiptera, *Lygus lineolaris*, Peaches, Plant injuries, Rainfall, Temperature.

20618-68

INNOCULATION OF THE CECIDOMYIIDAE SHELL OF OLIGOTROPHUS REAUMURIANUS ON THE LINDEN LEAF. (FR)

O Rohfritsch

Marcellia 34(3):171-182

Dec 1967 421 M33

Anatomy, Cecidomyiidae, Humidity, Insect pests, Parasitism, Plant galls, Tilia.

20619-68

HIGHLIGHTS OF FOREST INSECT CONDITIONS IN ONTARIO IN 1965.

W L Sippell

Entomol Soc Ontario Proc 96:6-11 MAP

1965 420 ON8

Insect pests, Time, Trees.

20620-68

CONTRIBUTION ON PLANTGALLS BY OESTRIDAE. (GE)

M Skuhrava V Skuhravy

Marcellia 34(3):213-227 MAP

Dec 1967 421 M33

Insect vectors, Oestridae, Plant galls, Plant protection, Research.

20621-68

THE CONTROL OF *PACHYPASA CAPENSIS* L. (LEPIDOPTERA) WITH A VIRUS DISEASE.

L P Van Dyk J B Vermeulen

S Afr J Agr Sci 11(1):197-200

Mar 1968 24 SU3

Biological control (insects), Forest insects, Insect diseases, Lepidoptera, Spraying, Viruses.

20622-68

SOME RESULTS FROM ULTRA LOW-VOLUME SPRAYING IN AN ONTARIO APPLE ORCHARD.

W H A Wilde D E Clark B Volkens

Entomol Soc Ontario Proc 96:107-111

1965 420 ON8

Aphis pomi, Apples, *Argyrotaenia velutinana*, Chemical control (insects), Malathion, Spray volume, Spraying.

20623-68

DIFFERENCE IN FLIGHT CAPACITY BETWEEN NATURALLY OCCURRING SPRING AND SUMMER FORMS OF *MYZUS PERSICAE* (SULZ.) (HEMIPTERA: APHIDIDAE).

J A T Woodford

Nature 217(5128):583-584 REF

10 Feb 1968 472 N21

Aphididae, Epidemiology, Insect dissemination, Insect flight, Insect vectors, *Myzus persicae*, Plant disease transmission, Research, Time, Virus diseases (plants).

20624-68

PLUM CURCULIO-NONFRUIT HOSTS AND SURVIVAL (COLEOPTERA: CURCULIONIDAE).

W D Wylie

Kans Entomol Soc J 39(2):218-222

Apr 1966 420 K13

Conotrachelus nenuphar, Fruit, Larvae, Plant galls, Population statistics, Research.

NEMATODES

20625-68

SECOND-YEAR POTATO CULTURE. (DU)

Anonymous

Neth Plantenziektenkundige Dienst Ber 1714:3P

09 Jul 1968 464.9 N38

Heterodera rostochiensis, Plant nematodes, Plant pest control, Potatoes.

20626-68

PARASITOLOGICAL STUDIES IN THE PROVINCE OF GRANADA. SOIL NEMATODES PARASITIC ON PLANTS. PARASITE POPULATION OF GRANADA, THEIR QUANTITATIVE GEOGRAPHIC DISTRIBUTION AND POSSIBLE OR KNOWN ECONOMIC IMPORTANCE. (SP)

A T Jimenez D G Pozo

Rev Iberica Parasitol 27(3-4):135-172 MAP REF

Jul 1967 436.8 R32

Parasitology, Plant nematodes, Rhizosphere, Surveys, Zoogeography.

Abstract

20627-68

ECONOMICALLY IMPORTANT NEMATODES IN ONTARIO.

J L Townshend

Entomol Soc Ontario Proc 96:15-16 REF

1965 420 ON8

Agricultural economics, Plant injuries, Plant nematodes, Plant protection.

WEEDS

20628-68

THE EFFECT OF 2,4-DICHLOROPHENOXYACETIC ACID UPON THE METABOLISM AND COMPOSITION OF SOYBEAN HYPOCHOTYL MITOCHONDRIA.

R Baxter J B Hanson

Planta 82(3):246-260 REF

04 Sep 1968 450 P693

D, 2,4-, Herbicides, Mitochondria, Plant composition, Plant metabolism, Plant physiology, Soybeans. English abstract

20629-68

BIOLOGICAL CONTROL OF AQUATIC VEGETATION.

A H Chokder

Agr Pakistan 18(2):225-229

Jun 1967 22 AG832

Aquatic weeds, Biological control (weeds), Fish, Turtles. English abstract

20630-68

A NOTE ON THE ASSESSMENT OF HERBICIDE TRIALS.

J Foster

Arusha Trop Pesticides Res Inst Misc Rep 625, 6 P. REF

Aug 1967 423.92 G7922

Chemical control (weeds), Herbicides.

20631-68

HERBICIDALLY ACTIVE CYCLOALKENYL DIHYDRIC FLUOROALCOHOLS AND METHOD OF CONTROLLING WEEDS THEREWITH. PATENT 3,393,993.

E E Gilbert J O Peterson

Us Patent Office Offic Gaz 852(4):939

23 Jul 1968 156.65 OF2

Alcohols, Chemical control (weeds), Cycloalkenes, Halogen compounds, Herbicides, Patents.

20632-68

ASSESSMENT OF CROP LOSSES CAUSED BY NEMATODES IN THE UNITED STATES.

J M Good

Foo Plant Protect Bull 16(3):37-40

Jun 1968 421 P692

Assay, Crop losses, Nematodes, Plant injuries, Research, Soil fumigation, Soils.

20633-68

IOXYNIL ITS EFFECT ON WHEAT YIELD AND WEED POPULATIONS.

J v d W Jooste

S Afr J Agr Sci 11(1):17-26 REF

Mar 1968 24 SU3

Chemical control (weeds), Crop yields, Herbicides, Ioxynil, Methyl-4-chlorophenoxyacetic acid, 2-, Weeds, Wheat. French, Afrikaans and English abstract

20634-68

HERBICIDES IN THE OSIER (*SALIX VIMINALIS*) CULTURE. (GE)

W Kampe

Gesunde Pflanzen 20(1):18-20

Jan 1968 464.8 G33

Agricultural chemistry, Culture media, Herbicides, *Salix viminalis*, Weed control.

20635-68

TEST OF HERBICIDES IN PRE-PLANT AND IN PRE-EMERGENCE ON POTATO CROP. (POR)

C A L dos Lobato L Leiderman

Biologico 33(5):91-96

May 1967 442.8 B529

Bromophenyl-1-methoxy-1-methylurea, 3-(p-, Diuron, Ethyl N,N-dipropylthiolcarbamate, Herbicides, Linuron, Potatoes, Prometryne, Trifluralin, Weed control. English and Portuguese summaries

Abstract

20636-68

VEGETABLES, GENERAL INTRODUCTION, TESTING OF NEW VARIETIES.

Jamaica Min Agr Lands Bull (Ns 62):85-88

1962 80J2270B

Chemical control (weeds), Vegetables, Virus diseases (plants), Weed control.

20637-68

PENETRATION OF LINDANE INTO PLANTS OF VARIOUS PHOTOPERIODIC GROUPS AND ITS BIOLOGICAL ACTIVITY DEPENDING UPON THE LIGHT CONDITIONS.

G A Odumanova-Dunaeva

Fiziol Rast 14(2, MAR-APR):239-247 REF

Apr 1967 450 F58

Absorption (biological), Corn, Insecticides, Lindane, Peas, Photoperiodism, Plant biochemistry, Tomatoes, Wheat. Russian journal-vol. 14(2):282-291, Mar.-Apr, 1967

20638-68

CHROMOSOMAL ABERRATIONS INDUCED IN SOMATIC CELLS OF *VICIA FABA* BY PESTICIDES.

K D Wu W F Grant

Nucleus 10(1):37-46

Jun 1967 442.8 N88

Abnormalities, Broadbeans, Chromosomes, Cytogenetics, Pesticides, Toxicology. English abstract

OTHER PESTS

20639-68

CONTROL OF SUNFLOWER MOTH LARVAE AND DAMAGE TO SUNFLOWER SEEDS.

E C Carlson

Calif Agr 22(7):6-8

Jul 1968 100 C12CAG

Biology, Chemical control (insects), Homoeosoma electellum, Insecticides, Plant injuries, Research, Spraying, Sunflower seeds.

20640-68

EXPERIMENTAL INFECTION OF GNTOBIOTIC *TENEbrio MOLITOR* AND

WHITE RATS WITH HYMENOLEPIS DIMINUTA (CESTODA: CYCLOPHYLLEIDA).

B B Houser W C Burns

J Parasitol 54(1):69

Feb 1968 448.8 J824

Aging, Autopsies, Culture media, Germ-free life, Hymenolepis diminuta, Rats, Research, Tenebrio molitor.

20641-68**A TEMPERATURE STUDY OF THE OVERWINTERING SITE OF THE SHEEP BOT FLY, OESTRUS OVIS L.**

C E Rogers F W Knapp D Cook M V Crowe

J Parasitol 54(1):164-165

Feb 1968 448.8 J824

Environment, Hibernation, Oestrus ovis, Research, Temperature.

LIVESTOCK PROTECTION**20642-68****HORN FLIES ON CATTLE. HOW TO CONTROL THEM.***U S D A Leaflet* 388:8 P.

Jun 1968 1 AG840L

Cattle, Chemical control (pests), Dipping, Dusting, Equipment, Haematobia irritans, Insecticides, Morphology, Research, Spraying.

20643-68**CORYNEBACTERIUM SUIS, ISOLATED IN A CASE OF PYELONEPHRITIS IN SOWS.**

B Aaluik

Nord Veterinaermed 20(6):319-320

Jun 1968 41.8 N813

Cystitis, Pyelonephritis, Research, Swine. German and English summary

20644-68**ABSTRACTS OF PAPERS PRESENTED AT THE MEETING OF THE NORTH ATLANTIC SECTION, A.S.A.S. AUGUST 19-20, 1968, BURLINGTON, VERMONT.***J Anim Sci* 27(5):1509-1520

Sep 1968 49 J82

Animals, Livestock diseases, Nutrition, Physiology.

20645-68**INSECTICIDE TOXICOLOGY; AUGMENTED SUSCEPTIBILITY TO CARBARYL TOXICITY IN ALBINO RATS FED PURIFIED CASEIN DIETS.**

E M Boyd M A Boulanger

J Agr Food Chem 16(5):834-838 REF

Sep 1968 381 J8223

Albinism, Animal nutrition, Animal physiology, Biochemistry, Carbaryl, Casein, Diet, Feeding, Insecticides, Proteins, Rats, Toxicology.

20646-68**AVIAN BOTULISM IN A MIXED POPULATION OF RESIDENT DUCKS IN AN URBAN RIVER SETTING.**

F D Crisley V R Dowell R Angelotti

Wildlife Dis Ass Bull 4(3):70-77 REF

Jul 1968 41.9 W64B

Aquatic birds, Botulism, Ducks, Environment, Epidemiology, Toxicology, Water analysis.

20647-68**LUNG CHANGES AND AELUROSTRONGYLUS ABSTRUSUS INFESTATION IN ENGLISH CATS.**

J P Dubej J K A Beverley W A J Crane

Vet Rec 83(8):191-194

24 Aug 1968 41.8 V641

Aelurostrongylus abstrusus, Cats, Lungs, Neoplasms, Research, Respiratory system, Surveys.

20648-68**DETERMINATION OF SULFADIMETHOXINE IN ANIMAL TISSUES.**

J Fellig J Westheimer

J Agr Food Chem 16(5):738-740

Sep 1968 381 J8223

Animal extracts, Animals, Colorimetry, Dyes, Methodology, Research, Sulfadimethoxine, Tissues.

20649-68**A MEDIUM FOR THE ISOLATION OF AVIAN MYCOPLASMAS.**

M L Frey R P Hanson D P Anderson

Amer J Vet Res 29(11):2163-2171 REF

Nov 1968 41.8 AM3A

Culture media, Laboratory animals, Mycoplasma gallisepticum, Mycoplasma meleagridis, Mycoplasma synoviae, Research, Turkeys.

20650-68**TOXICOLOGY OF THE HERBICIDE DICHLOBENIL (2,6-DICHLOROBENZONITRILE) AND ITS MAIN METABOLITES.**

H Genderen G J Esch

Food Cosmet Toxicol 6(2):261-269 REF

Aug 1968 391.8 F73

Animals, Dichlobenil, Enzymes, Feeding, Herbicides, Metabolism, Metabolites, Necrosis, Reproduction, Research, Toxicology.

20651-68**MILK PRODUCTION RESPONSE TO FEEDING METHIONINE HYDROXY ANALOG TO LACTATING DAIRY COWS.**

L C Griel R A Patton R D McCarthy P T Chandler

J Dairy Sci 51(11):1866-1868

Nov 1968 44.8 J822

Dairy cattle, Feed additives, Ketosis, Lactation, Methionine.

20652-68**ESTIMATING THE NUMBER OF ANIMALS: A RAPID METHOD FOR UNIDENTIFIED INDIVIDUALS.**

W R Hanson

Science 162(3854):675-676

08 Nov 1968 470 SC12

Animals, Methodology, Population statistics, Research, Surveys, Zoogeography.

20653-68**D-LACTATE SPECIFIC PYRIDINE NUCLEOTIDE LACTATE DEHYDROGENASE IN ANIMALS.**

G L Long N O Kaplan

Science 162(3854):685-686 REF

08 Nov 1968 470 SC12

Biochemistry, Dehydrogenases, Electrophoresis, Invertebrates, Lactase, Nucleotides, Pyridine, Surveys.

20654-68**THE EFFECT OF PROPYLENE GLYCOL ON BLOOD AND NON-ESTERIFIED FATTY ACIDS (NEFA) IN RUMINANTS.**

J Luthman

Nord Veterinaermed 20(6):338-343 REF

Jun 1968 41.8 N813

Blood, Chemicals, Fatty acids, Glucose, Metabolism, Propylene glycol, Research, Ruminants, Swedish and German summary

20655-68**IMMUNIZATION AGAINST ASCARIS SUUM ASCARIS LUMBRICOIDES, AND TRICHINELLA SPIRALIS. II. PERORAL IMMUNIZATION AGAINST ASCARIS SUUM BY MEANS OF LIVE ADULT WORMS, 3RD AND 4TH STAGE LARVAE, AND WITH FLUID IN WHICH ADULT WORMS HAD BEEN MAINTAINED.**

K Matoff A Tersijski

Z Tropenmed Parasitol 19(3):280

Sep 1968 448.8 Z37

Ascaris lumbricoides, Ascaris lumbricoides suum, Gastrointestinal system, Guinea pigs, Immunization, Larvae, Research, Trichinella spiralis. English and German summary

20656-68**METABOLISM OF CARBONYL-C14-LABELED IMIDAN, N-(MERCAPTOETHYL)PHTHALIMIDE-S-(O,O-DIMETHYLPHOSPHORODITHIOATE), IN RATS AND COCKROACHES.**

J B McBain J J Menn J E Casida

J Agr Food Chem 16(5):813-820 REF

Sep 1968 381 J8223

Biochemistry, Blattellidae, Chromatography, Dosage, Imidan, Injections, Metabolism, Metabolites, Phthalic acid, Radioactivity, Rats, Research.

20657-68**EFFECTS OF VACCINATIONS WITH STRAIN 19 BRUCELLA ABORTUS, TRIPLE BACTERIN, OR ENDOTOXINS ON SERUM ALKALINE PHOSPHATASE IN DAIRY CALVES.**

W J Miller D M Blackman F M Pate Y G Martin

J W Foster

J Dairy Sci 51(11):1791-1795

Nov 1968 44.8 J822

Bacterins, Blackleg (animal), Brucella abortus, Dairy cattle, Endotoxins, Immunization, Livestock diseases, Shipping fever.

20658-68**MASTITIS-METRITIS-AGALACTIA SYNDROME.**

J P Nelson

Kansas Vet 24(5):10-11

Sep 1968 41.9 K1330B

Agalactia, Etiology, Mastitis, Metritis, Microorganisms, Reproduction, Research, Swine, Toxemia.

20659-68**ESTERASES OF MOUSE BRAIN ACTIVE IN HYDROLYZING ORGANOPHOSPHATE AND CARBAMATE INSECTICIDES.**

K Sakai F Matsumura

J Agr Food Chem 16(5):803-807

Sep 1968 381 J8223

Agar, Brain, Carbamates, Electrophoresis, Enzymes, Esterases, Hydrolysis, Insecticides, Malathion, Organic compounds, Phosphates, Research, Toxicology.

20660-68**THE EFFECTS OF THE USE OF CHEMICAL MEANS OF PLANT PROTECTION ON BIRD SPECIES BREEDING IN CAVES OR NICHES IN FRUIT ORCHARDS. (GE)**

H Schonbeck

Pflanzenschutzberichte 37(10/11):161-178 REF

May 1968 464.9 P48

Birds, Breeding, Cave fauna, Insecticides, Phosphorus, Population. Report given at 6th International Congress for Plant protection, Vienna, 1967. english summary.

20661-68**METHOD FOR RECOVERY OF VIRUSES FROM MILK AND MILK PRODUCTS.**

R Sullivan R B Read

J Dairy Sci 51(11):1748-1751 REF

Nov 1968 44.8 J822

Amino acids, Antibiotics, Biological assay, Culture media, Kidneys, Milk, Monkeys, Salts, Viruses.

20662-68**TRANSMISSION IN INVERTEBRATE AND VERTEBRATE GANGLIA.**

L Tauc

Physiol Rev 47(3):521-593 REF

Jul 1967 447.8 P563

Cells, Ganglion cells, Invertebrates, Morphology, Nervous system, Physiology, Vertebrates.

20663-68**SUSCEPTIBILITY OF MINK TO CLOSTRIDIUM BOTULINUM TYPE C TOXIN.**

T B Tjberg A Skulberg

Nord Veterinaermed 20(6):313-318

Jun 1968 41.8 N813

Clostridium botulinum, Enzymes, Extracts, Food analysis, Injections, Laboratories, Minks, Research, Toxicology. German and English summary

20664-68

DISEASES

- 20664-68
PATHOGENICITY OF *VIBRIO COLI* FOR SWINE I. EXPERIMENTAL INFECTION OF GNOTOBIOTIC PIGS WITH *VIBRIO COLI*.
C E Andress D A Barnum R G Thomson
Can J Comp Med Vet Sci 32(4):522-528 REF
Oct 1968 41.8 C162
Animal diseases, Bacteria, Diagnosis, Dysentery, Germ-free life, Serological tests, Swine, Tissues, *Vibrio coli*.
- 20665-68
PATHOGENICITY OF *VIBRIO COLI* FOR SWINE II. EXPERIMENTAL INFECTION OF CONVENTIONAL PIGS WITH *VIBRIO COLI*.
C E Andress D A Barnum
Can J Comp Med Vet Sci 32(4):529-532 REF
Oct 1968 41.8 C162
Animal diseases, Bacteria, Injections, Research, Swine, *Vibrio coli*.
- 20666-68
SANITATION IN POULTRY HUSBANDRY. (JA)
Anonymous
Jap Vet Med Ass J 20(6):264-268
1967 41.9 J275
Haemophilus gallinarum, Immunodiagnosis, Mycoplasma, Poultry, Salmonellosis, Sanitation control (pests).
- 20667-68
CONTROL OF PSITTACOSIS BY GROUP CHEMOTHERAPY OF INFECTED PARROTS.
P Arnstein B Eddie K F Meyer
Amer J Vet Res 29(11):2213-2227 REF
Nov 1968 41.8 AM3A
Animal diseases, Chlorotetracycline, Drug therapy, Feed, Parrots, Psittacosis, Research.
- 20668-68
THE GEOGRAPHICAL DISTRIBUTION AND CONTROL OF CONTAGIOUS BOVINE PLEUROPNEUMONIA IN AFRICA TODAY.
P G Atang
Bull Epizoot Dis Afr 16(2):173-181 MAP REF
Jun 1968 41.8 B872
Animal diseases, Animal quarantine, Cattle, Pleuropneumonia, Vaccines, Zoogeography. English and french abstracts
- 20669-68
FOOT AND MOUTH DISEASE IN AFRICA.
P G Atang
Bull Epizoot Dis Afr 16(1):129-137 MAP
Mar 1968 41.8 B872
Foot-and-mouth disease, Foot-and-mouth disease virus, Geography.
- 20670-68
CHOLANGIOCHOLECYSTOGRAPHY IN CANINE MEDICINE CLINICAL REMARKS AND CRITICAL CONSIDERATION ON 50 CHOLANGIOCHOLECYSTOGRAPHIES BILIVISTAN IN DOGS. (IT)
G Ballarini F Vitali
Veterinaria (milano) 17(3):156-179 REF
May 1968 41.8 V6499
Animal diseases, Bilivistan, Cholangiocholecyctography, Dogs, Gallbladder, Liver. English summary
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ANAPLASMA IN NORTHERN NIGERIA.
W G Beaton
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Mar 1968 41.8 B872
Anaplasma, Blood parasites, Cattle, Goats, Nigeria, Sheep.
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E D Belino P V Arambulo
Can Vet J 9(8):189-190
Aug 1968 41.8 R3224
Chickens, Eggs, Immunization, Newcastle disease virus, Temperature, Vaccines, Virus diseases (animals). French summary
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P Bernard
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18 Jan 1967 41.2 L99
Brucellosis, Diagnosis, Epidemiology, Legislation, Sanitation, Zoonoses.
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ELEPHANT SKIN DISEASE OF CATTLE--A BUSHVELD PROBLEM.
R D Bigalke
S Afr Biol Soc J 7.8:37-39
1966 410.9 SOBJ
Cattle, Globidiosis, Glossina, Insect vectors, Livestock diseases, Parasitism, Stomoxys, Tabanidae.
- 20675-68
ENZOOTIC PNEUMONIA OF PIGS: COMPLEMENT-FIXATION TESTS FOR THE DETECTION OF MYCOPLASMA ANTIBODIES IN THE SERUM OF IMMUNIZED RABBITS AND INFECTED SWINE.
P Boulanger C L'Ecuier
Can J Comp Med Vet Sci 32(4):547-554 REF
Oct 1968 41.8 C162
Antibodies, Complement fixation, Immunization, Pneumonia, Rabbits, Research, Serum, Swine.
- 20676-68
DURATION OF RINDERPEST VIRUS EXCRETION IN CATTLE IMMUNIZED WITH AN INACTIVATED VACCINE. (FR)
P Bourdin
Rev Elevage Med Vet Pays Trop 21(2):141-144
1968 41.8 R3262
Cattle, Immunization, Rinderpest virus, Vaccines.
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SPECIFIC INTERFERENCE AMONG STRAINS OF NEWCASTLE DISEASE VIRUS. I. DEMONSTRATION AND MEASUREMENT OF INTERFERENCE.
M A Bratt H Rubin
Virology 33(4):598-608 REF
Dec 1967 448.8 V81
Animal disease resistance, Animal genetics, Assay, Cells, Chickens, Interference phenomenon, Newcastle disease virus, Virus diseases (animals).
Abstract: Direct assay for measuring extent of interference is compared with the infective center assay, and the superiority of the latter is demonstrated.
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ELECTRON MICROSCOPIC CHARACTERIZATION OF DUCK PLAGUE VIRUS.
S S Breese A H Dardiri
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Jan 1968 448.8 V81
Cytology, Ducks, Electron microscopy, Virus diseases (animals).
Abstract: A virus was isolated from ducks in a recent disease outbreak on farms on Long Island, New York. This disease exhibited characteristics similar to duck plague, a disease in ducks endemic to the Netherlands and India, and not previously reported in the United States.
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A L Brown
Amer Vet Med Ass J 152(6,PT.2):856-857
15 Mar 1968 41.8 AM3
Bovine rhinotracheitis vaccines, Cattle, Feedlots, Immunization, Respiratory diseases, Stress.
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THE INCIDENCE OF SKIN DISEASES OF CATTLE IN UGANDA.
O Bwangamoi
Bull Epizoot Dis Afr 16(1):115-119
Mar 1968 41.8 B872
Cattle, Hides, Production economics, Skin diseases.
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WHY BESNOITIOSIS WAS NOT DIAGNOSED IN GOATS IN KENYA AS EARLY AS 1955.
O Bwangamoi
Bull Epizoot Dis Afr 16(2):223-229
Jun 1968 41.8 B872
Animal histology, Besnoitia besnoiti, Cysts, Globidiosis, Goats, Hides, Research.
- 20682-68
CLINICAL, SEROLOGICAL AND PATHOLOGICAL FINDINGS IN AN OUTBREAK OF CONTAGIOUS BOVINE PLEUROPNEUMONIA.
A C Bygrave J E Moulton M Shifrine
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Mar 1968 41.8 B872
Cattle, Infectious diseases, Livestock diseases, Pleuropneumonia, Serological tests.
- 20683-68
THE ISOLATION OF A PSITTACOSIS-LYMPHOGRANULOMA VENEREUM (PL) AGENT FROM AN EMPEROR PENGUIN (AP-TENODYTES FORSTERI) CHICK.
A S Cameron
Australian J Exp Biol Med Sci 46(Pt 5):647-649
Oct 1968 442.8 AU7
Biological assay, Birds, Epidemiology, Miyagawanella group viruses, Wildlife pests. English abstract
- 20684-68
RELATIONSHIP OF DONOR AGE TO ADSORPTION OF FOOT-AND-MOUTH DISEASE VIRUS BY MOUSE TISSUES.
C H Campbell
Amer J Vet Res 29(11):2205-2212 REF
Nov 1968 41.8 AM3A
Adsorption, Aging, Animal physiology, Culture media, Foot-and-mouth disease virus, Mice, Research, Tissues, Virus diseases (animals).
- 20685-68
RESPIRATORY ADENOVIRUS INFECTION IN THE DOG.
R S F Campbell H Thompson H J C Cornwell N G Wright
Vet Rec 83(8):202-203
24 Aug 1968 41.8 V641
Adenoviruses, Anatomy, Animal abnormalities, Animal diseases, Dogs, Histology, Respiratory system.
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PANLEUCOPENIA.
R W Cannon
Kansas Vet 24(5):7-10
Sep 1968 41.9 K1330B
Antibiotics, Blood serum, Cats, Chemicals, Feline infectious enteritis, Immunization, Research, Temperature, Vaccines.
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SOME CONSIDERATIONS ON THE STRAIN P5A57 OF THE LIVING VIRUS ATTENDING THE PORCINE DISEASE. (FR)
J Carra
Ann Med Vet 112(5):396-426 REF
Jul 1968 41.8 AN78
Hog cholera virus, Immunization, Rabbits, Research, Swine, Tissue culture, Vaccines, Virus diseases (animals). English summary
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THE POSSIBILITY OF PRODUCING TUBERCULIN SENSITIVITY BY FEEDING POULTRY LITTER.
J A J Carriere D C Alexander K A McKay
Can Vet J 9(8):178-185
Aug 1968 41.8 R3224
Animal diseases, Chickens, Feed, Mycobacterium, Research, Tables (data), Tuberculin. French summary

- 20689-68
TRANSMISSION STUDIES OF SWINE LYMPHOSARCOMA; HEMATOLOGIC AND PATHOLOGIC CHANGES IN PIGS INOCULATED WITH WHOLE CELL SUSPENSIONS.
M T Case J Simon
Amer J Vet Res 29(2):263-269 REF
Feb 1968 41.8 AM3A
Hematology, Injections, Livestock diseases, Lymphosarcoma, Swine.
- 20690-68
PRESENT STATUS OF IMMUNIZATION PROCEDURES FOR INFECTIOUS BOVINE RHINOTRACHEITIS.
N H Casselberry
Amer Vet Med Ass J 152(6,PT2):853-856
15 Mar 1968 41.8 AM3
Antibodies, Bovine rhinotracheitis vaccines, Cattle, Diagnosis, Feedlots, Immunization, Respiratory diseases.
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MYCOBACTERIUM AVIUM INFECTION IN CATTLE: A CASE SERIES.
D R Cassidy L G Morehouse H A McDaniel
Amer J Vet Res 29(2):405-410 MAP REF
Feb 1968 41.8 AM3A
Cattle, Livestock diseases, Mycobacterium avium, Research, Tables (data), Tissues, Zoogeography.
- 20692-68
THE DISTRIBUTION OF INFECTIOUS BRONCHITIS OF CHICKENS IN SLOVAKIA. (CZ)
K Cernik V Rajtar E Cernikova
Czech Min Zemed Les Hospod Ustav Vedeckotechl Inform Vet Med 13(41):329-336 MAP REF
1968 41.9 C333
Biochemistry, Chickens, Infectious bronchitis, Virus diseases (animals), Zoogeography. English, czech, russian and german abstracts
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CONTRIBUTION TO THE STUDY OF EQUINE PLAGUE; ITS ACTUAL SANITARY LEGISLATION IN FRANCE. (FR)
Y Cheneau
Lyon Ecole Nat Vet These 11:86 P.
23 Feb 1967 41.2 L99
African horse sickness, Diagnosis, Epidemiology, Legislation, Research, Sanitation, Virus diseases (animals).
- 20694-68
COMMENTS ON INFECTIOUS BOVINE RHINOTRACHEITIS IMMUNIZATION.
T L Chow
Amer Vet Med Ass J 152(6,PT.2):857-858
15 Mar 1968 41.8 AM3
Antibodies, Bovine rhinotracheitis vaccines, Cattle, Diagnosis, Immunization, Respiratory diseases.
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PLAQUE FORMATION BY RHINOVIRUSES.
R M Conant N L Somerson V V Hamparian
Soc Exp Biol Med Proc 128(1):51-56 REF
May 1968 442.9 SO1
Biological assay, Methodology, Rhinoviruses, Tissue culture. English abstract
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RATION EVALUATION AND KETOSIS PREVENTION.
J F Cote
Can Vet J 9(8):191-192
Aug 1968 41.8 R3224
Animal nutrition, Dairy cattle, Feeding, Ketosis, Livestock diseases, Metabolism diseases, Minerals, Tables (data).
- 20697-68
ISOLATION OF A PARAINFLUENZA VIRUS FROM SENTRY DOGS WITH UPPER RESPIRATORY DISEASE.
R A Crandell W B Brumlow
Amer J Vet Res 29(11):2141-2147 REF
Nov 1968 41.8 AM3A
Dogs, Hemagglutination-inhibition test, Parainfluenza-3, Research, Respiratory diseases, Serological tests, Shipping fever, Tissue culture, Virus diseases (animals).
- 20698-68
A BUFFY COAT STIMULATING EFFECT IN SERUM FROM CATTLE WITH PERSISTENT LYMPHOCYTOSIS.
R F Cross D R Redman E H Bohl
Can J Comp Med Vet Sci 32(4):600-602
Oct 1968 41.8 C162
Cattle, Cells, Hemograms, Livestock diseases, Lymphocytosis, Physiology, Serum.
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ABORTION IN A DONKEY ASSOCIATED WITH BRUCELLA ABORTUS.
P J Crossman M D Bonson
Vet Rec 82(21):607-608
25 May 1968 41.8 V641
Abortion, Animal breeding, Asses, Brucella abortus, Livestock diseases.
- 20700-68
VARYING VIRULENCE IN RABBITS INFECTED WITH DIFFERENT FILAMENTOUS TYPES OF HISTOPLASMA CAPSULATUM.
L S Daniels M D Berliner C C Campbell
J Bacteriol 96(5):1535-1539
Nov 1968 448.3 J82
Histoplasmosis, Immunology, Infectious diseases, Rabbits, Yeasts. English abstract
- 20701-68
THE EFFECT OF ALTERING METABOLIC RATE ON THE MORTALITY AND INCUBATION TIME OF RABIES.
J B Enright C E Franti F L Frye D E Behymer
Soc Exp Biol Med Proc 127(4):1111-1116
Apr 1968 442.9 SO1
Bats, Epidemiology, Metabolism, Mortality, Rabies. English abstract
- 20702-68
ESTROGENIC FACTORS IN MOULDY GRAIN; VULVOVAGINITIS IN SWINE. (DA)
E Erikson
Nord Veterinaarmed 20:396-401
Jul 1968 41.8 N813
Animal diseases, Coital exanthema, Diagnosis, Estrogens, Feed, Fusarium, Grain, Research, Swine. English and German and Swedish
- 20703-68
CHEMICAL AND MORPHOLOGICAL CHANGES IN THE BRAINS OF COPPERDEFICIENT GUINEA PIGS.
G J Everson R E Shrader T-i Wang
J Nutr 96(1):115-125 REF
Sep 1968 389.8 J82
Animal morphology, Biochemistry, Copper, Deficiency diseases, Guinea pigs, Lipids, Nervous system.
- 20704-68
STATISTICAL STUDIES ON SKIN TUMOURS IN DOMESTIC ANIMALS. (GE)
K Frese
Zentralb Veterinaarmed Reihe A 15(5):448-459 REF
Jul 1968 41.8 Z5
Animal physiology, Livestock diseases, Neoplasms, Research, Skin diseases, Statistical analysis. English, French, and Spanish summaries.
- 20705-68
IMMUNOLOGICAL SPECIFICITY OF SOLUBLE POLYSACCHARIDES OF CANDIDA ALBICANS.
Y Fukazawa N P Elinov T Shinoda T Tsuchiya
Jap J Microbiol 12(3):283-292 REF
Sep 1968 448.8 J273
Agglutination, Antibodies, Candida albicans, Chromatography, Immunochemistry, Polysaccharides. English abstract
- 20706-68
AN OUTBREAK OF SWINE POX-LIKE DISEASE IN TOTTORI PREFECTURE JAPAN.
M Goto M Nakamatsu M Morita T Fkui
Jap J Vet Sci 30(2):61-71 REF
Apr 1968 41.8 J27
Epidemiology, Swine, Swinepox, Swinepox virus, Virus diseases (animals). Japanese translation
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AN ATTEMPT TO MODIFY SCRAPIE IN MICE BY THE ADMINISTRATION OF INTERFERON.
I Gressner I H Pattison
J Gen Virol 3(2):295-297 REF
Sep 1968 QOR360.0A10J6
Interferon, Mice, Proteins, Scrapie, Virus diseases (animals).
- 20708-68
A SEROLOGIC STUDY OF EQUINE INFLUENZA.
L G Halterman J M McQueen
Amer Vet Med Ass J 153(8):1069-1073 REF
15 Oct 1968 41.8 AM3
Blood tests, Equine influenza, Horses, Research, Respiratory system, Serological tests, Virus diseases (animals).
- 20709-68
INFLUENCE OF ADDED ROUGHAGE AND CHLORTETRACYCLINE TO ALLCONCENTRATE RATIONS FOR FATTENING STEERS.
R W Harvey M B Wise T N Blumer E R Barrick
J Anim Sci 27(5):1438-1444 REF
Sep 1968 49 J82
Animal nutrition, Animal physiology, Beef cattle, Chlortetracycline, Diet, Roughage.
- 20710-68
AN INVESTIGATION OF THE CONTENT OF SELENIUM AND PHOSPHORUS IN WINTER FEEDING OF LAMBS, COMPARED WITH THE OUTBREAK OF NUTRITIONAL MUSCULAR DEGENERATION IN THE SPRING. (NO)
G N Havre E Steinnes
Nord Veterinaarmed 20:420-429 REF
Jul 1968 41.8 N813
Animal nutrition, Feeding, Hay, Musesels, Phosphorus, Research, Selenium, Sheep. English, German, and Swedish summary.
- 20711-68
CONGENITAL HYDROPS IN MINK.
B Hemmingsen T Moller
Nord Veterinaarmed 20(6):306
Jun 1968 41.8 N813
Abnormalities, Autopsies, Environment, Hereditary diseases, Histology, Minks, Research. English summary
- 20712-68
AVIAN ENCEPHALOMYELITIS (EPIDEMIC TREMOR). I. A SURVEY OF EPIZOOTIOLOGICAL PROBLEMS AND THE FIRST OCCURRENCE OF THE INFECTION IN CROATIA. (SL)
M Hereeg M Kralj H Mazijs S Cvetnie B Marzan Z Marusic
Vet Arh 37(7-8):230-242 REF
1967 41.8 V6416
Animal physiology, Avian encephalomyelitis, Chickens, Epizootic diseases. English, yugoslavian and french abstracts
- 20713-68
EFFECT OF DIETARY CADMIUM AND ETHYLENEDIAMINETETRAACETATE ON DRY MATTER DIGESTIBILITY AND ORGAN WEIGHTS IN ZINC DEFICIENT AND NORMAL RUMINANTS.
J M Hiers W J Miller D M Blackmon
J Dairy Sci 51(2):205-209 REF
Feb 1968 44.8 J822
Animal nutrition, Cadmium, Diet, Digestion, Ethylenediaminetetraacetic acid, Ruminants, Viscera, Zinc.

20714-68

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SR-85 AND CS-134 ACTIVITY IN MILK AFTER A SINGLE CONTAMINATION OF PASTURE.

J V D Hoek R J Kirchmann
Tijdschr Diergeneesk 18(93):1121-1132 REF
15 Sep 1968 41.8 T431

Animal physiology, Cesium isotopes, Food contamination, Milk, Radioactivity, Strontium isotopes. Dutch, French, and German summaries

20715-68

CONTAGIOUS BOVINE PLEUROPNEUMONIA: DEVELOPMENT OF A SATISFACTORY AND SAFE VACCINE.

J R Hudson
Bull Epizoot Dis Afr 16(2):165-172
Jun 1968 41.8 B872

Cattle, Mycoplasma mycoides, Pleuropneumonia, Vaccines. English and french abstracts

20716-68

JOHNE'S DISEASE IN CATTLE AND VACCINATION AGAINST THIS DISEASE. (DU)

H Huitema
Tijdschr Diergeneesk 15(93):953-963
01 Aug 1968 41.8 T431

Cattle, Immunization, Johne's disease, Livestock diseases. English, French, German, and Spanish summaries

20717-68

PATHOLOGICAL STUDIES ON FAT NECROSIS (LIPOMATOSIS) IN CATTLE.

T Ito S Miura K Ohshima S Numakunai
Jap J Vet Sci 30(3):141-150
Jun 1968 41.8 J27

Animal diseases, Cattle, Chemistry, Histology, Lipomatosis, Necrosis, Neoplasms, Research, Tissues. Japanese summary

20718-68

ONCOLYTIC CAPACITY IN VIVO OF THE NEWCASTLE VIRUS WITH RESPECT TO THE YOSHIDA PERITONEAL SARCOMA. (FR)

H Jacotot
Acad Sci Compt Rend Ser D Sci Nat 264(22):2602-2603
29 May 1967 505 P21

Cancer, Mortality, Neoplasms, Newcastle disease virus, Peritoneum, Rats, Sarcoma.

20719-68

CONTRIBUTION TO THE STUDY OF STOMATITIS VIRUSES OF SHEEP. (FR)

M Y Jacquot
Lyon Ecole Nat Vet These 4:76P. REF
11 Jan 1967 41.2 L99

Diagnosis, Drug therapy, Epidemiology, Research, Sheep, Stomatitis, Virus diseases (animals).

20720-68

EXPERIMENTAL MASTITIS IN LEUKOPENIC COWS: IMMUNOLOGICALLY INDUCED NEUTROPENIA AND RESPONSE TO INTRAMAMMARY INOCULATION OF AEROBACTER AEROGENES.

N C Jain O W Schalm E J Carroll J Lasmanis
Amer J Vet Res 29(11):2089-2097 REF
Nov 1968 41.8 AM3A

Acrobacter agrogenes, Cattle, Immunology, Injections, Leukopenia, Livestock diseases, Mammary glands, Mastitis, Neutropenia.

20721-68

BERENIL RESISTANCE IN NATURALLY OCCURRING TRYPANOSOMA CONGOLENSIS.

W J Jones-Davies
Bull Epizoot Dis Afr 16(2):213-216
Jun 1968 41.8 B872

Berenil, Drug resistance, Glossina, Trypanosoma, Zebu cattle.

20722-68

FIELD TRIAL OF JAPANESE ENCEPHALITIS VACCINE FOR THE PREVENTION OF VIRAL STILLBIRTH AMONG PIGS IN SHIZUOKA PREFECTURE IN 1964. (JA)

A Kawakubo

Jap Vet Med Ass J 20(6):255-260 REF
1967 41.9 J275

Encephalitis, Fetal death, Japanese b encephalitis virus, Livestock diseases, Swine, Viral vaccines.

20723-68

CLASSIFICATION OF AN AVIAN VIRUS BY ELECTRON MICROSCOPY.

P N Khanna E Lund
Arch Gesamte Virusforsch 20(3):387-391 REF
1967 448.3 AR23

Adenoviruses, Chickens, Classification, Electron microscopy, Virology.

Structural features determined by electron microscopy are used to classify an avian virus as an adenovirus.

20724-68

A NEW CELL LINE OF CALF KIDNEY AND ITS SUSCEPTIBILITY TO VIRUSES.

S Kimura K Fukui N Yoshida Y Matsubara
Jap J Microbiol 12(3):293-298
Sep 1968 448.8 J273

Cells, Coxsackie viruses, Immunity, Kidneys, Poliomyelitis, Tissue culture, Virology. English abstract

20725-68

SUPPLEMENT TO THE PUBLICATION 'ON THE VARIATIONS OF FREE AMINO ACIDS AND PROTEINS IN CHICKEN EGGS AFTER PRELIMINARY TREATMENT OF KILLED SALMONELLA'. I—CONSIDERATION OF THE H2O2-CATALASE PROCESS. (GE)

G Kloos G Roeder
Arch Lebensmittelhyg 18(8):180-183
Aug 1967 41.8 L49

Amino acids, Biochemistry, Chick embryos, Enterobacteriaceae, Peroxides, Proteins, Salmonella. German abstract

20726-68

EFFECT OF HIGH LEVELS OF CARBON DIOXIDE ON PIGS INFECTED WITH PORCINE ENTEROVIRUS.

S Konishi R A Bankowski
Jap J Vet Sci 30(3):131-139 REF
Jun 1968 41.8 J27

Carbon dioxide, Injections, Nervous system diseases, Porcine enteroviruses, Serological tests, Swine. Japanese summary

20727-68

OCCURRENCE AND MORPHOLOGY OF SPONTANEOUS ARTERIOSCLEROSIS IN DOMESTIC AND WILD PIGS. (GE)

K Krieg
Zentralb Veterinarmed Reihe A 15(5):386-400 REF
Jul 1968 41.8 Z5

Aging, Animal physiology, Arteriosclerosis, Epidemiology, Histochemistry, Livestock diseases, Morphology, Research, Sex, Swine. English, French, and Spanish summary

20728-68

NATURAL DISSECTING ANEURYSM (AORTIC RUPTURE) AND BLOOD PRESSURE IN THE TURKEY.

L M Krista P E Waibel R N Shoffner J H Sautter
Nature 214(5093):1162-1163
10 Jun 1968 472 N21

Aneurysms, Animal diseases, Animal genetics, Aorta, Arteries, Blood pressure, Dissection, Hemorrhage, Mortality, Turkeys.

20729-68

BLINDNESS IN CHICKS ASSOCIATED WITH SALMONELLA TYPHIMURIUM INFECTION.

A P Laursen-Jones
Vet Rec 83(8):205
24 Aug 1968 41.8 V641

Animal abnormalities, Animal diseases, Avian lymphomatosis, Blindness, Chickens, Furmethonol, Mortality, Salmonella typhimurium.

20730-68

PROGRESS REPORT: DUCK PLAGUE SURVEILLANCE OF AMERICAN ANSERIFORMES.

L Leibovitz

Wildlife Dis Ass Bull 4(3):87-91
Jul 1968 41.9 W64B

Ducks, Environment, Epidemiology, Histology, Injections, Mortality, Reports, Research.

20731-68

RELATIONSHIP BETWEEN MAREK'S DISEASE AND COCCIDIOSIS. I. ATTEMPTED TRANSMISSION OF MAREK'S DISEASE BY AVIAN COCCIDIA.

P L Long S G Kenzy P M Biggs
Vet Rec 83(11):260-261
14 Sep 1968 41.8 V641

Avian lymphomatosis, Birds, Chickens, Coccidiosis, Eimeria acervulina, Eimeria mivati, Eimeria tenella, Injections, Virus diseases (animals).

20732-68

CLINICOPATHOLOGIC CHANGES IN PRIMARY GLAUCOMA IN THE COCKER SPANIEL.

L G Lovckin R W Bellhorn
Amer J Vet Res 29(2):379-385
Feb 1968 41.8 AM3A

Animal diseases, Breeding, Cocker spaniel dogs, Eyes, Glaucoma, Laboratory animals, Research, Tables (data).

20733-68

PRODUCTION OF A WASTING SYNDROME IN THE HAMSTER AFTER THE INOCULATION OF BOVINE LEUKEMIC EXTRACT. (FR)

G Lussier V Pavilanis
Can J Comp Med Vet Sci 32(4):533-538 REF
Oct 1968 41.8 C162

Anemia, Animal diseases, Diagnosis, Extracts, Hamsters, Histology, Injections, Leukemia. English summary

20734-68

AFLATOXIN INDUCED SERUM ENZYME CHANGES IN CALVES. (ABSTRACT).

G P Lynch N M Jacoby
J Anim Sci 27(5):1512
Sep 1968 49 J82

Aflatoxin, Animal physiology, Cattle, Enzymes, Serum. Abstract of American Society of Animal Science meeting

20735-68

FURTHER OBSERVATIONS ON THE EFFECT OF AFLATOXIN IN CALVES. (ABSTRACT).

G P Lynch W T Shalkop G C Todd
J Anim Sci 27(5):1512-1513
Sep 1968 49 J82

Aflatoxin, Animal physiology, Cattle, Research. Abstract of American Society of Animal Science meeting

20736-68

TRANSMISSION OF RINDERPEST FROM GOATS TO CATTLE IN TANZANIA.

I Macadam
Bull Epizoot Dis Afr 16(1):53-60 REF
Mar 1968 41.8 B872

Antibodies, Cattle, Goats, Infectious diseases, Mortality, Rinderpest, Rinderpest virus, Sheep.

20737-68

SEROLOGICAL SURVEY ON INFECTIOUS RESPIRATORY DISEASES OF POULTRY IN OKINAWA.

S Machida K Ando H Kawamura
Tokyo Nat Inst Anim Health Quart 8(1):55-56 SPRING
1968 41.9 T575Q

Antibodies, Hemagglutination-inhibition test, Livestock diseases, Mycoplasma gallisepticum, Poultry, Respiratory diseases, Serological tests, Virus diseases (animals).

20738-68

A SEROLOGICAL SURVEY FOR BRUCELLOSIS IN CANADIAN SWINE.

K L Malkin J M Tailyour T R S Bhatia R M Archibald
Can J Comp Med Vet Sci 32(4):598-599
Oct 1968 41.8 C162

Blood, Brucellosis, Livestock diseases, Research, Serological tests, Surveys, Swine.

- 20739-68**
CONTRIBUTION TO THE STUDY OF THE INFECTIOUS ECTHYMA IN SHEEP. (FR)
L Marquet-Hauteville
Lyon Ecole Nat Vet These 1:88 P. REF
11 Jan 1967 41.2 L99
Diagnosis, Drug therapy, Ecthyma, Epizootic diseases, Evolution, Infectious diseases, Research, Sheep.
- 20740-68**
ANTIBODIES TO THE GROUP II LUMPY SKIN DISEASE VIRUSES IN THE SERA OF CATTLE IN KENYA.
W B Martin M Gwynne
Bull Epizoot Dis Afr 16(2):217-222
Jun 1968 41.8 B872
Allerton virus, Antibodies, Cattle, Lumpy skin disease, Serum, Virus diseases (animals). French and english abstract
- 20741-68**
ISOLATION, CHARACTERIZATION, AND SEROLOGIC COMPARISON OF SELECTED PORCINE ENTEROVIRUSES BY PLAQUE REDUCTION TEST.
S McConnell R O Spertzel J N Shively
Amer J Vet Res 29(2):245-251 REF
Feb 1968 41.8 AM3A
Feces, Porcine enteroviruses, Research, Serological tests, Swine, Tables (data), Virus diseases (animals).
- 20742-68**
EFFICIENCY OF ORAL AND INTRAVAGINAL ESTROUS SYNCHRONIZATION IN EWES. (ABSTRACT).
D E McCreight T L Merritt L L Wilson M C Rugh C S Shaffner
J Anim Sci 27(5):1511
Sep 1968 49 J82
Breeding, Estrus, Mouth, Reproduction, Sheep, Vagina. Abstract of American Society of Animal Science meeting
- 20743-68**
AN OUTBREAK OF SUBCLINICAL NEWCASTLE DISEASE IN NORTHERN IRELAND.
J B McFerran W A M Gordon J T T Finlay
Vet Rec 82(21):589-592,MAP
25 May 1968 41.8 V641
Hemagglutination-inhibition test, Humane slaughtering, Newcastle disease, Poultry, Virus diseases (animals), Viruses.
- 20744-68**
IN VIVO PRODUCTION OF A TOXIN(S) BY LISTERIA MONOCYTOGENES.
P K Mellwain R W Barnes
Amer J Vet Res 29(2):483-485
Feb 1968 41.8 AM3A
Animal diseases, Chinchillas, Culture media, Injections, Laboratory animals, Listeria monocytogenes, Research, Toxins.
- 20745-68**
NUTRITIONAL MUSCULAR DEGENERATION (NMD) IN LAMBS. (FEED ANALYSIS, PRACTICAL PROPHYLACTIC TRIALS, REGISTRATION OF NMD). (no)
T Mikkelsen M A Hansen
Nord Veterinaermed 20:402-419 REF
Jul 1968 41.8 N813
Animal nutrition, Deficiency diseases, Feed, Feed supplements, Research, Selenium, Sheep. English and German and Swedish summary.
- 20746-68**
BOVINE LYMPHATIC LEUCOSIS IN THE NETHERLANDS; A HISTOPATHOLOGICAL STUDY. (DU)
W Misdorp D C Dodd
Tijdschr Diergeneesk 15(93):943-952 REF
01 Aug 1968 41.8 T431
Cattle, Histology, Leukemia, Livestock diseases, Lymphatic system, Neoplasms. English, French, German, and Spanish summaries
- 20747-68**
SOME AMINO ACID NEEDS OF THE YOUNG PIG FED A SEMISYNTHETIC DIET.
J R Jr. Mitchell D E Becker B G Harmon H W Norton A H Jensen
J Anim Sci 27(5):1322-1326 REF
Sep 1968 49 J82
Amino acids, Animal nutrition, Diet, Swine.
- 20748-68**
TRANSFER AGENT OF IMMUNITY. I. IMMUNE RIBONUCLEIC ACID WHICH INDUCES ANTIBODY FORMATION TO SALMONELLA FLAGELLA.
S Mitsuhashi S Kurashige M Kawakami T Nojima
Jap J Microbiol 12(3):261-268 REF
Sep 1968 448.8 J273
Antibodies, Flagella, Immunization, Immunochemistry, Mice, Ribonucleic acid, Salmonella enteritidis. English abstract
- 20749-68**
ISOLATION OF A BOVINE RHINOVIRUS.
S B Mohanty M G Lillie
Soc Exp Biol Med Proc 128(3):850-852 REF
Jul 1968 442.9 SO1
Biological assay, Bovine rhinovirus, Cattle, Methodology, Ribonucleic acid, Virus diseases (animals). English abstract
- 20750-68**
ADJUVANT VACCINES PREPARED FROM KILLED BRUCELLA ABORTUS. STRAIN 45/20.
W J B Morgan A McDiarmid
Vet Rec 83(8):184
24 Aug 1968 41.8 V641
Agglutination test, Animal diseases, Antibodies, Brucella abortus, Immunity, Research, Serological tests, Vaccines.
- 20751-68**
INFLUENCE OF AN ORALLY ACTIVE PROGESTERONE AND DIETHYLSTILBESTROL ON LITTER SIZE AND WEIGHTS OF PIG.
M C Morrisette I T Omtvedt
Amer J Vet Res 29(2):271-273
Feb 1968 41.8 AM3A
Animal physiology, Biochemistry, Diethylstilbestrol, Drug therapy, Progesterone, Research, Swine.
- 20752-68**
RESPONSES IN DOGS EXPOSED TO ATTENUATED RABIES VIRUS.
B L Moseley L G Morehouse L D Kintner
Amer J Vet Res 29(11):2113-2118 REF
Nov 1968 41.8 AM3A
Antibodies, Antigens, Diagnosis, Dogs, Fluorescent antibody technic, Injections, Rabies virus, Virus diseases (animals).
- 20753-68**
CANINE NOCARDIOSIS DUE TO NOCARDIA CAVIAE.
I E Mostafa L Cerny J Cerna
Rev Elevage Med Vet Pays Trop 21(2):181-189 REF
1968 41.8 R3262
Bacterial diseases (animals), Dogs, Histology, Nocardia, Nocardiosis.
- 20754-68**
GASTRO-ENTERITIS IN KENYA GOATS CAUSED BY GLOBIDIUM GILRUTHI.
G M Mugeru P Bitakaramire
Vet Rec 82(21):595-597
25 May 1968 41.8 V641
Bunostomum, Globidiosis, Globidium gilruthi, Goats, Haemonchosis, Livestock diseases, Oesophagostomus, Strongyloides, Trichostrongylus.
- 20755-68**
PATHOLOGY OF COCCIDIOSIS IN KENYA GOATS.
G M Mugeru
Bull Epizoot Dis Afr 16(1):101-106 REF
Mar 1968 41.8 B872
Coccidiosis, Goats, Livestock diseases, Research, Sheep.
- 20756-68**
SPOT METHOD IN AGAR FOR THE QUANTITATIVE ASSAY OF ANTISALMONELLA ANTIBODY.
M Nakano Y Kishimoto K Saito
Jap J Microbiol 12(3):364-366
Sep 1968 448.8 J273
Antibodies, Biological assay, Culture media, Diagnosis, Methodology, Rodents, Salmonella enteritidis. English abstract
- 20757-68**
ELECTRON MICROSCOPY OF VIRUS-LIKE PARTICLES FOUND IN BOVINE LEUKEMIA.
K Nazarian R M Dutcher E P Larkin J J Tumilowicz C P Eusebio
Amer J Vet Res 29(2):387-395 REF
Feb 1968 41.8 AM3A
Cattle, Electron microscopy, Leukemia, Milk analysis, Morphology, Research, Virus diseases (animals).
- 20758-68**
PYRIMIDINE NUCLEOTIDE METABOLISM AND PATHWAYS OF THYMIDINE TRIPHOSPHATE BIOSYNTHESIS IN SALMONELLA TYPHIMURIUM.
J Neuhaud
J Bacteriol 96(5):1519-1527 REF
Nov 1968 448.3 J82
Metabolism, Nucleotides, Organophosphates, Pyrimidines, Salmonella typhimurium, Synthesis, Thymidine. English abstract
- 20759-68**
THE RELATION BETWEEN MILK PRODUCTION AND SENSITIVITY OF THE UDDER FOR INFECTION WITH SC. AGALACTIAE. (SL)
B Okljesa M Kopljar M Sviben
Vet Arh 37(7-8):187-192
1967 41.8 V6416
Agalactia, Cattle, Lactation, Mastitis, Statistical analysis, Streptococcus agalactiae. English and german abstracts
- 20760-68**
EXPERIMENTAL STUDIES ON ANCYLOSTOMIASIS IN CATS. VIII. DIAGNOSIS AND TREATMENT OF ANCYLOSTOMIASIS IN CATS.
S Okoshi Y Murata
Jap J Vet Sci 30(3):167-173
Jun 1968 41.8 J27
Ancylostoma tubaeforme, Ancylostomiasis, Anthelmintics, Cats, Diagnosis, Disphenol, Injections, Research, Tetrachloroethylene. Japanese summary
- 20761-68**
CUTANEOUS AND PENILE BOVINE FIBROPAPILLOMATOSIS AND ITS CONTROL.
C Olson M G Robl L L Larson
Amer Vet Med Ass J 153(9):1189-1194 REF
01 Nov 1968 41.8 AM3
Biochemistry, Bovine papilloma virus, Cattle, Dosage, Drug therapy, Epizootic diseases, Immunization, Papilloma, Virus diseases (animals).
- 20762-68**
CONDITIONAL LETHAL MUTANTS OF RABBITPOX VIRUS. III. TEMPERATURE-SENSITIVE (TS) MUTANTS; PHYSIOLOGICAL PROPERTIES, COMPLEMENTATION AND RECOMBINATION.
B L Padgett J K N Tomkins
Virology 36(2):161-167 REF
Oct 1968 448.8 V81
Assay, Autoradiography, Deoxyribonucleic acid, Genetics, Lethal factor, Mutation, Physiology, Rabbitpox virus, Research, Temperature, Viruses.

20763-68

20763-68

ENHANCEMENT OF CANDIDA ALBICANS VIRULENCE IN MICE INFECTION AND EFFICACY OF HAMYCIN.

M V Panse

Indian J Exp Biol 5(2):112-114

Apr 1967 442.8 IN2

Animal diseases, Antibiotics, Candida albicans, Drug therapy, Fungicides, Mice. English abstract

20764-68

VETERINARY EXAMINATION AND EVALUATION OF FATTENED SWINE SLAUGHTERED DURING THE ACTUAL COURSE OF RADIATION SICKNESS. (CZ)

O Pawel V Kalousova P Otoupal J Vranovska

Veterinarstvi 18(8):356-359

1968 41.8 V6439

Livestock diseases, Radiation, Swine.

20765-68

DIAGNOSIS OF TRANSMISSIBLE GASTROENTERITIS IN PIGS BY MEANS OF IMMUNOFLOURESCENCE.

M B Pensaert E O Haelterman T Burnstein

Can J Comp Med Vet Sci 32(4):555-561 REF

Oct 1968 41.8 C162

Animal diseases, Diagnosis, Fluorescent antibody technic, Gastroenteritis, Immunology, Injections, Research, Swine, Virus diseases (animals).

20766-68

A DIAGNOSTIC ANTIGEN FOR NOCARDIOSIS: COMPARATIVE TESTS IN CATTLE WITH NOCARDIOSIS AND MYCOBACTERIOSIS.

A C Pier J R Thurston A B Larsen

Amer J Vet Res 29(2):397-403 REF

Feb 1968 41.8 AM3A

Antigens, Cattle, Diagnosis, Livestock diseases, Mycobacterium, Nocardia asteroides, Noecardiosis, Research.

20767-68

RELATIONSHIP OF PELLETED, AUTOCLAVED AND HEAT-EXPANDED CORN OR STARVATION TO GASTRIC ULCERS IN SWINE.

E F Poocek H S Bayley C K Roe

J Anim Sci 27(5):1296-1302 REF

Sep 1968 49 J82

Animal diseases, Autoclaves, Corn, Diet, Starvation, Stomach, Swine, Ulcers.

20768-68

MALARIA: EXTRACELLULAR AMINO ACID REQUIREMENTS FOR IN VITRO GROWTH OF ERYTHROCYTIC FORMS OF PLASMODIUM KNOWLESII.

H Polet M E Conrad

Soc Exp Biol Med Proc 127(1):251-253

Jan 1968 442.9 SO1

Amino acids, Malaria, Metabolism, Plasmodium, Sporozoa, Tissue culture. English abstract

20769-68

RINDERPEST PROTECTION IN CATTLE BY MEASLES VIRUS. APPLICATION IN CALVES WITH PASSIVE IMMUNITY FROM MATERIAL ANTIBODIES. (FR)

A Provost Y Maurice C Borredon

Rev Elevage Med Vet Pays Trop 21(2):145-164 REF

1968 41.8 R3262

Antibodies, Cattle, Immunity, Measles virus, Rinderpest.

20770-68

STABILITY OF ATTENUATED CANINE DISTEMPER VACCINE DERIVED FROM CHICK EMBRYO TISSUE CULTURE.

J Prydie J Graham

Vet Rec 83(11):265-268

14 Sep 1960 41.8 V641

Canine distemper vaccines, Distilled water, Light, Temperature, Tissue culture.

20771-68

CANINE VISCERAL LEISHMANIASIS IN IRAN.

A Rafyi Al. Niak R Naghshineh H Aboutorabian

Vet Rec 83(11):269-271

14 Sep 1968 41.8 V641

Animal diseases, Histology, Injections, Kala-azar, Lymph nodes, Microscopy, Parasitic insects, Research, Tissue culture.

20772-68

ROLE OF THE BRUCELLOSE IN THE ETIOLOGY OF ABORTIONS OF THE BOVINES. (FR)

M Raspail

Lyon Ecole Nat Vet These 35:68 P. REF

09 Jun 1967 41.2 L99

Abortion, Animal diseases, Brucellosis, Cattle, Economics, Genes, Public health, Research, Veterinary medicine.

20773-68

LYOPHILIZED ANTI SHEEP-POX, WITH SENSITIZED VIRUS. (FR)

M Ribeiro P Surean

Inst Pasteur Algeria Arch 45:11-29 REF

1967 448.3 IN7A

Immunity, Lyophilization, Methodology, Sheep, Sheeppox, Vaccines.

20774-68

FELINE URETHRAL OBSTRUCTION: MINERAL ASPECTS.

L J Rieh R W Kirk

Amer J Vet Res 29(11):2149-2156

Nov 1968 41.8 AM3A

Animal diseases, Assay, Cats, Diet, Hydrogen-ion concentration, Injections, Minerals, Tables (data), Urogenital system.

20775-68

URACIL NUCLEOTIDE-RICH SEGMENTS IN THE NUCLEIC ACID MOLECULE OF BAI STRAIN A (MYELOBLASTOSIS) VIRUS AND THE QUESTION OF THEIR POSSIBLE PARTICIPATION IN THE SPECIFIC SHAPE OF THE ABSORBANCE-TEMPERATURE PROFILE OF HIGH MOLECULAR WEIGHT VIRUS NUCLEIC ACID (V-ORNA) IN STANDARD CITRATE BUFFER.

J Riman

Folia Biol (praha) 13(2):122-135 REF

1967 442.8 F712

Animal physiology, Biochemistry, Neoplasms, Nucleic acids, Uracil, Viruses. English abstract

20776-68

AN OUTBREAK OF MUCOSAL DISEASE IN KENYA.

R W Roach

Bull Epizoot Dis Afr 16(1):81-91

Mar 1968 41.8 B872

Antibodies, Calves, Livestock diseases, Mortality, Mucosal disease.

20777-68

SEROLOGICAL INVESTIGATION OF BRUCELLOSIS IN GAME ANIMALS IN TANZANIA.

R Saehs C Staak C M Grocock

Bull Epizoot Dis Afr 16(1):93-100 MAP REF

Mar 1968 41.8 B872

Blood serum, Brucella, Brucellosis, Research, Wildlife diseases.

20778-68

SOME STUDIES OF INFECTIOUS BOVINE RHINOTRACHEITIS (IBR) VIRUS INFECTION IN CALVES.

S A Sattar E H Bohl

Can J Comp Med Vet Sci 32(4):587-592 REF

Oct 1968 41.8 C162

Dairy cattle, Immunity, Infectious bovine rhinotracheitis virus, Research, Serum, Virus diseases (animals).

20779-68

INCIDENCE AND TYPES OF CANINE RECTAL CARCINOMAS.

E Schaffer B Schieffer

J Small Anim Pract 9(10):491-496 REF

Oct 1968 41.8 J8292

Adenocarcinoma, Adenoma, Autopsies, Carcinoma, Dogs, Livestock diseases, Metastasis, Mucins, Rectum.

20780-68

RHINOVIRUSES: THE ISOLATION AND CHARACTERIZATION OF THREE NEW SEROLOGIC TYPES.

J H Schieble E H Lennette V L Fox

Soc Exp Biol Med Proc 127(1):324-328 REF

Jan 1968 442.9 SO1

Biochemistry, Respiratory diseases, Rhinoviruses, Serodiagnosis. English abstract

20781-68

EXPRESSION AND LOCALIZATION OF ESCHERICHIA COLI ALKALINE PHOSPHATASE SYNTHESIZED IN SALMONELLA TYPHIMURIUM CYTOPLASM.

M J Schlesinger R Olsen

J Bacteriol 96(5):1601-1605 REF

Nov 1968 448.3 J82

Alkaline phosphatase, Biochemistry, Cytoplasm, Escherichia coli, Genetics, Salmonella typhimurium, Synthesis. English abstract

20782-68

ZINC REQUIREMENT OF BABY PIGS ON CASEIN DIETS.

S H Shanklin E R Miller D E Ullrey J A Hoefler

R W Luecke

J Nutr 96(1):101-108 REF

Sep 1968 389.8 J82

Alkaline phosphatase, Animal nutrition, Baby pigs, Blood serum, Casein, Chemurgy, Deficiency diseases, Diet, Obesity, Parakeratosis, Zinc.

20783-68

PRELIMINARY STUDIES ON LIVING CULTURE AND INACTIVATED VACCINES AGAINST CONTAGIOUS BOVINE PLEUROPNEUMONIA.

M Shifrine J Beech

Bull Epizoot Dis Afr 16(1):47-52

Mar 1968 41.8 B872

Cattle, Immunization, Infectious diseases, Mycoplasma mycoides, Pleuropneumonia, Research.

20784-68

IRON INJECTION AND HAM ACCEPTABILITY.

G C Skelley D L Handlin E E Leslie

J Anim Sci 27(5):1261-1265

Sep 1968 49 J82

Agricultural regulation, Animal physiology, Injections, Iron, Meat.

20785-68

THE LOCATION OF THE PARASITES IN MUSCLE CYSTICERCOSIS.

J Slaiss

Folia Parasitol 14(3):217-223 REF

1967 436.8 C33

Animal histology, Cestoda, Cysticercus bovis, Cysticercus cellulosae, Livestock diseases, Muses, Parasitism, Swine.

20786-68

CONCENTRATION OF LIVER IRON IN CALVES AND RESPONSE TO DIETARY IRON AND DESFERRIOXAMINE.

G J St-Laurent G J Brisson

J Anim Sci 27(5):1426-1430 REF

Sep 1968 49 J82

Animal physiology, Cattle, Diet, Iron, Liver.

20787-68

VACCINATION AGAINST LEPTOSPIROSIS: IMMUNOGENICITY OF VIABLE, AVIRULENT LEPTOSPIRA POMONA IN HAMSTERS, SWINE, AND CATTLE.

O H V Stalheim

Amer J Vet Res 29(2):473-478 REF

Feb 1968 41.8 AM3A

Cattle, Hamsters, Immunity, Immunization, Leptospira pomona, Leptospirosis, Livestock diseases, Swine, Tables (data).

- 20788-68**
INHIBITION OF TRICHINELLA SPIRALIS COMPLEMENT FIXATION BY IMMUNE MACROGLOBULIN.
 R W Stevens J T Utter M S Rubin
Soc Exp Biol Med Proc 129(3):828-831
 Dec 1968 442.9 SO1
 Antibodies, Complement fixation, Immunology, *Trichinella spiralis*. English abstract
- 20789-68**
INFLUENCE OF SENDAI VIRUS ON RSV FORMATION IN MIXED CULTURE OF VIROGENIC MAMMALIAN CELLS AND CHICKEN FIBROBLASTS.
 J Svoboda O Machala I Hlozaneck
Folia Biol (praha) 13(2):155-157 REF
 1967 442.8 F712
 Animal physiology, Cells, Parainfluenza-1 virus, Rous sarcoma virus, Tissue culture, Viruses. English abstract
- 20790-68**
SPIRAMYCINE IN THE TREATMENT OF BOVINE MASTITIS BY THE PARENTERAL ROUTE.
 P Szokolay L Wemmert
Nord Veterinaermed 20(6):321-329
 Jun 1968 41.8 N813
 Antibiotics, Cattle, Injections, Mastitis, Milk analysis, Research, Spiramycin, Streptococcosis. German and English summary
- 20791-68**
INVESTIGATION INTO ELECTRONIC CELL NUMBER COUNTING BRABANTER MASTITIS-REACTION, WHITESIDF MASTITIS TEST AND LAB COAGULATION TIME OF MILK. (GE)
 G Terplan R Schleyerbach
Arch Lebensmittelhyg 18(9):195-200 REF
 Sep 1967 41.8 L49
 Agalactia, Blood coagulation, Cells, Diagnosis, Mastitis, Milk analysis, Statistical analysis. German abstract
- 20792-68**
FILARIAL INFECTIONS OF DOGS IN ATLANTA, GEORGIA.
 J P Thrasher K G Gould M J Lynch C C Harris
Amer Vet Med Ass J 153(8):1059-1063 REF
 15 Oct 1968 41.8 AM3
 Animal diseases, Blood, *Dipetalonema reconditum*, *Dirofilaria immitis*, Dogs, Filariasis, Research.
- 20793-68**
ANTIBIOTICS IN VETERINARY THERAPEUTICS.
 P Villemin
Cah Med Vet 37(3):67-81
 May 1968 41.8 C11
 Animal diseases, Antibiotics, Drug therapy, Veterinary medicine.
- 20794-68**
EXPERIENCE WITH THE LYSINE-CARBOXYLASE REACTION IN SALMONELLA DIAGNOSIS. (GE)
 G van der Wall
Arch Lebensmittelhyg 18(6):128-131 REF
 Jun 1967 41.8 L49
 Animal diseases, Biochemistry, Carboxylases, Diagnosis, Enterobacteriaceae, Lysine, Salmonella. German abstract
- 20795-68**
A COMMON SURFACE ANTIGEN IN INFLUENZA VIRUSES FROM HUMAN AND AVIAN SOURCES.
 R G Webster H G Pereira
J Gen Virol 3(2):201-208 REF
 Sep 1968 Q0R360.0A10J6
 Antigens, Birds, Human diseases, Influenza viruses, Serological tests.
- 20796-68**
CONTROL AND THERAPY OF FOOT-ROT IN SHEEP IN THE PROVINCE OF FRIESLAND. (DU)
 G D V D Werff
Tijdschr Diergeneesk 18(93):1133-1139
 15 Sep 1968 41.8 T431
 Foot rot (animals), Livestock diseases, Pest control, Sheep, Therapeutics.
- 20797-68**
ENHANCEMENT OF INFECTIVITY OF A MAMMALIAN VIRUS PREPARATION AFTER INJECTION INTO INSECTS.
 R F Whitcomb D D Jensen
Virology 34(1):182-184
 Jan 1968 448.8 V81
Agallia constricta, *Colladonus montanus*, Insect vectors, Reoviruses, RNA, Virus diseases (animals), Virus diseases (plants).
- 20798-68**
IN VITRO AND IN VIVO RUMEN MICROBIOLOGICAL STUDIES WITH 2-CHLORO-4,6-BIS(ISOPRO-PYLAMINO)-S-TRIAZINE (PROPAAZINE).
 P P Williams K L Davison E J Thacker
J Anim Sci 27(5):1472-1476 REF
 Sep 1968 49 J82
 Animal physiology, Culture media, Microbiology, Propazin, Research, Rumen.
- 20799-68**
DIETARY INTERRELATIONSHIP OF COBALT AND SELENIUM IN LAMBS.
 W R Wise P H Weswig O H Muth J E Oldfield
J Anim Sci 27(5):1462-1465 REF
 Sep 1968 49 J82
 Animal nutrition, Cobalt, Diet, Lambs, Selenium.
- 20800-68**
FIELD VECTOR STUDIES OF EPIZOOTIC EAST COAST FEVER VI.THE OCCURRENCE OF AMBLYOMMA VARIEGATUM AND A. LEPIDUM IN THE EAST COAST FEVER ZONES.
 G H Yeoman
Bull Epizoot Dis Afr 16(2):183-203 MAP REF
 Jun 1968 41.8 B872
Amblyomma, Cattle, Epizootic diseases, Insect vectors, Ixodidae, Sporozoa, Theileriasis.
- 20801-68**
FIELD VECTOR STUDIES OF EPIZOOTIC EAST COAST FEVER. V. THE OCCURRENCE OF BOOPHILUS DECLORATUS IN THE EAST COAST FEVER ZONES.
 G H Yeoman
Bull Epizoot Dis Afr 16(1):7-20 MAP REF
 Mar 1968 41.8 B872
Boophilus decoloratus, Cattle, Fever, Goats, Insect dissemination, Insect vectors, Ixodidae, Sheep, *Theileria parva*.
- 20802-68**
COMBINED INOCULATION OF SWINE AGAINST AUJESKY'S DISEASE AND PLAGUE, AND AUJESKY'S DISEASE AND ERYSIPELAS WITH LIVE VACCINES. (CZ)
 A Zuffa O Zak J Vlcek A Eollos E Wagner N Calovo
Veterinarstvi 18(8):343-346
 1968 41.8 V6439
 Immunization, Pseudorabies, Swine, Swine erysipelas, Swine plague, Vaccines.
- 20803-68**
STUDIES ON ANAPLASMA OVIS INFECTION. II. PATHOGENICITY OF A NIGERIAN GOAT STRAIN FOR DUTCH SHEEP AND GOATS.
 D Zwart J Buys
Bull Epizoot Dis Afr 16(1):73-80
 Mar 1968 41.8 B872
Anaplasma ovis, Blood parasites, Goats, Infectious diseases, Livestock diseases, Sheep, Spleen.
- 20804-68**
EFFECTS OF TEMPERATURE ON THE DEVELOPMENT OF THE DOG HEARTWORM,
- DIROFILARIA IMMITIS, IN AEDES SOLICITANS.**
 F D Beam
N J Mosquito Exterm Ass Proc 54:128-138 REF
 Mar 1967 420 N46
Aedes sollicitans, Blood, *Dirofilaria immitis*, Insect physiology, Larvae, Mortality, Physiology, Research, Temperature.
- 20805-68**
THE SUMMER AND AUTUMN DAILY ACTIVITY OF COMMON WOOD TICKS IN THE WOODS OF JEZIRKO NEAR BRNO. (GE)
 I Bouckova V Dyk
Angew Parasitol 09(1):36-40
 Feb 1968 436.8 AN4
 Acarina, Insect ecology, *Ixodes ricinus*, Sheep, German, russian, english and czech abstract
- 20806-68**
SMALL MAMMALS AND THEIR EC-TOPARASITES FROM THE SCOTTISCH ISLANDS OF HANDA (SUTHERLAND), MUCK, PABAY, SCALPAY AND SOAY (INNER HEBRIDES).
 G B Corbet R A D Cameron J J D Greenwood
Linn Soc London J Zool 47(312):301-307
 Apr 1968 410.9 L64
 Acarina, Animal ecology, Mammals, Parasitic insects, Siphonaptera, Surveys, Zoogeography. English abstract
- 20807-68**
TRANSMISSION OF ATTENUATED AND VIRULENT BLUETONGUE VIRUS WITH CULICOIDES VARIIPENNIS INFECTED ORALLY VIA SHEEP.
 N M Foster R H Jones A J Luedke
Amer J Vet Res 29(2):275-279
 Feb 1968 41.8 AM3A
 Bluetongue virus, *Culicoides variipennis*, Immunization, Infectious diseases, Insect vectors, Livestock diseases, Sheep, Virus diseases (animals).
- 20808-68**
PIPERAZINE IN VETERINARY MEDICINE. (IT)
 G Gasparini
Veterinaria (milano) 17(3):143-155 REF
 May 1968 41.8 V6499
 Anthelmintics, Drug therapy, Livestock diseases, Metabolism, Parasitism, Piperazine.

PARASITES

- 20809-68**
HELMINTHOFAUNA OF DOMESTIC FOWL, PHEASANTS AND PARTRIDGES IN THE COUNTRY. (GE)
 J Bejsovec
Angew Parasitol 09(1):15-20 MAP REF
 Feb 1968 436.8 AN4
 Helminthiasis, Pheasants, Poultry, Wildlife pests, German, russian, english and czech abstract
- 20810-68**
BOVINE FASCIOLIASIS IN KENYA.
 P K Bitakaramire
Bull Epizoot Dis Afr 16(1):107-113
 Mar 1968 41.8 B872
 Cattle, Fascioliasis, Liver, Research, Slaughterhouses, Trematoda.
- 20811-68**
DIAGNOSIS OF TREMATODIASIS IN RUMINANTS (FASCIOLIASIS, PARAMPHISTOMIASIS, DICROCELIASIS) BY MODIFIED FLotationSEDIMENTATION METHODS AFTER BREZA (1963). (CZ)
 M Breza V Takacs
Veterinarstvi 18(8):346-349
 1968 41.8 V6439

ARTHROPODS

20812-68

Amphistomiasis, Diagnosis, Dicrocoeliasis, Fascioliasis, Flotation, Ruminants, Sedimentation, Trematodiasis.

20812-68

FIELD TRIALS IN HORSES WITH PYRANTEL TARTRATE.

R L Cornwell R M Jones

Vet Rec 82(21):586-587

25 May 1968 41.8 V641

Anthelmintics, Ascaris, Drug therapy, Feces, Horses, Larvae, Parasitism, Pyrantel tartrate, Strongyloides, Toxicology.

20813-68

EFFECTS OF AN ULTRAVIOLET RADIATION ON INVASIONS OF ASCARIDIA GALLI. (CZ)

P Dubinsku

Biologia (bratislava) 23(2):138-142 REF

1968 442.8 B5265

Ascaridae, Nematodes, Poultry, Therapeutics, Ultraviolet rays. Czech, russian and german abstracts

20814-68

RECOVERY OF PORCINE LIVER FROM DAMAGE CAUSED BY MIGRATING X-IRRADIATED AND NONIRRADIATED LARVAE OF ASCARIS SUUM.

D L Ferguson C A Mebus M J Twichaus

Amer J Vet Res 29(2):233-243

Feb 1968 41.8 AM3A

Ascaris lumbricoides suum, Dosage, Larvae, Liver, Nematodes, Swine, X-rays, Zoogeography.

20815-68

EXPERIMENTS ON THE EFFECTIVENESS OF HALOXON AGAINST TRICHINELLA SPIRALIS. (SP)

A M Fernandez M Cordero del Campillo B A Gancedo

Rev Iberica Parasitol 27(3-4):173-187 REF

Jul 1967 436.8 R32

Animal diseases, Chemical control (nematodes), Dichlorosulfamoylbenzoic acid, p-(N,N-, Hamsters, Rats, Therapeutics, Trichinella spiralis. German, English and Spanish summaries

Abstract

20816-68

STUDIES ON THE SERUM PROTEINS IN EXPERIMENTAL FASCIOLIASIS OF SHEEP.

S Furmaga J L Gundlach

Acta Parasitol Polon 15(1-21):93-102 REF

30 Nov 1967 436.8 AC8

Biochemistry, Blood analysis, Fascioliasis, Proteins, Serodiagnosis, Sheep.

English and polish abstracts.

20817-68

REGULATION OF FEEDING IN LEECHES.

R Galun S H Kindler

Experientia 24(11):1140

15 Nov 1968 475 EX7

Animal physiology, Blood, Chemoreceptors, Feeding, Hirudinea. French abstract

20818-68

THE POSSIBLE ROLE OF THE ALGAE CLADOPHORA GLOMERATA ON THE BIOLOGICAL CONTROL OF BIOMPHALARIA BOISSYI, THE SNAIL HOST OF SCHISTOSOMA MANSONI.

M M Ishac H M Bishai

Hydrobiologia 32(1-2):168-180 REF

19 Aug 1968 410 H992

Algae, Biological control (pests), Schistosoma, Snails, Trematoda. English abstract

20819-68

STUDIES ON AVIAN MALARIA IN JAPAN. II. PATHOGENICITY OF THE PARASITE. (JAP)

K Itagaki M Tsubokura

Jap J Vet Sci 30(2):73-80 REF

Apr 1968 41.8 J27

Livestock diseases, Malaria, Parasitism, Poultry, Research. English summary

20820-68

STUDIES ON THE INTERRELATIONSHIPS BETWEEN VITAMIN A INTAKE AND DICTYOCAULUS VIVIPARUS INFECTION IN CALVES.

J B W Jackman H C Gibbs

Can Vet J 9(9):199-209 REF

Sep 1968 41.8 R3224

Cattle, Dictyocaulus viviparus, Food additives, Nematodes, Research, Tables (data), Vitamin a. French summary

20821-68

NOTES ON A COLLECTION OF NEMATODE PARASITES OF LIVESTOCK OF KARACHI.

M I Khan

Agr Pakistan 18(2):269-276

Jun 1967 22 AG832

Catalogs, Livestock, Nematodiasis.

20822-68

HISTOCHEMICAL STUDIES OF CHOLINESTERASE ACTIVITY IN PARAMPHISTOMUM CERVI AND DIPLODISCUS SUBCLAVATUS.

N Kralj A Lui

Vet Arh 37(9-10):257-261

1967 41.8 V6416

Cholinesterases, Enzymes, Histochemistry, Paramphistomum cervi, Trematoda. French and yugoslavian abstracts

20823-68

ACTIVITY OF DL-TETRAMISOLE AGAINST GASTROINTESTINAL HELMINTHS IN A CONTROLLED TEST IN LAMBS.

E T Lyons J H Drudge S C Tolliver

Amer J Vet Res 29(11):2157-2162 REF

Nov 1968 41.8 AM3A

Biochemistry, Drug therapy, Gastrointestinal system, Helminthiasis, Lambs, Preventive medicine, Tables (data), Tetramisole.

20824-68

THE OCCURRENCE OF LEUCOCYTOZOON CAULLERYI IN DOMESTIC FOWLS IN THE PHILIPPINES.

M F Manuel

Vet Rec 81(10):236-237

02 Sep 1968 41.8 V641

Chickens, Leucocytozoon caulleryi, Parasitism.

20825-68

FIRST PARASITIC ECDYSIS OF HAEMONCHUS CONTORTUS IN VITRO WITHOUT STIMULATION BY CARBON DIOXIDE.

G Meza-Ruiz N E Alger

Exp Parasitol 22(2):219-222

Apr 1968 436.8 EX7

Animal physiology, Biochemistry, Carbon dioxide, Haemonchus contortus.

Abstract

20826-68

ESCHERICHIA COLI INFECTIONS IN EARLY WEANED PIGS.

O P Miniats C K Roe

Can Vet J 9(9):210-217 REF

Sep 1968 41.8 R3224

Baby pigs, Culture media, Diarrhea, Escherichia coli, Feed, Research, Weaning. French summary

20827-68

A SURVEY OF DISEASES FOUND IN DOGS IN KENYA.

M Murray

Bull Epizoot Dis Afr 16(1):121-127 REF

Mar 1968 41.8 B872

Autopsies, Dogs, Helminthiasis, Infectious diseases, Mortality.

20828-68

EXPERIMENTAL STUDIES ON TOXASCARIS LEONINA. V. EXPERIMENTAL INFECTION OF DOGS AND CATS WITH EGGS OF CANINE, FELINE AND FELIDAE STRAINS.

S Okoshi M Usui

Jap J Vet Sci 30(2):81-91

Apr 1968 41.8 J27

Animal diseases, Cats, Dogs, Parasitism, Research, Toxascaris leonina. Japanese summary

20829-68

ENZOOTIC OF BOVINE RINGWORM CAUSED BY TRICHOPHYTON VERRUCOSUM IN JAPAN.

S Okoshi A Hasegawa

Jap J Vet Sci 30(2):93-96 REF

Apr 1968 41.8 J27

Cattle, Livestock diseases, Ringworm, Trichophyton verrucosum. Japanese summary

20830-68

EXPERIMENTAL STUDIES ON ANCYLOSTOMIASIS IN CATS. VII. EXPERIMENTAL INFECTION AND VISCERAL MIGRATION OF LARVAE OF ANCYLOSTOMA TUBAEFORME AND ANCYLOSTOMA CANINUM IN MICE AND CHICKENS.

S Okoshi Y Murata

Jap J Vet Sci 30(2):97-107 REF

Apr 1968 41.8 J27

Ancylostoma caninum, Ancylostoma tubaeforme, Ancylostomiasis, Cats, Chickens, Larvae, Mice, Research, Viscera. Japanese summary

20831-68

THE PROCESS OF THE PENETRATION OF INVASIVE LARVAE OF BUNDESTOMUM PHLEBOTOMUM (RAILLIET, 1900) INTO THE HOST BODY. (CZ)

J Pacenovsky M Brezanska

Czech Min Zemed Les Hospod Ustav Vedeckotech Inform Vet Med 13(41):377-383

1968 41.9 C333

Ancylostomatidae, Cattle, Histology, Larvae, Nematodes. English, czech, russian and german abstracts

20832-68

HOOKWORMS AND OTHER HELMINTHS IN DOGS, CATS AND MAN IN SURINAM.

B H Rep

Trop Geogr Med 20(3):262-270 MAP

Sep 1968 448.8 D65

Ancylostoma ceylanicum, Ascaris, Cats, Cestoda, Dogs, Filariasis, Helminthiasis, Human diseases, Parasitism, Tables (data), Zoogeography. French summary

20833-68

PARASITIC NEMATODES OF THE ALIMENTARY TRACT OF HORSES IN THE LUBLIN PALATINATE.

K Sobieszewski

Acta Parasitol Polon 15(1-21):103-108

30 Nov 1967 436.8 AC8

Autopsies, Gastrointestinal system, Horses, Nematodes, Poland.

Polish and english abstracts.

20834-68

STUDIES ON IMMUNITY OF CALVES TO DICTYOCAULUS VIVIPARUS REINFECTION. II. RELATIONSHIP BETWEEN THE AGE OF CALVES AND THE DOSE OF LARVAE CAUSING CLINICAL AND LETHAL COURSE OF DICTYOCAULOSIS.

M Swietlikowski

Acta Parasitol Polon 15(1-21):151-156 REF

30 Nov 1967 436.8 AC8

Aging, Calves, Dictyocaulus viviparus, Immunity, Larvae.

English and polish abstracts.

20835-68

STUDIES ON IMMUNITY OF CALVES TO DICTYOCAULUS VIVIPARUS REINFECTION. I. IMMUNIZATION WITH SINGLE AND DOUBLE DOSES OF NORMAL OR IRRADIATED LARVAE.

M Swietlikowski

Acta Parasitol Polon 15(1-21):141-149 REF

30 Nov 1967 436.8 AC8

Calves, Dictyocaulus viviparus, Immunity, Larvae, X-rays.

English and polish abstracts.

20836-68

RELATIONSHIP BETWEEN INFECTING DOSE, MUSCLE PARASITISM, AND ANTIBODY RESPONSE IN EXPERIMENTAL TRICHINOSIS IN RABBITS.

C E Tanner

J Parasitol 54(1):98-107

Feb 1968 448.8 J824

Antibodies, Electrophoresis, Immunology, Parasitism, Rabbits, Research, Trichinella spiralis, Trichinosis.

20837-68

ANTHELMINTIC TREATMENT FOR CAPILLARIA FELISCATI IN THE CAT.

A H Waddell

Vet Rec 82(21):598 REF

25 May 1968 41.8 V641

Anthelmintics, Bladder, Capillaria feliscati, Cats, Chemical control (nematodes), Drug therapy, Methylcholine, Parasitology.

20838-68

HEMATOLOGY, GROWTH AND EFFICIENCY OF LAMBS AS INFLUENCED BY H. CONTORTUS INFECTION. (ABSTRACT).

L L Wilson T L Merritt M C Rugh C E

Thompson H Rothenbacher

J Anim Sci 27(5):1513

Sep 1968 49 J82

Animal physiology, Haemonchus contortus, Hematology, Lambs, Parasitism. Abstract of American Society of Animal Science meeting

20839-68

THE MORPHOLOGY OF CHANGES CAUSED BY FASCIOLOIDES MAGNA BASSI 1875 IN CATTLE. (CZ)

Z Zahor C Proks J Vitovec

Czech Min Zemed Les Hospod Ustav Vedeckotech Inform Vet Med 13(41):369-375 REF

1968 41.9 C333

Animal morphology, Animal physiology, Cattle, Fascioloides magna, Histology, Trematoda. English, czech, russian and german abstracts

20840-68

EXPERIMENTAL STUDIES OF THE RELATIONSHIP BETWEEN THE SOMATIC PROPERTY AND THE PHYSIOLOGICAL ACTIVITY OF THE NEMATODE ASCARIDIA GALLI. (GE)

I Zmoray P Lestan

Biologia (bratislava) 23(2):103-112 REF

1968 442.8 B5265

Animal physiology, Ascaridae, Nematodes. Russian, szech and german abstracts

20841-68

A COMPARATIVE ANALYSIS OF THE LOCALIZATION OF CHOLINESTERASE IN SOME PARASITIC NEMATODES. I, STRONGYLUS EDENTATUS, S. VULGARIS, METASTRONGYLUS ELONGATUS AND CHOEROSTRONGYLUS PUDENDOTECTUS.

D Znidaric A Lui

Vet Arh 37(9-10):262-267

1967 41.8 V6416

Animal physiology, Biochemistry, Cholinesterases, Metastrongylus, Nematodes, Strongyloides. French and Yugoslavian abstracts

COMMODITY PROTECTION

20842-68

FOREIGN QUARANTINE NOTICES. FRUITS AND VEGETABLES. ADMINISTRATIVE INSTRUCTIONS PRESCRIBING METHOD OF TREATMENT OF ORANGES, GRAPEFRUIT, CITRONS (CITRUS MEDICA) AND TANGERINES FOR MEDITERRANEAN FRUIT FLY.

Fed Regist 33(80):6228-6229

24 Apr 1968 L1.451

Ceratitis capitata, Citron, Ethylene dibromide, Fumigation, Grapefruit, Import control, Mandarin oranges, Oranges.

20843-68

FOREIGN QUARANTINE NOTICES. CITRUS FRUITS.

Fed Regist 32(218):15577

09 Nov 1967 L1.451

Import control, Oranges, Quarantine.

STORAGE DISEASES

20844-68

RADIATION-HEAT INTERACTION IN POSTHARVEST TREATMENT OF STRAWBERRY FRUITS. (ABSTRACT).

N F Sommer R J Fortlage Buckley F G Mitchell

Phytopathology 57(8):832

Aug 1967 464.8 P56

Botrytis cinerea, Gamma rays, Gray mold (strawberries), Heat, Storage diseases, Strawberries.

ARTHROPODS

20845-68

GUIDE LINES FOR THE TESTING OF SPRAY COMPOUNDS AND AUTOMATIC SPRAYS AGAINST CLOTHES MOTHS. (GE)

W Frey

Berlin Biol Bundesanst Land-forstwirtschaft Mitt (3):1-18

1968 410.9 G31M

Chemical control (insects), Insecticidal aerosols, Methodology, Moths, Tineidae, Tineola bisselliella.

MICROBIAL CONTAMINATION

20846-68

PRESENCE OF SALMONELLA IN GROUND BEEF MEAT FROM A BRUCELLOSIS REGION. (FR)

L Fievez A Granville P Ghenne P Detroy C Nzuzi

Ann Med Vet 111(4):210-214

Jun 1967 41.8 AN78

Brucellosis, Meat, Salmonella typhimurium. English and French summaries

Abstract

ENVIRONMENTAL CONTAMINATION

20847-68

A BIOASSAY TECHNIQUE TO DETERMINE AMOUNT OF TERMITE CONTROL INSECTICIDE IN SOILS. (ABSTRACTED FROM PEST-CONTROL 34(1), 32-38, 1966).

V R Coleman

Pesticide Progr 5(5):160-161

Sep 1967 79.8 P434

Aldrin, Biological assay, Chlordane, Chlorinated hydrocarbons, Dieldrin, Drosophila melanogaster, Heptachlor, Insecticide residues, Pesticide analysis, Soils, Termites.

20848-68

CONTROLLING POLLUTION. THE PESTICIDE INDUSTRY TAKES ACTION. (42)

Farm Chem 130(11):38,40,112

Nov 1967 57.8 AM3

Air pollution, Industry, Pesticides, Water pollution, Water treatment.

20849-68

MICROBIOLOGICAL DECOMPOSITION OF ATRAZINE AND DIURON IN SOIL. (ABSTRACT).

L L McCormick

Pesticide Progr 5(3):75

May 1967 79.8 P434

Atrazine, Decomposition, Diuron, Glucose, Herbicides, Microbiology, Soils, Temperature. This was the author's abstract taken from Diss. Abstr. 26: 4-5, 1965.

20850-68

SOME EFFECTS ON MICROCRUSTACEANS OF COASTAL IMPOUNDMENTS FOR Aedes SOLICITANS CONTROL.

E Ruber

N J Mosquito Exterm Ass Proc 54:139-144

Mar 1967 420 N46

Aedes sollicitans, Insect control, Marshes, Pesticide residues, Pesticides.

20851-68

WATER PESTICIDES. 2.

Nat Center Urban Ind Health Study 31,81P REF

1968 TOD427.OP380N3

Aldrin, Chlorinated hydrocarbons, Dieldrin, DDT, Endrin, Heptachlor, Insecticides, Lindane, Metabolites, Methoxychlor, Pesticide analysis, Water pollution. Public Health Service publication 999-UH-10. environmental health series.

RESIDUES

20852-68

PROCEDURES FOR EXTRACTING RESIDUES OF PHOSPHORUS INSECTICIDES AND METABOLITES FROM FIELD-TREATED CROPS.

M C Bowman M Beroza D B Leuck

J Agr Food Chem 16(5):796-807

Sep 1968 381 J8223

Biochemistry, Chromatography, Crops, Insecticide residues, Insecticides, Metabolites, Methodology, Phosphorus, Plant extracts, Research, Tables (data).

20853-68

NEW SECTION FOR LONDON RESEARCH INSTITUTE.

Pesticide Progr 5(3):71-72

May 1967 79.8 P434

Insecticide residues, Insecticides, Soil microbiology, Soils.

20854-68

LINDANE RESIDUES ON PASTURE AND IN THE FAT OF SHEEP GRAZING PASTURE TREATED WITH LINDANE PRILLS.

J N Collett D L Harrison

New Zeal J Agr Res 11(3):589-600

Aug 1968 23 N4892

Grazing, Insecticide residues, Lindane, Pasture management, Sheep. English abstract

20855-68

CHEMICAL WEED KILLERS. THE RESIDUE PROBLEM.

T I Cox

New Zeal J Agr 117(2):64-65,67,69

Aug 1968 23 N48J

Chemical control (weeds), Crop rotation, Herbicides, Plant residues, Soil contamination. A discussion of the problems of residual contamination from herbicide use for weed-free environment emphasizes careful use and conscientious evaluation.

20856-68

AMINE DERIVATIVES FOR PESTICIDE RESIDUE ANALYSIS.

D G Crosby J B Bowers

J Agr Food Chem 16(5):839-843 REF

Sep 1968 381 J8223

Amines, Assay, Chromatography, Hydrolysis, Pesticide residues, Research, Sugar beets.

20857-68

DIAZINON RESIDUES IN THE MILK OF COWS AND FAT OF SHEEP AFTER FEEDING ON PASTURE TREATED WITH DIAZINON. (AB-

RESIDUES

20858-68

STRACTED FROM NEW ZEALAND JOUR. AGRIC. RES.9(1):1-7 1966.
D L Harrison B A Hastic
Pesticide Progr 5(5):162
Sep 1967 79.8 P434
Cattle, Diazinon, Feeding, Insecticide residues, Milk, Pastures, Sheep.
Abstract

20858-68

DEATH OF A DOG UNDER SEDATION.
V A Harrison
Vet Rec 82(21):608
25 May 1968 41.8 V641
Anesthetics, Atropine, Death, Dogs, Hypnorm, Nalorphine hydrobromide.

20859-68

PESTICIDE MOBILITY: DETERMINATION BY SOIL THIN LAYER CHROMATOGRAPHY.
C S Helling B C Turner
Science 162(3853):562-563 REF
01 Nov 1968 470 SCI2
Biochemistry, Chromatography, Environment, Pesticide application, Pesticide residues, Pesticides, Research, Soil adsorption, Soil series.

20860-68

ELIMINATION OF DIELDRIN FROM BEEF CATTLE.
R Hironaka
Can Vet J 9(8):167-169
Aug 1968 41.8 R3224
Biochemistry, Cattle, Dieldrin, Feed, Insecticide residues, Laboratory animals, Research, Vitamins. French summary.

20861-68

INSECTICIDAL LABORATORY STUDIES ON THE SISAL WEEVIL (SCYPHOPHORUS INTERSTITIALIS GYLL., CURCULIONIDAE, COLEOPTERA). IV. PERSISTENCE OF ALDRIN AND DIELDRIN IN THE SOIL.
M E A Materu
Arusha Trop Pesticides Res Inst Misc Rep 566:13 P.
Jun 1966 423.92 G7922

Aldrin, Biochemistry, Chemical control (insects), Dieldrin, Insecticide residues, Insecticides, Research, Scyphophorus interstitialis, Soils.

20862-68

EFFECTS OF INSECTICIDE LOCATION ON PHORATE ABSORPTION BY BEAN PLANTS FROM THREE SOILS.
R S Patterson W A Rawlins
Fla Entomol 51(4):241-245 REF
Dec 1968 420 F662
Beans, Insecticide residues, Phorate, Soil organic matter. English abstract

20863-68

DETERMINATION OF INSECTICIDE RESIDUE IN ANIMAL AND PLANT TISSUES. V. A DEVICE OF PREPARING THE SPECIFIC DETECTOR OF GAS CHROMATOGRAPHY HIGHLY SENSITIVE TO ORGANOPHOSPHORUS INSECTICIDES.
Y Sato J Miyamoto S Suzuki
Botyu-kagaku 33(1):8-12
Feb 1968 421 B65

Animals, Chemicals, Chromatography, Insecticide residues, Insecticides, Organic compounds, Phosphorus, Plants, Tissues. Japanese summary

20864-68

TRICHLORFON RESIDUES ON PASTURE.
S R B Solly
New Zeal J Agr Res 11(3):625-630
Aug 1968 23 N4892
Insecticide residues, Pastures, Trichlorfon. English abstract

20865-68

DANGER TO THE COMMUNITY THROUGH USE OF CHEMICAL PLANT PRESERVATIVES. (GE)

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Gesunde Pflanzen 20(1):4-8
Jan 1968 464.8 G33
Chemicals, Food processing, Pesticide residues, Plants, Public health.

TOXICOLOGY

20866-68

NOTES OF TOXICOLOGY-SORGHUM.
F Bottarelli
Veterinaria (milano) 17(3):189-195 REF
May 1968 41.8 V6499
Reports, Sorghum, Sorghum halepense, Toxicology.

20867-68

PROTECTION IS VITAL WHEN USING DANGEROUS SPRAYS IN GLASSHOUSES.
W Brandenburg
New Zeal J Agr 116 (4):22-25
Apr 1968 23 N48J
Greenhouses, Poisoning, Protective clothing, Spraying, Toxicology.

20868-68

CARCINOGENIC ACTION OF GROUNDNUT MEAL CONTAINING AFLATOXIN IN RATS.
W H Butler J M Barnes
Food Cosmet Toxicol 6(2):135-141 REF
Aug 1968 391.8 F73
Aflatoxin, Carcinogens, Diet, Laboratories, Neoplasms, Peanuts, Rats, Research. German and French summary

20869-68

HANDLING ANIMAL POISONING COMPLAINTS.
W D Ditman
Northeast Weed Contr Conf Proc 22:139-140
03 Jan 1968 79.9 N814
Animals, Pesticides, Poisoning.

20870-68

INFLUENCE OF INDUCTION OF HEPATIC MICROSOMAL ENZYMES BY PHENOBARBITAL ON TOXICITY OF ORGANIC PHOSPHATE INSECTICIDES.
K P DuBois F K Kinoshita
Soc Exp Biol Med Proc 129(3):699-702
Dec 1968 442.9 SO1
Animal physiology, Insecticides, Metabolism, Microsomes, Narcotics, Organophosphorus compounds, Toxicology. English abstract

20871-68

PHARMACOLOGICAL PROPERTIES OF THE REGURGITATED CROP FLUID OF THE AFRICAN MIGRATORY LOCUST, LOCUSTA MIGRATORIA L..
M A Freeman
Compar Biochem Physiol 26(3):1041-1049 REF
Sep 1968 444.8 C73

Animal diseases, Locusta migratoria, Proteinases, Salivary glands, Toxins.
Abstract

20872-68

RESPIRATORY EXPOSURE TO ORGANOPHOSPHORUS INSECTICIDES. (ABSTRACT).
W V Hartwell G R Hayes
Pesticide Progr 5(3):73
May 1967 79.8 P434

Cholinesterases, Humans, Insecticides, Parathion, Respiration, Toxicology. This was the author's abstract from Arch. Environ. Health 11: 564-568. 1965.

20873-68

ORAL TOXICITY OF LINURON (3-(3,4-DICHLOROPHENYL)-1-METHOXY-1-METHYLUREA) IN RATS AND DOGS.
H C Hodge W L Downs D W Smith E A Maynard J W Clayton
Food Cosmet Toxicol 6(2):171-183

Aug 1968 391.8 F73
Diet, Dogs, Feeding, Linuron, Physiology, Pigments, Rats, Research, Toxicology. German and French summary

20874-68

SERUM ELECTROLYTE, ACID-BASE BALANCE, AND ENZYME CHANGES IN ACUTE HALOGETON GLOMERATUS POISONING IN SHEEP.
L F James
Can J Comp Med Vet Sci 32(4):539-543 REF
Oct 1968 41.8 C162

Biochemistry, Electrolytes, Enzymes, Feeding, Measurement, Metabolism, Serum, Sheep, Tissues, Toxicology.

20875-68

INSECTICIDE POISONING: DANGER AREA FOR THE PRACTITIONER.
D W Jolly
Mod Vet Pract 49(9):48-50
Sep 1968 41.8 N812

Accident prevention, Autopsies, Insecticides, Pesticides, Poisoning, Research, Toxicology.

20876-68

AFLATOXIN FORMATION BY ASPERGILLUS FLAVUS AND ASPERGILLUS PARASITICUS IN A CASEIN SUBSTRATE AT DIFFERENT PH VALUES.
J L Lie E H Marth
J Dairy Sci 51(11):1743-1747
Nov 1968 44.8 J822

Acids, Aflatoxin, Aspergillus flavus, Aspergillus parasiticus, Casein, Hydrogen-ion concentration, Skim milk, Toxicology.

20877-68

RESIDUES AND SOME EFFECTS OF CHLORINATED HYDROCARBON INSECTICIDES IN BIOLOGICAL MATERIAL. (ABSTRACT).
E H Marth
Pesticide Progr 5(3):74
May 1967 79.8 P434

Animals, Biological transport, Chlorinated hydrocarbons, Fish, Humans, Insecticide residues, Insecticides, Plants, Soils, Toxicology, Wildlife. Abstract from Residue Reviews 9:1-89. 1965.

20878-68

THE CARCINOGENICITY OF INSECTICIDE-SPRAYED TOBACCO IN MICE. (ABSTRACT).
D N Noakes
Pesticide Progr 5(3):76
May 1967 79.8 P434

Carcinogens, Dimethoate, Insecticide application, Insecticide residues, Mice, Neoplasms, Skin, Spraying, Tobacco, Toxicology. Abstract by author taken from Fd. Cosmet. Toxicol. 3 (2): 305-310. 1965.

20879-68

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A M Revzin
Pesticide Progr 5(5):165
Sep 1967 79.8 P434

Brain, Chlorinated hydrocarbons, Endrin, Pigeons, Toxicity, Vision.
Abstract

20880-68

MORPHOLOGICAL CONVERSION OF CELLS IN VITRO BY N-NITROSOMETHYLUREA.
F K Sanders B O Burford
Nature 213(5082):1171-1173 REF
25 Mar 1967 472 N21

Animal morphology, Carcinogens, Culture media, Enzymes, Hamsters, Infectious diseases, Lungs, Methyl-1-nitrosourea, 1-. Article suggests that N-nitrosomethylurea may become an active carcinogen after having been activated by an enzyme, possibly present in mammalian liver and Drosophila.

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DRUG EFFECTS ON DIELDRIN STORAGE IN RAT TISSUE.
 J C Street M Wong A D Blau
Pesticide Progr 5(5):165
 Sep 1967 79.8 P434
 Dieldrin, Drugs, Insecticide residues, Rats.
- 20882-68**
POISONING WITH ORGANOPHOSPHORUS INSECTICIDES. (ABSTRACT).
 J R Taylor W Kalou E A Sellers
Pesticide Progr 5(3):80
 May 1967 79.8 P434
 Humans, Insecticides, Organophosphorus compounds, Toxicology. This was the author's abstract from the Canada. Med. Ass. jour. 93: 966-970, 1965.
- 20883-68**
VALUE OF ED50 TESTING IN ASSESSING HAZARDS OF ACUTE POISONING BY CARBAMATES AND ORGANOPHOSPHATES. (ABSTRACT).
 M Vandekar E Reiner B Svetlicic T Fajdetic
Pesticide Progr 5(3):81
 May 1967 79.8 P434
 Carbamates, Cholinesterases, Dosage, Humans, Kinetics, Lethal factor, Organophosphorus compounds, Toxicology. This was the author's abstract taken from British Jour. indust. Medicine 22 (4): 317-320, 1965.
- 20884-68**
EVALUATION OF LIVER FUNCTION TESTS AND LIVER BIOPSY IN EXPERIMENTAL CARBON TETRACHLORIDE INTOXICATION AND EXTRAHEPATIC BILE DUCT OBSTRUCTION IN THE DOG.
 J F V Vleet J O Alberts
Amer J Vet Res 29(11):2119-2131 REF
 Nov 1968 41.8 AM3A
 Animal physiology, Bile ducts, Biochemistry, Carbon tetrachloride, Dogs, Liver, Poisoning, Research, Tissues.
- 20885-68**
FOOD ADDITIVES AND CHEMICAL CARCINOGENS: ON THE CONCEPT OF ZERO TOLERANCE.
 J H Weisburger E K Weisburger
Food Cosmet Toxicol 6(2):235-242 REF
 Aug 1968 391.8 F73
 Carcinogens, Chemicals, Drugs, Food additives, Health, Nutrition, Research.
- 20886-68**
SITE OF ACTION OF AFLATOXIN ON HUMAN LIVER CELLS IN CULTURE.
 A J Zuckerman K R Rees D Inman V Petts
Nature 214(5090):814-815
 20 May 1967 472 N21
 Aflatoxin, *Aspergillus flavus*, Autoradiography, Cells, Culture media, Humans, Liver, Metabolism, Tissue culture.
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INFLUENCE OF GIBBERELLIN AND RIBOFLAVIN ON CERTAIN ASPECTS OF ENERGY METABOLISM IN PLANTS. (RUS)
 V I Artamonov
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 Jul 1967 450 F580AE
 Corn, Gibberellins, Plant metabolism, Riboflavin.
- 20888-68**
THE INFLUENCE OF GROWTH REGULATORS ON PROTEIN AND ENZYME SPECTRA OF EXPLANTS FROM ROOTS OF CICHORIUM INTYBUS CULTURED IN VITRO.
 J Besemer
Planta 82(3):211-222 REF
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 Chicory, Compositae, Enzymes, Gibberellic acid, Indoleacetic acid, Kinetin, Plant metabolism, Plant regulators, Proteins, Roots. English abstract
- 20889-68**
UPTAKE AND TRANSPORT OF SYSTEMIC FUNGICIDES AND BACTERICIDES.
 P W Brian
Agrochimica 11(3):203-228 REF
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 Absorption, Antibiotics, Bactericides, Biochemistry, Fungicides, Griseofulvin, Ions, Minerals, Plant translocation, Roots, Streptomycin, Streptothricin, Water. French summary
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RESEARCH AND DETERMINATION OF DELL'O,O-DIMETIL-S-(4,6-DIAMMINO-S-TRIAZINIL)-DITIOFOSFATO (MENAZON) NELL'OLIO DI OLIVA. (IT)
 I Camoni C D'Antonio N Gandolfo V Leoni G C Ramelli
Agrochimica 11(3):229-236
 Apr 1968 385 AG84
 Chromatography, Extracts, Insecticide residues, Insecticides, Menazon, Metabolites, Methodology, Research. English summary
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GIBBERELIC ACID-PROMOTED LIGNIFICATION AND PHENYLALANINE AMMONIOLYASE ACTIVITY IN A DWARF PEA (PISUM SATIVUM).
 C K C Cheng H V Marsh
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 Gibberellic acid, Lignification, Peas, Plant biochemistry, Plant physiology. English abstract
- 20892-68**
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 J Cripps K T Whitely
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 Biochemistry, Crop yields, Dinitrobutylphenol, Methodology, Peaches, Plums, Thinning (fruit), Thinning sprays.
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Plant Physiol 43(12):2029-2036 REF
 Dec 1968 450 P692
 Ethylene, Gibberellins, Kinetin, Plant hormones, Plant physiology, Seedlings.
- 20894-68**
ISOLATION OF THE METHYL ESTER OF CHLORO-3-INDOLYLACETIC ACID FROM THE IMMATURE SEEDS OF THE PEA, PISUM SATIVUM L. (FR)
 J C Gandar C Nitsch
Acad Sci Compt Rend Ser D Sci Nat 265(23):1795-1798
 06 Dec 1967 505 P21
 Acetic acid compounds, Esters, Peas, Plant biochemistry, Plant hormones, Plant physiology.
- 20895-68**
CONTROL OF SENEESCENCE IN RUMEX LEAF DISCS BY GIBBERELIC ACID.
 J J Goldthwaite W M Laetsch
Plant Physiol 43(11):1855-1858 REF
 Nov 1968 450 P692
 Gibberellic acid, Plant physiology, Plant senescence, Rumex. English abstract
- 20896-68**
THE INHIBITION OF PHOTOREACTIONS OF CHLOROPLASTS BY IOXYNIL.
 Z Gromet-Elhanan
Biochem Biophys Res Commun 30(1):28-31 REF
 11 Jan 1968 442.8 B5236
 Biochemistry, Chloroplasts, Ioxynil, Lettuce, Photosynthesis, Plant physiology, Research.
- 20897-68**
FATTY ACID COMPOSITION OF EXTRACT FROM PYRETHRUM FLOWERS (CHRYSANTHEMUM CINERARIAEFOLIUM).
 S W Head
J Agr Food Chem 16(5):762-765 REF
 Sep 1968 381 J8223
 Acids, Biochemistry, Chloroform, Chromatography, Chrysanthemum cinerariaefolium, Fatty acids, Insecticides, Plant extracts, Plant translocation, Research.
- 20898-68**
FATTY ACIDS IN LOUISIANA RICE FIELDS.
 J P Hollis R Rodriguez-Kabana
Phytopathology 57(8):841-847 REF
 Aug 1967 464.8 P56
 Acetic acid, Butyric acid, Fatty acids, Plant physiology, Propionic acid, Rice, Soil bacteria, Soil moisture, Soils.
 Abstract: Fatty acids occurred in statistically significant fixed ratios in order of concentration acetic greater than propionic greater than n-butyric in both soil and flood water, indicating a soil origin for the acids in flood water. Comparisons with relevant bioassay data indicated that any effects of total acids on root growth of rice and nutrient uptake will depend primarily on the concentration of acetic acid. There is no experimental proof that fatty acids cause a toxicant disease in rice.
- 20899-68**
ANALYSIS OF THE EFFECT OF CHLORAMPHENICOL ON CORN-ROOT GROWTH.
 V B Ivanov N V Obrucheva T K Litinskaya
Fiziol Rast 14(5, SEP-OCT):661-669
 Oct 1967 450 F58
 Chloramphenicol, Corn, Plant physiology. Russian journal-vol. 14(5):785-795, Sep.-Oct. 1967
- 20900-68**
EFFECT OF CHLORAMPHENICOL ON PROTEIN SYNTHESIS IN LEAF DISCS.
 O N Kulaeva N L Klyachko
Fiziol Rast 14(5, SEP-OCT):778-784 REF
 Oct 1967 450 F58
 Chloramphenicol, Plant metabolism, Plant physiology, Protein synthesis, Tobacco. Russian journal-vol. 14(5):926-929, Sep.-Oct. 1967
- 20901-68**
SENSITIVITY OF RHIZOPUS STOLONIFER TO CHILLING.
 T T Matsumoto N F Sommer
Phytopathology 57(8):81-884
 Aug 1967 464.8 P56
 Cold, Fungus diseases (plants), Rhizopus, Rhizopus stolonifer, Spore germination, R. arrhizus and R. oryzae sporangiospores appeared equally sensitive to chilling.
 Abstract: Sporangiospores were inactivated by temperatures of 2.5C or below, providing germination had started. The length of the cold exposure period required to inactivate the spores decreased at lower temperatures.
- 20902-68**
INFLUENCE OF CARBON SOURCE AND PH ON THE ACCUMULATION OF OXALIC ACID IN CULTURE FILTRATES OF SCLEROTIUM ROLFSSII. (ABSTRACT).
 D P Maxwell D F Bateman
Phytopathology 57(8):821
 Aug 1967 464.8 P56
 Carbon, Culture media, Fungus diseases (plants), Hydrogen-ion concentration, Oxalic acid, Plant biochemistry, Plant physiology, Sclerotium rolfsii.
- 20903-68**
ALFALFA MOSAIC VIRUS: COMPARATIVE INVESTIGATION OF TOP COMPONENT A AND BOTTOM COMPONENT BY MEANS OF FINGERPRINTING AND IMMUNOLOGICAL TECHNIQUES.
 J R Moed H Veldstra
Virology 36(3):459-466 REF

20904-68

Nov 1968 448.8 V81

Antigens, Centrifugation, Electrophoresis, Immunization, Mosaic (alfalfa), Research.

20904-68

STUDIES ON THE FIXATION AND DEVELOPMENT OF CELLULAR TRANSFORMATION BY ROUS SARCOMA VIRUS.

Y Nakata J P Bader

Virology 36(3):401-410 REF

Nov 1968 448.8 V81

Cell division, Cells, Deoxyribonucleic acid, Irradiation, Research, Rous sarcoma, Thymidine.

20905-68

CONTENT OF NATURAL GIBBERELLINS IN VARIOUS ORGANS OF PLANTS IN CONNECTION WITH THEIR AGE.

V N Oozhnikova

Fiziol Rast 14(2, MAR-APR):312-313

Apr 1967 450 F58

Gibberellins, Plant physiology, Plant regulators, Plant senescence, Tobacco, Russian journal- vol. 14(2):366-367, Mar.-Apr. 1967

20906-68

EVALUATION OF VARIOUS MEDIA AND ANTIMICROBIAL AGENTS FOR ISOLATION OF FUSARIUM FROM SOIL.

G C Papavizas

Phytopathology 57(8):848-852 REF

Aug 1967 464.8 P56

Antibiotics, Culture media, Fungicides, Fusarium, Soil fungi, Soils.

Abstract: Of 18 media recommended for isolation and enumeration of Fusarium spp. from soil, peptone-pentachloronitrobenzene (PCNB) and V-8 juice-dextrose-yeast extract agar (VDYA) were the most valuable with the soil dilution plate method. A modified peptone-PCNB medium is recommended for effective isolation and enumeration of Fusarium colonies.

20907-68

EFFECT OF LIGHT OF VARIOUS SPECTRAL COMPOSITIONS ON SOME ASPECTS OF AUXIN METABOLISM IN CULTURES OF ISOLATED CARROT TISSUE. (RUS)

V S Polevaya

Soviet Plant Physiol 14(4):496-503 REF

Jul 1967 450 F580AE

Carrots, Indoleacetic acid, Light, Plant metabolism, Plant regulators.

20908-68

ISOLATION OF AN ADENOSINE-PEPTIDE NUCLEOTIDE FROM CHLAMYDOSPORES OF TILLETIA FOETIDA. (ABSTRACT).

P S Rao E D Hansing P Nordin

Phytopathology 57(8):827

Aug 1967 464.8 P56

Fungus diseases (plants), Nucleotides, Plant biochemistry, Stinking smut (wheat), Tilletia foetida, Wheat.

20909-68

APPLICATION OF ENZYME ACTIVITY TO THE MEASUREMENT OF FUNGAL GROWTH IN SOIL. (ABSTRACT).

R Rodriguez-Kabana E A Curl

Phytopathology 57(8):827

Aug 1967 464.8 P56

Enzymes, Plant physiology, Sclerotium rolfsii, Soils.

20910-68

GIBBERELLIN-LIKE SUBSTANCES FROM VEGETATIVE TISSUE OF A CONIFER, ARIZONA CYPRESS.

M Ruddat R P Pharis H Aoki A Crozier

Plant Physiol 43(12):2049-2053

Dec 1968 450 P692

Cupressus arizonica, Gibberellins, Plant biochemistry. English abstract

20911-68

ATRAZINE METABOLISM IN RESISTANT CORN AND SORGHUM.

R H Shimabukuro

Plant Physiol 43(12):1925-1930 REF

Dec 1968 450 P692

Atrazine, Corn, Metabolism, Plant biochemistry, Sorghum. English abstract

20912-68

EFFECTS OF MANGANESE AND IRON APPLICATION ON THEIR SOLUBILITY, ABSORPTION AND GROWTH OF OAT PLANTS.

M Singh A N Pathak

Agrochimica 12(4):382-388 REF

Jun 1968 385 AG84

Absorption, Biochemistry, Dosage, Hydrogen-ion concentration, Iron sulfates, Manganese, Oats, Oxidation-reduction potential, Plant physiology, Plant translocation, Research, Sodje soils, Spraying, French, German, Italian, and Spanish summaries.

20913-68

A SIMPLE METHOD FOR COMBUSTING TISSUES FOR CHLORINE-C136 ANALYSIS. (ABSTRACTED FROM ANALYT. BIOCHEM. 17(1):24-37, 1966).

G N Smith

Pesticide Progr 5(5):165

Sep 1967 79.8 P434

Chlorine, Flammability, Isotopes, Nitric acid, Pesticide analysis, Sulfuric acid.

20914-68

THE INABILITY OF GIBBERELLIC ACID TO STIMULATE AMYLASE ACTIVITY IN PEA COTYLEDONS.

J I Sprent

Planta 82(3):299-301

04 Sep 1968 450 P693

Amylases, Gibberellin acid, Leguminosae, Peas, Plant growth inhibitors, Plant metabolism, Plant regulators. English abstract

20915-68

EFFECTS OF CYCOCEL AND B-NINE ON COLD HARDINESS OF WHEAT PLANTS.

F R Toman H L Mitchell

J Agr Food Chem 16(5):771-772

Sep 1968 381 J8223

Biochemistry, Cycocel, Dimethylaminosuccinamic acid, N-, Measurement, Plant growth inhibitors, Plant physiology, Proteins, Tissues, Wheat.

20916-68

IDENTIFICATION OF PHYTOXINS OBTAINED FROM PLANT RESIDUES DECOMPOSING IN SOIL. (ABSTRACT).

T A Toussoun A R Weinhold R G Linderman Z A Patrick

Phytopathology 57(8):834

Aug 1967 464.8 P56

Barley, Benzoic acid, Cotton, Cowpeas, Decomposition, Hydrocinamic acid, Phenylacetic acid, Phenylbutyric acid, Plant biochemistry, Plant extracts, Plant residues, Roots, Seed germination, Soils, Soybeans, Tobacco, Toxins.

20917-68

THE EFFECT OF TEMPERATURE AND LIGHT ON SPORULATION OF HELMINTHOSPORIUM DICTYOIDES ON ARTIFICIAL MEDIA. (ABSTRACT).

J M Vargas R D Wileoxson

Phytopathology 57(8):834

Aug 1967 464.8 P56

Culture media, Fungus diseases (plants), Helminthosporium dictyoides, Leaf spot (Poa pratensis), Light, Poa pratensis, Root rot (turf), Spore germination, Temperature.

20918-68

GROWTH AND ANTHOLYANIN SYNTHESIS IN EXCISED SORGHUM INTERNODES. I. EFFECTS OF GROWTH REGULATING SUBSTANCES.

D Vince

Planta 82(3):261-279 REF

04 Sep 1968 450 P693

Anthocyanins, Chloroethyltrimethylammonium chloride, (2-, D, 2,4-, Gibberellin acid, Indoleacetic acid, Light, Plant growth inhibitors, Plant physiology,

Plant regulators, Sorghum, Synthesis. English abstract

20919-68

GIBBERELLIC ACID AND THE LIGHT INHIBITION OF STEM ELONGATION.

D Vince

Planta 75(4):291-308 REF

03 Jun 1967 450 P693

Gibberellin acid, Light, Peas, Plant growth inhibitors, Plant regulators. English abstract

20920-68

THE MOVEMENT OF PLASMIDIOPHORA BRASSICAE IN SOIL. (ABSTRACT).

A G Watson

Phytopathology 57(8):835

Aug 1967 464.8 P56

Fungus diseases (plants), Plasmidiophora brassicae, Root hairs, Soil fungi, Soils. From decayed clubbed roots.

20921-68

ULTRAVIOLET REPAIR CAPABILITIES OF AGROBACTERIUM TUMEFACIENS.

D M Yajko D R Tershak

Can J Microbiol 14(9):927-931

Sep 1968 448.8 C162

Agrobacterium tumefaciens, Dna viruses, Enzymes, Escherichia coli, Research, Ultraviolet rays, Virus diseases (plants).

CHEMISTRY

20922-68

THE EXAMINATION OF TOXAPHENE BY GAS CHROMATOGRAPHY. (ABSTRACTED FROM BULL. ENVIRON. CONTAM. TOXICOL. 1(1):21-28, 1966.

A Bevenue H Beckman

Pesticide Progr 5(5):159

Sep 1967 79.8 P434

Chromatography, Insecticide residues, Pesticide analysis, Toxaphene.

Abstract

20923-68

COMPARATIVE EFFECTS OF TRETAMINE, TEPA, APHOLATE, AND THEIR STRUCTURAL ANALOGS ON HUMAN CHROMOSOMES IN VITRO.

T S Chang W Klassen

Chromosoma 23(3):314-323 REF

1968 442.8 C46

Apholate, Biochemistry, Chromosomes, Culture media, Ethylenimine, Human diseases, Leukocytes, Tapa, Tretamine.

20924-68

STRUCTURE AND ACTIVITY IN MOLLUSCICIDES.

J P De Villiers M M Rossouw

Nature 213(5082):1208

25 Mar 1967 472 N21

Agricultural research, Molluscicides, Toxicology.

20925-68

STRUCTURE-ACTIVITY CORRELATION OF 1,2,4-TRIAZONES, A NEW GROUP OF PHOTOSYNTHESIS INHIBITORS. (GE)

W Draber K Diekore K H Buechel A Trebst E Pistorius

Naturwissenschaften 55(9):446

Sep 1968 474 N213

Amitrole, Chemical structure, Herbicides, Photosynthesis.

20926-68

RECOMMENDED ANALYTICAL METHODS FOR PESTICIDES. 37. METHODS OF ANALYSIS FOR METAM-SODIUM.*Fao Plant Protect Bull* 14(6):145

Dec 1966 421 P692

Assay, Chemistry, Pesticides, Sodium N-methyl-dithiocarbamate.

- 20927-68**
HERBICIDAL COMPOSITION AND METHOD.
PATENT 3,393,991.
 P C Hamm
Us Patent Office Offic Gaz 852(4):938
 23 Jul 1968 156.65 OF2
 Chloro-N-isopropylacetanilide, 2-, Herbicides,
 Patents, Triazines.
- 20928-68**
THE COMPATIBILITY OF ARTHROPOD
REPELLENTS WITH CERTAIN FUNCTIONAL
FINISHES OF COTTON UNIFORM FABRIC.
 H Markarian J J Pratt J G DeMarco H K Gouck
J Econ Entomol 61(2):464-467
 Apr 1968 421 J822
 Armed forces, Arthropoda, Chemical warfare, Insect repellents, Textiles, Waterproofing, Army cotton cloth treated with water repellents, detoxicants for chemical warfare agents, and a fire retardant.
 Abstract
- 20929-68**
ATRAZINE AND THE NITRATE CONTENT OF
CORN.
 F Meggitt
Agron J 60(6):655-657 REF
 Nov 1968 4 AM34P
 Atrazine, Corn, Herbicide residues, Plant metabolism. English abstract
- 20930-68**
A NEW ANTIFUNGAL SUBSTANCE
PRODUCED BY MYROTHECIUM.
 M Okuchi M Itoh Y Kaneko S Doi
Agr Biol Chem 32(3):394-395
 Mar 1968 385 AG8B
 Chemistry, Fermentation, Fungicides, Immunity, Molds, Myrothecium, Soil fungi.
- 20931-68**
THE GAS CHROMATOGRAPHIC DETER-
MINATION OF ORGANOPHOSPHORUS PESTI-
CIDES. II. A COMPARATIVE STUDY OF
HYDROLYSIS RATES.
 J H Ruzicka J Thomson B B Wheals
J Chromatography 31(1):37-47 REF
 Nov 1967 475 J824
 Chromatography, Hydrolysis, Organophosphorus compounds, Pesticides.
 Abstract
- 20932-68**
DETECTION OF CHOLINESTERASE-INHIBIT-
ING PESTICIDES FOLLOWING SEPARATION
ON THIN LAYER CHROMATOGRAMS.
 W Winterlin G Walker H Frank
J Agr Food Chem 16(5):808-812 REF
 Sep 1968 381 J8223
 Chromatography, Hydrolysis, Metabolites, Methodology, Organic compounds, Pesticides, Phosphorus, Research.
- 20933-68**
PRELIMINARY TRIALS WITH UCAR MIST
NOZZLE.
 H H C Coutts
Arusha Trop Pesticides Res Inst Misc Rep 608:3 P.
 Mar 1967 423.92 G7922
 Aerial spraying, Nozzles, Particle size determination, Research, Spraying equipment.
- 20934-68**
AN EXPERIMENTAL REACTION-DRIVEN RO-
TARY SPRAYER FOR HELICOPTER OPERA-
TION. (ABSTRACTED FROM TROPICAL
PRODUCTS RESEARCH UNIT/PORTON DOWN
REPORT NO.305).
 D R Johnstone R F Hill
Pesticide Progr 5(5):163
 Sep 1967 79.8 P434
 Aerial spraying, Helicopters
- 20935-68**
COOPERATIVE ACTION PROGRAM IN
MERCER COUNTY, NEW JERSEY.
 J A Blyman
N J Mosquito Exterm Ass Proc 54:76-80
 Mar 1967 420 N46
 Culicidae, Insect control, Research, Water pollution.
- 20936-68**
A MULTIPURPOSE MOSQUITO CONTROL
PROJECT- FISHING CREEK.
 D M Jobbins
N J Mosquito Exterm Ass Proc 54:120-124
 Mar 1967 420 N46
- Aedes, Agricultural outlook, Culex, Culicidae, Insect control, Marshes, Research, Weather.
- 20937-68**
THE VOLUME MYTH IN FORMULATED
PESTICIDE SALES.
 R G Van Buskirk
Farm Chem 130(11):66,68,70,7,74
 Nov 1967 57.8 AM3
 Formulations, Marketing, Pesticides.
- EDUCATION**
- 20938-68**
PESTICIDE SAFETY HANDBOOK; A GUIDE
FOR USERS AND AGRICULTURALISTS.
SB56.0C3.
 64 P. REF MONTREAL, CANADIAN AGRICULTURAL CHEMICALS AS
 0000
 Accident prevention, Equipment, Handbooks, Pesticide application, Pesticides, Poisoning.
- REGULATIONS**
- 20939-68**
PESTICIDE REGULATIONS.
 W Lamade
Agr Chem 23(10):34-35
 Oct 1968 381 AG8
 Accident prevention, Agricultural regulation, Biochemistry, Chemical control (pests), Legislation, Pesticide application, Pesticides.
- 20940-68**
THE PESTICIDES PROGRAM ACTIVITIES OF
THE PUBLIC HEALTH SERVICE.
 S W Simmons
Public Health Rep 83(11):967-973
 Nov 1968 151.65 P96
 Laboratories, Pesticides, Public health administration, Research, Toxicology.
- 20941-68**
REGULATIONS BY THE MILE.
 J E Vawter
Northeast Weed Contr Conf Proc 22:149-153
 03 Jan 1968 79.9 N814
 Agricultural regulation, Herbicides, Pesticide application, Railroads, Spraying equipment.

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